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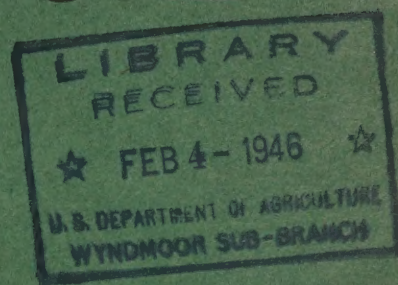
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Agricultural Information Series

- 1 GRADING soft red winter wheat at country points. U. S. D. A. AIS-33. Folder. 1945. 1 Ag84A1

Circulars

- 2 ASHBY, W., and others. Functional requirements in designing laying houses for poultry. U. S. D. A. C. 738, 16 p. 1945. 1 Ag84C  
T. A. H. Miller, G. L. Edick, and A. R. Lee, joint authors.
- 3 WRIGHT, J. W., GERDES, F. L., and BENNETT, C. A. The packaging of American cotton and methods for improvement. U. S. D. A. C. 736, 62 p. 1945. 1 Ag84C

Farmers' Bulletins

- 4 HAMILTON, J. G., and others. Irrigated pastures for forage production and soil conservation. U. S. D. A. Farmers' B. 1973, 30 p. 1945. 1 Ag84F  
G. F. Brown, H. E. Tower, and W. Collins, Jr., joint authors.
- 5 POTTS, C. G., and SIMMONS, V. L. Milk goats. U. S. D. A. Farmers' B. 920, slightly rev., 35 p. 1945. 1 Ag84F

Includes present status of the industry, goats' milk, goat dairies, breeds and types of goats, methods of breeding, feed and management, prices.

Interbureau Coordinating Committee on Postwar Programs

- 6 FORESTED lands; an analysis of objectives and programs. U. S. Interbur. Coordinating Com. on Postwar Programs. Southwest Intermountain Region. Planning Aid Pam. 1, 8 p., processed. Albuquerque, 1945. 1.90 C2In8Ppl

- 7 RANGE lands; an analysis of objectives and programs. U. S. Interbur. Coordinating Com. on Postwar Programs. Southwest Intermountain Region. Planning Aid Pam. 2, 11 p., processed. Albuquerque, 1945. 1.90 C2In8Ppl

Miscellaneous Publications

- 8 ARCHER, W. A. Collecting data and specimens for study of economic plants. U. S. D. A. Misc. P. 568, 52 p. 1945. 1 Ag84M
- 9 PRICE spreads between farmers and consumers for food products, 1913-44. U. S. D. A. Misc. P. 576, 290 p. 1945. 1 Ag84M
- 10 WHAT peace can mean to American farmers; expansion of foreign trade. U. S. D. A. Misc. P. 582, 21 p. 1945. 1 Ag84M

Radio Broadcasts (Processed)

- 11 BERGER, W. Corn and feed prospects. 2 p. Oct. 13, 1945. (Natl. Farm and Home Hour) 1.9423 F3B45
- 12 FITZWATER, J. A., and TONKIN, J. Farm forestry. 2 p. Oct. 20, 1945. (Natl. Farm and Home Hour) 1.962 A2F58
- 13 MARSDEN, S. J. What's new in turkeys. 2 p. Recorded Oct. 25, 1945. (Farm Sci. Serves the Nation No. 25) 1.914 R2F222
- 14 PITT, E. S., and GAPEN, K. Keep the home fires burning. 3 p. Oct. 13, 1945. (Your Home and Garden Program) 1.914 R2P68  
Household fire prevention.
- 15 TONKIN, J., and FISHER, D. F. This trip was necessary. 3 p. Recorded Nov. 8, 1945. (Farm Sci. Serves the Nation No. 26) 1.914 R2F222  
Handling and shipping fresh fruits and vegetables.
- 16 WRIGHT, J. C., and KADDERLY, W. L. Crop insurance. 3 p. Jan. 13, 1945. (Natl. Farm and Home Hour) 1.952 W93

Technical Bulletins

- 17 ATKINS, I. M., and DAHMS, R. G. Reaction of small-grain varieties to green bug (Toxoptera graminum) attack. U. S. D. A. Tech. B. 901, 30 p. 1945. 1 Ag84Te
- 18 BLACK, W. H., and SOUTHWELL, B. L. Fattening good and common grade steers in Southeastern Coastal Plains. U. S. D. A. Tech. B. 904, 13 p. 1945. 1 Ag84Te
- 19 DUCOFF, L. J. Wages of agricultural labor in the United States. U. S. D. A. Tech. B. 895, 127 p. 1945. 1 Ag84Te
- 20 PENTZER, W. T., ASBURY, C. E., and BARGER, W. R. Precooling California grapes and their refrigeration in transit. U. S. D. A. Tech. B. 899, 64 p. 1945. 1 Ag84Te

Unnumbered Publications

- 21 GEORGE MARDIKIAN'S favorite recipes. 3 p., processed. 1945? 1.9424 A2G29  
Unusual dishes by an Armenian-born chef.
- 22 NORTHEAST agricultural atlas - supplement I. 48 p., processed. Upper Darby, Pa., Northeast Postwar Planning Com., 1945. 1.90 C2In8Pna  
Deals primarily with numbers of farms and population by counties.



23 REPORT of Department committee in charge of preparation for Third Inter-American Conference on Agriculture. Bibliographical materials assembled in duplicate and shipped to Caracas, Venezuela. Appendix A. 124 p., processed. 1945. 1.90 C2In89  
Bibliographies on agriculture and agricultural commodities.

#### AGRICULTURAL ADJUSTMENT AGENCY

24 1944 annual report; agricultural conservation and related programs. 2 Nos., processed. 1945. 1.42 W52An  
California, 69 p.; Utah, 72 p.  
Contain statistical data on AAA programs, including agricultural conservation, crop parity payment, acreage and production goals, commodity loan, crop insurance, sugar beet.

#### AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

25 LYONS, W. J., NELSON, M. L., and CONRAD, C. M. Study of the "H" test for evaluating the adhesive properties of tire cord in natural and GR-S rubbers. U. S. Bur. Agr. and Indus. Chem. South. Region. Res. Lab. AIC-99, 56 p., processed. New Orleans, 1945. 1.932 A2Ag82

#### AGRICULTURAL ECONOMICS, BUREAU OF

26 ADKINSON, L. B. Community use of pastures on hill lands; the Hector Land Use Adjustment Project in southern New York. 36 p., processed. Upper Darby, Pa., 1945. 1.941 L3C73

U. S. Soil Conservation Service and New York (Cornell) Agricultural Experiment Station cooperating.

27 CATTLE feeding situation - November 1, 1945. 2 p., processed. 1945. 1.9 Ec742Cat

28 COOK, H. L., and HOECKER, R. W. Retail distribution and consumer acceptance of dry milks in Houston, Texas. 44 p., processed. 1945. 1.941 M1R31

29 DUCOFF, L. J., and HAGOOD, M. J. Wages and wage rates of hired farm workers, United States and major regions, March 1945. 56 p., processed. 1945. (Survey of Wages and Wage Rates in Agr., Rpt. No. 4) 1.941 R2Su7

30 DUCOFF, L. J., and HAGOOD, M. J. Wages and wage rates of seasonal farm workers in special crop areas of Florida, Feb.-Mar., 1945. 14 p., processed. 1945. (Surveys of Wages and Wage Rates in Agr., Rpt. 1) 1.941 R3Su7

Citrus fruit and strawberry pickers.

31 DUCOFF, L. J., and BOWLES, G. K. Wages and wage rates of seasonal farm workers in special crop areas of Louisiana, April-May, 1945. 15 p., processed. 1945. (Surveys of Wages and Wage Rates in Agr., Rpt. 3) 1.941 R3Su7

Harvesting strawberries and snap beans.

32 FELLOWS, I. F., and ADKINSON, L. B. Farm production; past, present, possible, in the Sheldon, Glover, and Cavendish areas of Vermont. 38 p., processed. Upper Darby, Pa., 1944. 1.941 L6F227

33 FORD, E. C. Developments in the farm real estate market in the Northeast, 1941-1943. 15 p., processed. Upper Darby, 1944. 1.941 L2D49

34 FRAME, N. T. Rushmore, (Nobles County, Minn.) village centered community in the Cornbelt in wartime. 25 p., processed. Milwaukee, 1945? 1.941 R5R89

35 HORTON, D. C., and SHEPARD, E. F. Federal aid to agriculture since World War I. 11 p., processed. 1945. 1.941 F4F313

Reprinted from Agr. Hist. 19:114-120. Apr. 1945. 30.98 Ag8

36 INCOME parity for agriculture. Part VI. State estimates of income and production expenses. Section 1. Net income and production expenses of farm operators by States, calendar years 1929, 1939-44. 85 p., processed. 1945. 1.9 Ec7Inp  
Preliminary estimates.

37 LAMB feeding situation - November 1, 1945. 1 p., processed. 1945. 1.9 Ec742Lam

38 MIDDAGH, W. S. Looking ahead at Northeast agriculture. 6 p., processed. 1944. 1.941 A2M58

Address, North Atlantic Regional Conference of Directors, Supervisors, Teacher Trainers of Agricultural Education, New York, Apr. 12, 1944.

39 MILK production. 7 p., processed. 1945. 1.941 S8W56

Includes condition of dairy pastures.

40 MONTHLY sales of principal field crops, 1944 crop, by leading marketing States & for the United States with comparisons. 13 p., processed. 1945. 1.942 G3M76

41 NIEDERFRANK, E. J. Understanding how the wheels go around in New England rural communities. 7 p., processed. 1944? 1.941 R7Un2

Condensation of statements made in an address at the Hampshire Regional Conference of Social Agencies Northampton, Mass., June 1944, and in other Extension meetings.

42 THE 1945 lamb crop report. 1 p., processed. 1945. 1.9 Ec742La

43 1946 agricultural outlook charts. 111 p., processed. 1945. 1.9 Ec7AgrCh

Includes information on prices, income, wages, marketing, agricultural finance, farm real estate, the major crop and livestock industries, and the food situation.

44 PARSONS, M. S., and MACKINNON, K. Statistical report on interstate movement of dairy cattle, 10 northeast States, 1944. 7 p., processed. Upper Darby, Pa., 1945. 1.941 M1St2

45 POULTRY and egg production. 3 p., processed. 1945. 1.942 D8P86

Crop report as of Nov. 1, 1945.

46 REAGAN, B. B., and METZLER, W. H. Wages and wage rates of seasonal farm workers in Maricopa County, Arizona and Imperial County, California, February-March 1945. 21 p., processed. 1945. (Surveys of Wages and Wage Rates in Agr., Rpt. 2) 1.941 R3Su7

Lettuce, fruit, and vegetable harvesters.

47 RICE statistics, by counties, 1942-44. 6 p., processed. 1945. 1.941 H8R36

Acreage, yield, and production. Preliminary data for 1944.

48 SCHADEGG, F. J. Farm adjustments for maximum wartime production in Worcester County, Massachusetts. 35 p., processed. Upper Darby, Pa., 1944. 1.941 A5F227

49 TROPICAL storm damage to fruits and vegetables in Florida and the Carolinas; on October 19-21, 1944. 2 p., processed. 1944. 1.941 A2T75

50 WALLRAESENSTEIN, P. P. Wage ceiling regulations applied to agricultural labor. 20 p., processed. 1945. 1.941 R3W122

Summaries of all specific wage ceilings - grains and hay, fruits and nuts, truck crops, cotton, dairy work, general farm labor, hops, orchard labor, pruning fruit and nut trees, sugar beets - issued up to Sept. 1, 1945.

51 WARTIME land market trends in the Northern Great Plains, 1941-44. 11 p., processed. Lincoln, 1945. 1.941 L3W192

#### AGRICULTURAL RESEARCH ADMINISTRATION

52 CARDON, P. V. Statement [at] hearings on science legislation, S. 1297 and related bills... October 11, 1945. 13 p., processed. 1945. 1.91 A2An2

Includes a review of research in U. S. D. A.



53 RESEARCH projects of the State agricultural experiment stations having relationship to industrial utilization of agricultural products and by-products. 29 p., processed. 1945. 1.98 B31R

#### ANIMAL INDUSTRY, BUREAU OF

- 54 FEEDING soft corn. 4 p., processed. 1945. (A. H. D. No. 76) 1.9 An52Ah  
 55 MILLER, A. W. Report on infectious equine encephalomyelitis in the United States in 1944. 4 p., processed. 1945. 1.9 An5Rep  
 56 STATISTICAL tables showing progress of the eradication of tuberculosis in livestock and brucellosis in cattle in the United States, November 1, 1945. 10 p., processed. 1945. 1.9 An533Stm

#### COMMODITY CREDIT CORPORATION

- 57 1945 Wool Purchase Program; approved handlers and pullers (pulled wool). 1 p., processed. 1945. 1.957 B3W882  
 58 STATEMENT of loans and commodities owned, June 30, 1945. 1 p., processed. 1945. 1.957 St2

#### DAIRY INDUSTRY, BUREAU OF

- 59 KENDRICK, J. F. The DHIA (Dairy-Herd-Improvement Association; supervisor's manual. 37 p., processed. 1945. (BDIM-Inf-26) 1.973 D4B34

#### ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

- 60 EUROPEAN corn borer [*Pyrausta nubilalis*]. U. S. Bur. Ent. and Plant Quar. Picture Sheet 14, 2 p. 1945. 1 En86P  
 Colored plate with explanatory text.  
 61 LIST of commercial airplane dusting companies. 2 p., processed. 1945. 1.967 A6L693  
 62 MEXICAN fruitfly [*Anastrepha ludens*; quarantine. 6 p., processed. 1945. (B. E. P. Q.--Q. 64) 1 F31  
 Revision of quarantine and regulations, effective Nov. 26, 1945.  
 63 MODIFICATION of nursery stock, plant, and seed quarantine regulations. 1 p., processed. 1945. (B. E. P. Q. - Q. 37) 1 F31  
 64 PEST-CONTROL officials of the States, Territories, District of Columbia, Canada, and Mexico. 2 p., processed. 1945. 1.967 D2P43  
 65 PLANT-QUARANTINE import restrictions of the Colony of Dominica, British West Indies. 6 p., processed. 1945. (B. E. P. Q.--399, rev.) 1.9 F73  
 66 PLANT-QUARANTINE import restrictions of the Commonwealth of Australia. 2 p., processed. 1945. (B. E. P. Q. - 476, Sup. 5) 1.9 F73  
 67 ROMNEY, V. E., CASSIDY, T. P., and YORK, G. T. Experiments with DDT against insects attacking guayule. U. S. Bur. Ent. and Plant Quar. E-672, 16 p., processed. 1945. 1.9 En83  
 Illustrations show equipment used.

#### EXTENSION SERVICE

- 68 CONSULTANTS, Publications Workshop, Columbia University, May 21 to June 2, 1945. 2 p., processed. 1945. 1.913 A2C762  
 69 EXTENSION home economists assigned to home management projects. 4 p., processed. 1945. 1.913 H4Ex81  
 70 4-H CLOTHING club work. 15 p., processed. 1945. 1.913 F3F8283  
 Excerpts from 1944 annual reports of State clothing specialists and State 4-H Club leaders with comments by A. Sundquist.  
 71 HOME management "send-for" list. 12 p., processed. 1945. 1.913 H3Se5  
 Housing; house furnishings; household equipment.

72 KENNEDY, G. People -- tomorrow and 4-H Club work. 1 p., processed. 1945. 1.913 F3P39  
 Radio address by a Methodist Minister, Lincoln, Nebr., May 28, 1945, in connection with the Nebraska 4-H Club Week of the Air.

73 PARTICIPANTS, Publications Workshop, Columbia University, May 21 to June 2, 1945. 2 p., processed. 1945. 1.913 A2P252  
 Tentative list.

74 RADIO talks; summary points brought out in a discussion in Puerto Rico, 1944. 2 p., processed. 1945. 1.913 A2R113

Strong points; limitations; suggestions for improvement.

75 7 steps for extra cotton farm profits. 2 p., processed. 1945. 1.913 E2Se8

76 SOME data and comments on the farm credit situation. 7 p., processed. 1945. 1.913 E2So5  
 Presented at Connecticut Farm Credit School, Storrs, Oct. 17, 1945.

Farm mortgage debts.

77 SPOTS for extension letters and publications. 16 p., processed. 1945. 1.913 A2Sp6

78 SUMMARY of the golden nematode situation, September 15, 1945. 6 p., processed. 1945. 1.967 D2Su62

Nematodes on potatoes in Long Island.

79 TRAINING farm workers. U. S. Ext. Serv. Farm Labor C. 30, 17 p., processed. 1945. 1.913 E2Ex84

#### FARM CREDIT ADMINISTRATION

- 80 FARM Credit Administration directory. Rev., 57 p., processed. Kansas City, 1944. (Revision No. 11) 1.956 A2D622  
 81 GESSNER, A. L. Fruit and vegetable freezing costs. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 91, 38 p., processed. Kansas City, 1945. 166.3 M68  
 Preliminary report. Distribution limited.  
 82 HYRE, F. M. Making the most of your coop annual meeting. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 92, 28 p., processed. 1945. 166.3 M68  
 Suggestions to cooperative managers and others who plan and conduct annual meeting programs.  
 83 WANSTALL, G. Statistics of farmers' marketing and purchasing cooperatives, 1943-44. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 83, 31 p., processed. Kansas City, Mo., 1945. 166.3 M68

#### FARM SECURITY ADMINISTRATION

- 84 THE FARM Security Administration health program. 4 p., processed. 1945. 1.95 F2252  
 85 FARM Security Administration services available to veterans. Rev., 2 p., processed. 1945. (FSA P. 134) 1.95 F94  
 Forty-year loans; short-term loans; loans for water facilities in the West.

#### FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

- 86 JOHNSON, A. R. Some international angles on postwar agricultural trade. 6 p., processed. 1945. 1.943 J62  
 Address before the Washington Chapter of the American Marketing Association, Washington, D. C., Oct. 23, 1945.  
 87 WORLD summaries of crop and livestock statistics; schedule of dates for second half of 1945. 2 p., processed. 1945. 1.943 W896  
 88 WORLD trends in output of milk and dairy products; quarterly summary for 1944 and first half of 1945. 8 p., processed. 1945. 1.943 W895  
 89 WORLD wheat and rye crops reduced. 5 p., processed. 1945. 1.943 W897



## FOREST SERVICE

- 90 ANDERSON, I. V. Prospectus of lodgepole pine telephone and power poles in Montana. 8 p., processed. Missoula, Mont., 1945. 1.9621 R1P94
- 91 ANNUAL report, Lake States Forest Experiment Station, Forest Service, U. S. Department of Agriculture, 1944. 13 p., processed. University Farm, St. Paul, 1945? 1.9 F7625I
- 92 BETTS, H. S. American woods. 31 Nos. 1945. 1.9 F76Am
- Alaska yellow cedar [False-cypress, nootka] (*Chamaecyparis nootkatensis*). 3 p. August.
- American holly (*Ilex opaca*). 4 p. August.
- American sycamore (*Platanus occidentalis*). 5 p. September.
- Ash [*Fraxinus*]. 12 p. July.
- Aspen [*Populus*]. 6 p. September.
- Atlantic white-cedar (*Chamaecyparis thyoides*). 4 p. September.
- Baldcypress (*Taxodium*). 6 p. September.
- Balsam fir (*Abies balsamea*). 8 p. August.
- Balsam poplar (*Populus tacamahaca*). 4 p. September.
- Birch [*Betula*]. 7 p. July.
- Black walnut (*Juglans nigra*). 6 p. September.
- Black willow (*Salix nigra*). 8 p. September.
- Buckeye (*Aesculus species*). 5 p. September.
- California incense-cedar (*Libocedrus decurrens*). 4 p. September.
- Eastern red cedar (*Juniperus virginiana*). 4 p. September.
- Eastern white pine (*Pinus strobus*). 8 p. September.
- Elm (*Ulmus*). 10 p. September.
- Engelmann spruce (*Picea engelmannii*). 8 p. September.
- Hackberry (*Celtis*). 6 p. August.
- Northern white-cedar [*Eastern arborvitae*] (*Thuja occidentalis*). 4 p. September.
- Osage-orange (*Maclura pomifera*). 4 p. August.
- Pecan [*Carya illinoensis*]. 9 p. July.
- Ponderosa pine (*Pinus ponderosa*). 8 p. August.
- Port Orford white-cedar (*Chamaecyparis lawsoniana*). 4 p. September.
- Red alder (*Alnus rubra*). 5 p. August.
- Red pine (*Pinus resinosa*). 5 p. August.
- The southern pines. 13 p. July.
- Tamarack [Eastern larch] (*Larix laricina*). 5 p. September.
- Western larch (*Larix occidentalis*). 6 p. August.
- Western redcedar [*Giant arborvitae*] (*Thuja plicata*). 5 p. August.
- White fir (*Abies concolor*). 12 p. July.
- 93 CONTROL of conditions in gluing with protein and starch glues. U. S. Forest Serv. Forest Prod. Lab. Mimeog. 1340, rev., 11 p. Madison, 1945. 1.9 F761R
- Wisconsin University cooperating.
- 94 CROSS-ROADS conference for sawmill operators, 1945; how to produce more and better lumber and stay in business. 66 p., processed. Philadelphia, 1945. 1.9621 R7C88
- The War Production Board cooperating.
- Charts and diagrams.
- 95 FEWELLS, H. A. Site preparation as an aid to sugar pine [*Pinus lambertiana*] regeneration. U. S. Forest Serv. Calif. Forest and Range Expt. Sta. Forest Res. Note 41, 4 p., processed. Berkeley, 1944. 1.9 F7623R
- 96 LIST of dry kiln manufacturers and dry kiln engineers in the United States. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R1031, rev., 3 p. Madison, 1945. 1.9 F761R
- 97 LIST of publications on logging, manufacture, and utilization of timber, lumber, and other wood products. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R790, 29 p. Madison, 1945. 1.9 F761R
- Wisconsin University cooperating.

- 98 MACLEAN, J. D. Effect of heat on the properties and serviceability of wood; experiments on thin wood specimens. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R1471, 36 p. Madison, 1945. 1.9 F761R
- Wisconsin University cooperating.
- 99 NATIONAL forest facts Southwestern Region, Arizona and New Mexico, 1945. 47 p. 1945. 1.9621 R3St2
- 100 PRESCOTT National Forest, Arizona. Map. 1945. Map case 1 F765Ma
- 101 RADIO material for the cooperative forest fire prevention campaign. 2 Nos., processed. n. d. 1.962 F1W26
- Conducted by State and Federal Forestry Agencies, the War Advertising Council cooperating.
- Honeymoon. 9 p. (Platter V)
- Enemy. 10 p. (Platter VI)
- 102 REPORT on use of fire control line machinery, Clark National Forest. Army jeep. 15 p., processed. Ironton, Mo., 1944. 1.962 F1R295
- 103 RESULTS of range management research, Rocky Mountain Forest and Range Experiment Station. (Highlights of Range Management Section of 1944 annual report.) 4 p., processed. Lincoln? 1945. 1.9622 R3R312
- 104 TELFORD, C. J. Small sawmill improvement; practical pointers to field agencies: Methods of loading lumber at the rear of the mill. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R899-23, 4 p. Madison, 1945. 1.9 F761R
- 105 TELFORD, C. J. Small sawmill improvement; practical pointers to field agencies: Self-loading auto truck devices. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R899-24, 7 p. Madison, 1945. 1.9 F761

## GRADUATE SCHOOL

- 106 LECTURES on administrative regulation. 76 p. 1945. 1 Ag854L
- Contents: Administrative regulation, by A. Sellers; Regulatory procedures in the National War Labor Board, by L. K. Garrison; The development of regulatory procedures in agricultural marketing and food distribution, by C. W. Kitchen; Regulatory procedures in the Office of Price Administration, by J. Rosenthal; Regulatory procedures in the War Production Board, by T. C. Blaisdell, Jr.; Regulatory procedures of the coal agencies in the Department of the Interior, by F. Harper; The role of the Administrator in the regulatory process, by P. H. Appleby; A twelve point primer, by J. B. Eastman.
- 107 ORGANIZING for peace; lectures. 79 p. 1945. 1 Ag854Or
- Contents: What should be done with Japan? by N. Pepper; Military factors in planning for permanent peace, by H. Baldwin; Geographic considerations in planning for peace, by D. Whittlesey; The political structure of effective world organization, by J. W. Fulbright; Old and new diplomacy, by A. Geraud; The Dumbarton Oaks proposals in the light of League experience, by F. B. Potter.

## HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

- 108 CABBAGE comes to lunch and dinner. 4 p., processed. 1945. 1.982 A2C11
- Recipes.
- 109 MCCAY, J. B. A stronger staff of life. 6 p., processed. 1945. 1.982 A2St8
- Enrichment of bread.
- 110 PATTERNS for women's work clothes designed by U. S. Bureau of Human Nutrition and Home Economics. 1 p., processed. 1945. 1.982 T2P272
- List of patterns and where they may be obtained.

## INFORMATION, OFFICE OF

- 111 NUTRITION; a list of references to motion pictures. 15 p., processed. 1945. 1.914 M2N95



## LABOR, OFFICE OF

- 112 BULLETINS of the Food Industries Division. 37 Nos., processed. 1.9424 L8F73  
Deal largely with production and manpower situations.
- No. 2. Fruit and vegetable processing industry. 7 p. n. d.
- No. 3. Fertilizer industry. 2 p. n. d.
- No. 4. The meat packing industry. 3 p. n. d.
- No. 5. Resumption or expansion of civilian production. 1 p. n. d.
- No. 8. The dairy industry. 4 p. Nov. 1944.
- No. 9. Removal of food industries from the "must" urgency list. 1 p. n. d.
- No. 10. The cold storage industry. 2 p. n. d.
- No. 11. The sugar refining industry. 11 p. n. d.
- No. 12. Resumption or expansion of civilian production under the "spot" authorization program. 9 p. n. d.
- No. 14, Sup. 1. Revision in procedure on facilities review. 2 p. Mar. 1945.
- No. 15. [National situation regarding malted grains.] 2 p. n. d.
- No. 16. Wage control regulations and manpower in food industries. 11 p. Jan. 30, 1945.
- No. 17. Production and manpower information showing the essentiality of...[fruits and vegetables, meat packing, wet corn milling, cold storage, sugar processing, fish canning, dairy products, activities. 21 p. Feb. 14, 1945.
- No. 18. Canned poultry. 1 p. Feb. 14, 1945.
- No. 19. Instruction to district representatives of War Food Administration regarding regulations of the Selective Service System in the deferment of men under 30 years of age. 3 p. Feb. 22, 1945. Also supplements 1-4, issued Feb. 28, Mar. 14, June 19, and July 6, 1945, respectively.
- No. 20. Inter-regional recruitment [for food processing industry] procedure. 2 p. Apr. 1945.
- No. 21. Production urgency and manpower priority ratings. 4 p. May 1945.
- No. 22. Manpower problems in dairy processing plants. 2 p. May 3, 1945.
- No. 23, ser. 2. Dairy production and dairy manpower problems after V-E Day. 4 p. May 1945.
- No. 24. Labor problems in food industries. 3 p. May 1945.
- No. 25. The recruitment of prisoners of war and foreign workers. 4 p. May 22, 1945.
- No. 26. Repair and maintenance of refrigeration equipment. 1 p. May 28, 1945.
- No. 27. The importance of the mixed feed industry to the war food program. 3 p. June 9, 1945.
- No. 28. Bulletins on farm machinery and equipment and food processing machinery and equipment. 2 p. June 1945.
- No. 29. Production urgency guide and bulletins. 3 p. July 1945.
- No. 30. Wage certification procedure. 1 p. n. d.
- No. 31. Problems in food industries. 1 p. Aug. 6, 1945.
- No. 32. Foreign workers. 2 p. Aug. 29, 1945.
- No. 33. Labor in agriculture and food industries. 2 p. Sept. 14, 1945.
- No. 34. Changes in activities of labor representatives. 2 p. Sept. 13, 1945.
- No. 35. Field relations with regard to labor disputes. 1 p. Sept. 14, 1945.
- No. 36. Proposed amendment to the Fair Labor Standards Act of 1938. 8 p. Oct. 5, 1945.
- No. 38. Summary of unemployment compensation statutes. 3 p. Oct. 16, 1945.

## LIBRARY

- 113 FISCHER, V. H. The farmhouse; a list of references. U. S. D. A. Libr. Libr. List 19, 124 p., processed. 1945. 1.916 L612

- 114 SWINGLE, M. K. Sesame; a list of references. U. S. D. A. Libr. Libr. List 20, 18 p., processed. 1945. 1.916 L612

## MARKETING SERVICES, OFFICE OF

- 115 ARRIVALS and unloads of fruits and vegetables at Kansas City for 1944; annual report. 15 p., processed. Kansas City, 1945. 1.9 Ec741Cu
- 116 CHECK list of standards for farm products of the Office of Marketing Services. 12 p., processed, 1945. 1.9 Ec731C  
Revised to July 1, 1945.
- 117 SHEEP and lamb production program; questions and answers. 3 p., processed. Chicago, 1945. 1.9422 L2Sh3
- 118 STITTS, T. G. Remarks...at meeting with poultry processors, Chicago, Illinois, August 5, 1945. 6 p., processed. 1945. 1.955 C2St5  
Poultry for the armed forces.
- 119 TENTATIVELY approved marketing agreement regulating the handling of milk in the New York metropolitan milk marketing area. 23 p. 1945. (Dock et No. AO-71-Ap) 1 F733T
- 120 THOMAS, H. L., and GERDES, F. L. Cottonseed quality test results of interest to cottonseed oil mill superintendents. 15 p., processed. 1945. 1.9422 C32C82  
Presented before meeting of Board of Directors, Tri-States Cottonseed Oil Mill Superintendents' Association, Greenville, Miss., Aug. 18, 1945.

## PERSONNEL, OFFICE OF

- 121 CONFERENCE leadership training; how to prepare for a meeting; how to lead a meeting. 28 p., processed. 1945. 1.917 T2C76
- 122 EXAMINATION specifications for the positions which have so far been approved by the appropriate examining units of the Civil Service Commission. 14 p., processed. 1945. 1.917 A2Ex1  
Agronomist, range conservationist, soil scientist.
- 123 UNITED STATES Department of Agriculture organization chart. Processed. 1945. 1.917 A2Un3

PLANT INDUSTRY, SOILS,  
AND AGRICULTURAL ENGINEERING, BUREAU OF

- 124 MAY, C. Directions for fertilizing shade trees. 2 p., processed. Beltsville, Md., 1945. 1.965 F3D62

## PRODUCTION AND MARKETING ADMINISTRATION

- 125 CATTLE and calves: monthly average price per 100 pounds, Montgomery, 1944. Based on the mean of daily range of quotations. 1 p., processed. 1945. 1.9422 L8C29Mo
- 126 FACT sheet on cauliflower. 4 p., processed. 1945. 1.956 A2F113
- 127 HOGS: monthly average price per 100 pounds, Montgomery, 1944. Based on the mean of daily range of quotations. 1 p., processed. 1945. 1.9422 L8H67Mo  
Similar reports for North Portland, Omaha, Peoria.
- 128 SHEEP and lambs: monthly average price per 100 pounds, San Antonio, 1944. Based on the mean of daily range of quotations. 1 p., processed. 1945. 1.9422 L8Sh3San  
Similar reports for Baltimore, North Portland, Oklahoma City, Omaha, South St. Joseph.
- 129 [SUGAR determination.] 2 Nos. 1945. 1.94 Su3Sd  
S. D. 224. Determination of fair and reasonable wage rates for persons employed in the harvesting of sugarcane in Louisiana during the period September 1, 1945 to June 30, 1946. 2 p.



S. D. 226. Determination of proportionate shares [acreage] for farms in the domestic beet sugar area for the 1945 crop. 1 p.

130 USDA recommends protein conservation measures. 2 p., processed. 1945. 1.956 A2Usl

181 [WAR FOOD Orders.] 101 Nos. 1945. 1 F733F

WFO 2-11. Butter; percentage to be set aside in August 1945. 1 p. July 23.

WFO 4-9. Cigar filler and binder types of tobacco; restrictions on the purchase. 1 p. June 29; also amendment 1, issued Oct. 24.

WFO 4-10. 1945 crop flue-cured tobacco [restrictions]. 1 p. July 18; also amendment 3, issued Oct. 17.

WFO 5, amend. 2. Manufacture, delivery and use of fertilizer. 2 p. June 30.

WFO 10, amend. 10. Rice set aside. 2 p. July 31; also amendment 11, issued Oct. 9.

WFO 10-1. Revocation of requirement of reports. 1 p. July 31.

WFO 15-18. Cheddar cheese; percentages to be set aside in August and September. 1 p. July 19; also amendment 1, issued Aug. 31.

WFO 16, amend. 5. Dried fruit, raisins, and Zante currants. 2 p. Sept. 21; also amendment 6, issued Oct. 16.

WFO 22, amend. 4. Canned vegetables, canned fruit, and canned vegetable and fruit juices. 1 p. Sept. 4.

WFO 22-8, amend. 3. Canned fruits, and canned fruit juices, required to be set aside during 1945. 2 p. June 29; also amendments 4, 5, and 6 (and partial termination), issued Aug. 3, 23, and Oct. 5, respectively.

WFO 22-9, amend. 3. Canned vegetables, and canned vegetable juices, required to be set aside during 1945. 2 p. June 29; also amendments 4, 5, and 6, issued Aug. 3, 23, and Oct. 5, respectively.

WFO 25, amend. 4. Conservation and distribution of cocoa beans and cocoa bean products. 1 p. Oct. 9.

WFO 25-1, amend. 4. Quotas and records prescribed for cocoa beans. 1 p. Oct. 4.

WFO 42, amend. 16. Fats and oils; miscellaneous amendments. 1 p. June 29; also amendments 17 and 18, issued July 10 and Aug. 21, respectively.

WFO 42a, amend. 5. Fats and oils; increased quotas. 1 p. Aug. 21.

WFO 42b, amend. 6. Fats and oils; extension of soap. 1 p. July 23.

WFO 44, amend. 10. Restrictions on 1945 pack of canned fish. 1 p. June 29; also amendments 11, 14, and 15, issued July 26, Aug. 31, and Oct. 9, respectively.

WFO 45. Partial Suspension. Restrictions on deliveries of [dry] beans. 1 p. Sept. 29.

WFO 48. Termination. Restrictions in inventories. [Limited inventories of all slaughterers and meat handlers.] 1 p. July 10.

WFO 54. Partial Suspension. Dried skim milk. [Released from set-aside restrictions.] 1 p. Sept. 13; also WFO 54-4, amendment 10, issued July 19.

WFO 62. Termination. Figs. [Use in fresh, frozen or dried form for non-food uses without specific authorization.] 1 p. Aug. 3.

WFO 63, amend. 3. Restrictions on imports of certain foods. 3 p. July 17.

WFO 63-5. Food imports; revision of appendix. 2 p. Sept. 19.

WFO 66, amend. 11. Malted grains, malt syrup, rice, hops, hop products, and corn. 1 p. Sept. 10; also amendment 12, issued Nov. 7.

WFO 67, amend. 8. Inedible tallow or grease. 1 p. Oct. 3.

WFO 69. Termination. Fruit for alcoholic purposes. 1 p. Aug. 24.

WFO 75-2. Suspension. Beef set aside suspension. 1 p. Aug. 17; also amendments 27, 28, 29, 30, and 31, issued July 26, Aug. 10, Oct. 11, 17, and 26, respectively.

WFO 75-3, amend. 17. Pork set aside reduction. 1 p. July 18; also amendments 18, 19, 20, 21, 22, and 24, issued July 26, 27, Aug. 9, 10, 17, and Nov. 2, respectively.

WFO 75-4. Suspension. Veal set aside suspension. 1 p. Aug. 17; also amendments 2, 3, 4, and 5, issued Aug. 10, Oct. 11, 17, and 26, respectively.

WFO 75-5. Termination. Lamb set aside terminated. 1 p. July 19; also amendment 3, issued July 12.

WFO 75-6. Lamb and mutton required to be set aside. 2 p. Oct. 11; also amendments 1 and 2, issued Oct. 17 and 26, respectively.

WFO 76. Termination. Wool fat. 1 p. Aug. 24.

WFO 78, amend. 2. Procedural regulations; issuance of orders affecting persons subject to priority or allocation orders and regulations. 1 p. Oct. 16.

WFO 78-1, amend. 4. Issuance of orders resulting from violations of priority or allocation orders. 3 p. Oct. 17.

WFO 79 Series. Partial Suspension. Conservation and distribution of fluid milk and cream. 3 Nos. 1 p. each, issued Aug. 20, Sept. 1, and 13.

WFO 79-102, amend. 12. Delegation of authority to market agents in administration of War Food Orders for conservation and distribution of fluid milk and cream. 1 p. July 20.

WFO 81. Termination. Oil of peppermint. 1 p. Aug. 21.

WFO 92. Cheese and cheese foods. 1 p. Sept. 19.

WFO 111. Partial Suspension. Partial suspension of restrictions on refrigerated food storage facilities. 1 p. June 28.

WFO 119-1. Termination. Poultry and processed poultry. 1 p. Aug. 24; also amendment 1, issued July 26.

WFO 120-5. Termination. Irish potatoes. [Shipping restrictions on Kern County, Calif., potatoes.] 1 p. July 14.

WFO 120-6. Termination. Irish potatoes. [Shipping restrictions in Accomac and Northampton Counties, Va.] 1 p. July 12.

WFO 125 and 125-1. Partial Suspension. Poultry. 1 p. July 30; also WFO 125 Termination, issued Aug. 25.

WFO 128. Termination. Inventories of animal oil and neat's-foot oil. 1 p. Aug. 24.

WFO 131, amend. 1. Sugar; primary distributor definition. 1 p. July 10.

WFO 131-1, amend. 2. Sugar; revised distribution quotas for April-September 1945 quota period. 1 p. July 26; also amendments 3, 4, and 5, issued Sept. 13, Oct. 8, and 23, respectively.

WFO 134. Termination. Glycerine inventories. 1 p. Aug. 24.

WFO 137. Castor oil. 2 p. June 29.

WFO 139. Livestock and meats; certification under Public Law 108, 79th Congress. 2 p. July 13; also amendment 1, issued Aug. 10.

WFO 139-1. Livestock and meats; regulations under War Food Order No. 139. 2 p. Aug. 29.

WFO 140. Restrictions on shipment of lambs. 1 p. July 21.

WFO 141. Restrictions on distribution and use of grain. 2 p. July 26; also amendment 1, issued Sept. 4.

WFO 142 and 142-1. Poultry and processed poultry. 3 p. July 31; also WFO 142 Termination, issued Aug. 25.

WFO 143. Apples. [Set-aside order.] 2 p. Oct. 2; also amendment 1, issued Nov. 8.

#### RURAL ELECTRIFICATION ADMINISTRATION

132 ENGINEERING specifications & procedures relating to REA maps and drawings; (Engineering supplement to ADM-49, standards for REA mapping). 16 p., processed. St. Louis? 1945. 1.933 En3E



133 INTERPRETATIONS of REA manual of accounts as they apply to REA cooperatives. 8 p., processed St. Louis, 1945. 1.933 M3131

134 STANDARDS for REA mapping. 7 p., processed. St. Louis? 1945. 1.933 St2S

135 YOUR wiring check list. 4 p. St. Louis, 1945. 1.933 Y8

Ten things to remember in home and farm wiring.

#### SECRETARY, OFFICE OF

136 ANDERSON, C. P. Address...before the Food and Agriculture Conference of the United Nations at Quebec, Canada, October 18, 1945. 3 p., processed. 1945. 1.91 A2An2

Outlines the nature of food and agriculture problems in the United States.

137 ANDERSON, C. P. Agriculture, industry, and the future of farmers. 12 p., processed. 1945. 1.91 A2An2

Talk at Kansas State College Industrial-Agricultural Week Conference, Manhattan, Nov. 9, 1945.

138 ANDERSON, C. P. Equality for agriculture. 15 p., processed. 1945. 1.91 A2An2

Address before the National Association of Commissioners, Secretaries, and Directors of Agriculture, Memphis, Nov. 12, 1945.

A fair share of the national income; parity prices for farm products.

139 ANDERSON, C. P. Looking forward with the South. 13 p., processed. 1945. 1.91 A2An2

Address at a joint meeting of farm and business groups, Anderson, S. C., Nov. 14, 1945.

A pattern for industrial-agricultural development which includes diversified farming, mechanized farming, and cheaper cotton production.

140 ANDERSON, C. P. Talk...before the Florida Farm Bureau Federation Convention, Orlando, Florida, November 15, 1945. 11 p., processed. 1945. 1.91 A2An2

Discusses mainly problems of the citrus industry.

#### SOIL CONSERVATION SERVICE

141 FLEMING, A. S. "Veterans preferred." 4 p., processed. Albuquerque, 1945. 1.96 Ad6V

Copy of an address.

142 ¿HA USTED leído la leyenda de la ánsara que puso el huevo de oro? 7 p., processed. Albuquerque, 1945. 1.9608 H11

Soil conservation.

143 IRRIGATION in the Deming Area, Luna County, New Mexico. 49 p., processed. Albuquerque, 1945. 1.9608 Ir73

Ground-water supplies available for irrigation; classification of the lands as to irrigability; cost of pumping water for irrigation.

144 KRIMGOLD, D. B., and MINSHALL, N. E. Hydrologic design of small farm ponds in the Claypan Prairies of Illinois and Indiana. 11 p., processed. 1945. 1.96 R31Hyd1

Illinois Agricultural Experiment Station cooperating.

"Based on SCS-TP-56, 'Hydrologic Design of Farm Ponds and Rates of Runoff for Design of Conservation Structures in the Claypan Prairies,' May, 1945."

145 KRIMGOLD, D. B., and MINSHALL, N. E. Hydrologic design of small farm ponds in the Claypan Prairies of Iowa. 11 p., processed. 1945. 1.96 R31Hyd1

Iowa Agricultural Experiment Station cooperating.

"Based on SCS-TP-56, 'Hydrologic Design of Farm Ponds and Rates of Runoff for Design of Conservation Structures in the Claypan Prairies,' May, 1945."

146 KRIMGOLD, D. B., and MINSHALL, N. E. Hydrologic design of small farm ponds in the Claypan Prairies of Missouri. 11 p., processed. 1945. 1.96 R31Hydm

Missouri Agricultural Experiment Station cooperating.

"Based on SCS-TP-56, 'Hydrologic Design of Farm Ponds and Rates of Runoff for Design of Conservation Structures in the Claypan Prairies,' May, 1945."

147 KRIMGOLD, D. B., and MINSHALL, N. E. Hydrologic design of small farm ponds in the Claypan Prairies of Oklahoma. 11 p., processed. 1945. 1.96 R31Hydo

Oklahoma Agricultural Experiment Station cooperating.

"Based on SCS-TP-56, 'Hydrologic Design of Farm Ponds and Rates of Runoff for Design of Conservation Structures in the Claypan Prairies,' May, 1945."

148 SNOW surveys and irrigation water forecasts for Columbia Basin and adjacent coastal areas. 3 Nos., processed. Boise, 1944. 1.96 R31Fs

As of Jan. 1, 10 p.; Feb. 1, 14 p.; May 1, 10 p.

149 SNOW surveys and irrigation water forecasts, Gila and Salt River drainages in Arizona. Special supplemental reports. 3 Nos., processed. Fort Collins, Colo., 1944. 1.96 R31Sn

U. S. Forest Service, U. S. Indian Service, U. S. Weather Bureau, the Salt River Valley Water Users' Association, and San Carlos Irrigation and Drainage District cooperating.

150 TERRAZAS individuales para café y plátanos (bananas) recomendadas por el S. C. S. en Puerto Rico. 5 p., processed. 1945. 1.96 Ad6Te

151 ¿USTED no seguiría usando un balde que se sale, verdad? 6 p., processed. Albuquerque, 1945. 1.9608 Us8

Water conservation.

152 YOUNG, V. A. Proper grazing use on southern California annual type ranges. 11 p., processed. Portland, Oreg., 1945. 1.9609 P942



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS  
January 1946

Includes State Agricultural Experiment Station publications received in the library during the preceding month. Articles in Station periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Colorado Agricultural Experiment Station, Fort Collins

153 COLORADO farm bulletin, v. 7, No. 5, 15 p. Sept./Oct. 1945. 100 C71S

Connecticut (State) Agricultural Experiment Station, New Haven

154 BAILEY, E. M. Commercial feeding stuffs, report on inspection, 1944. Conn. (State) Agr. Expt. Sta. B. 486, p. 167-260. 1945. 100 C76St

155 TEXT of the insecticide law of Connecticut and regulations for its enforcement. Conn. (State) Agr. Expt. Sta. C. 162, p. 11-16. 1945. 100 C76St

Florida Agricultural Experiment Station, Gainesville

156 NELLER, J. R. Culture, fertilizer requirements and fiber yields of ramie [*Boehmeria nivea*] in the Florida Everglades. Fla. Agr. Expt. Sta. B. 412, 40 p. 1945. 100 F66S

157 TISDALE, W. B., BROOKS, A. N., and TOWNSEND, G. R. Dust treatments for vegetable seed. Fla. Agr. Expt. Sta. B. 413, 32 p. 1945. 100 F66S

158 MUSTARD, M. J. Ascorbic acid content of some Florida-grown guavas. Fla. Agr. Expt. Sta. B. 414, 14 p. 1945. 100 F66S

159 SMITH, F. B., and THORNTON, G. D. Production of artificial mamre. Fla. Agr. Expt. Sta. B. 415, 20 p. 1945. 100 F66S

160 VOLK, G. M., and BELL, C. E. Some major factors in the leaching of calcium, potassium, sulfur and nitrogen from sandy soils. Fla. Agr. Expt. Sta. B. 416, 23 p. 1945. 100 F66S

161 SMITH, F. B., BLASER, R. E., and THORNTON, G. D. Legume inoculation. Fla. Agr. Expt. Sta. B. 417, 32 p. 1945. 100 F66S

Illinois Agricultural Experiment Station, Urbana

162 BAUER, F. C., and BADGER, C. J. Ewing Soil Experiment Field, 1910-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1096d, 4 p., processed. 1945. 275.29 I162Pag

163 BAUER, F. C., and BADGER, C. J. Dixon Springs Soil Experiment Field, 1937-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1096e, 4 p., processed. 1945. 275.29 I162Pag

164 BAUER, F. C., and BADGER, C. J. Raleigh Soil Experiment Field, 1910-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1096f, 4 p., processed. 1945. 275.29 I162Pag

165 BAUER, F. C., and JOHNSON, P. E. Lebanon Soil Experiment Field, 1910-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1096g, 4 p., processed. 1945. 275.29 I162Pag

166 BAUER, F. C., and JOHNSON, P. E. Oblong Soil Experiment Field, 1912-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1096h, 4 p., processed. 1945. 275.29 I162Pag

167 BAUER, F. C., and BADGER, C. J. Sparta Soil Experiment Field, 1916-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1096i, 4 p., processed. 1945. 275.29 I162Pag

168 BAUER, F. C., and BADGER, C. J. Elizabethtown Soil Experiment Field, 1918-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1096j, 4 p., processed. 1945. 275.29 I162Pag

169 BAUER, F. C., LANG, A. L., and MILLER, L. B. Bloomington Soil Experiment Field, 1902-1944. Ill. Agr. Expt. Sta. AG-1145, 4 p., processed. 1945. 275.29 I162Pag

170 BAUER, F. C., LANG, A. L., and NELSON, M. H. Antioch Soil Expt. Field, 1902-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1146, 4 p., processed. 1945. 275.29 I162Pag

171 BAUER, F. C., LANG, A. L., and FARNHAM, C. H. Urbana Soil Experiment Field studies, 1888-1944; general summary of results. Ill. Agr. Expt. Sta. AG-1150, rev., 8 p., processed. 1945. 275.29 I162Pag

172 PERKINS, N. L., BEYER, W., and BANE, L. A survey of some fatigue problems of rural homemakers with special emphasis on home laundering facilities and practices. Ill. Agr. Expt. Sta. B. 514, 79 p. 1945. 100 I16S

173 WILCOX, R. H., and RHODE, C. S. Cost of producing milk in Illinois portion of the St. Louis milkshed. Ill. Agr. Expt. Sta. B. 515, p. 83-104. 1945. 100 I16S

Indiana Agricultural Experiment Station, Lafayette

174 WAPLES, E. O. Land prices during World War II in eleven Indiana counties, 1941-1944. Ind. Agr. Expt. Sta. Mimeog. 1, 12 p. 1945. 100 In2Agm

175 PROBST, A. H., and CUTLER, G. H. Indiana soybean variety tests, 1938-1944. Ind. Agr. Expt. Sta. Mimeog. 2, 6 p. 1945. 100 In2Agm

U. S. Regional Soybean Laboratory and Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

176 INDIANA'S agricultural production for 1946. Ind. Agr. Expt. Sta. Mimeog. 3, 20 p. 1945. 100 In2Agm

Kansas Agricultural Experiment Station, Manhattan

177 GRIMES, W. E. Controlling inflation. Kans. Agr. Expt. Sta. Agr. Econ. Rpt. 28, 13 p., processed. 1945. 281.9 K132

Maine Agricultural Experiment Station, Orono

178 TOBEY, E. R. Commercial feeding stuffs, 1944-45. Maine. Agr. Expt. Sta. Off. Insp. 196, 31 p. 1945. 100 M28S

Maryland Agricultural Experiment Station, College Park

179 HAVILAND, E. E. A pest [*Halticotoma valida*] of yucca. Md. Agr. Expt. Sta. B. A37, p. 103-112. 1945. 100 M36S



180 KRAMER, A., and others. Chemical and nutritional studies of canned vegetable soybeans. Md. Agr. Expt. Sta. B. A39, p. 57-86. 1945. Ref., p. 95-86. 100 M36S

C. H. Mahoney, E. Stephenson, and A. L. Marks, joint authors.

Massachusetts Agricultural Experiment Station, Amherst

181 GUNNESS, C. I. Meteorological observations for October 1945. Mass. Agr. Expt. Sta. Met. Ser. B. 682, 4 p. 1945. 100 M38H

Minnesota Agricultural Experiment Station, University Farm, St. Paul

182 WILSON, A. D. Progress in development of a land and timber management program in northeastern Minnesota. 46 p. Minn. Agr. Expt. Sta., 1944. 282.043 M66

Mississippi Agricultural Experiment Station, State College

183 WEST, H. O. Milk production. Miss. Agr. Expt. Sta. B. 401, 104 p. 1944. 100 M69  
Discusses dairy cattle feeding, nutrition, diseases, and parasites.

184 BATSON, F. S. Roses for the home garden. Miss. Agr. Expt. Sta. Inform. Sheet 324, 2 p. 1944. 100 M69In

185 ASHLEY, T. E. Peanuts for pork production. Miss. Agr. Expt. Sta. Inform. Sheet 325, 1 p. 1944. 100 M69In

186 FOSTER, H. H., and PINCKARD, J. A. Cabbage varieties tested for resistance to mildew or rust. Miss. Agr. Expt. Sta. Inform. Sheet 326, 2 p. 1944. 100 M69In

187 DORMAN, C. Fertilizer recommendations for Mississippi, 1945. Miss. Agr. Expt. Sta. Inform. Sheet 327, 2 p. 1944. 100 M69In

188 GREER, S. R. Summer legumes with tung trees in south Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 328, 1 p. Dec. 1944. 100 M69In

189 BATSON, F. S. How to root cuttings of ornamental shrubs under home conditions. Miss. Agr. Expt. Sta. Inform. Sheet 329, 2 p. 1944. 100 M69In

190 BATSON, F. S. Gladiolus for the home. Miss. Agr. Expt. Sta. Inform. Sheet 330, 2 p. 1945. 100 M69In

191 ASHLEY, T. E. Sources of nitrogen for oats in south Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 331, 1 p. 1945. 100 M69In

192 COLEMAN, R. Top dress oats with nitrogen. Miss. Agr. Expt. Sta. Inform. Sheet 332, 2 p. 1945. 100 M69In

193 BATSON, F. S. Home production of dahlias. Miss. Agr. Expt. Sta. Inform. Sheet 333, 2 p. 1945. 100 M69In

194 MOORE, E. L. Nitrogen side-dressing for cabbage: Crystal Springs. Miss. Agr. Expt. Sta. Inform. Sheet 334, 1 p. 1945. 100 M69In

195 MOORE, E. L., and LYLE, C. Control of insects attacking major truck crops in Mississippi. Miss. Agr. Expt. Sta. Inform. Sheet 335, 2 p. 1945. 100 M69In

Beans, cabbage, cantaloup, sweet corn, peas, tomatoes, and watermelon.

196 ASHLEY, T. E., and COLEMAN, R. Sources of nitrogen: Poplarville, 1943-44. Miss. Agr. Expt. Sta. Inform. Sheet 336, 1 p. 1945. 100 M69In  
For cotton production.

197 MOORE, E. L. Nitrogen side-dressing for tomatoes. Miss. Agr. Expt. Sta. Inform. Sheet 337, 1 p. 1945. 100 M69In

198 O'KELLY, J. F. Soybean varieties, 1944. Miss. Agr. Expt. Sta. Inform. Sheet 338, 1 p. 1945. 100 M69In

199 FOSTER, H. H. Preliminary report on the resistance to disease of certain tomato lines and varieties. Miss. Agr. Expt. Sta. Inform. Sheet 339, 2 p. 1945. 100 M69In

200 WOODBURN, R. Winter legumes save soil even after turning. Miss. Agr. Expt. Sta. Inform. Sheet 340, 2 p. 1945. 100 M69In

201 ASHLEY, T. E. Sugarcane varieties, Poplarville, 1943-1944. Miss. Agr. Expt. Sta. Inform. Sheet 341, 1 p. 1945. 100 M69In

202 LYLE, C. Cotton insect recommendations for 1945. Miss. Agr. Expt. Sta. Inform. Sheet 342, 2 p. 1945. 100 M69In

203 MEANS, R. H. The use of urea in making silage from sweet sorghum. Miss. Agr. Expt. Sta. Inform. Sheet 343, 1 p. 1945. 100 M69In

204 LYLE, C. Control of pests of shrubbery and flowers. Miss. Agr. Expt. Sta. Inform. Sheet 344, 2 p. 1945. 100 M69In

205 GREER, S. R. Fertilizing young tung trees. Miss. Agr. Expt. Sta. Inform. Sheet 345, 2 p. 1945. 100 M69In

206 LYLE, C. Control of household pests. Miss. Agr. Expt. Sta. Inform. Sheet 347, 2 p. 1945. 100 M69In

207 BEDENBAUGH, P. G. Combinations of corn and Mississippi-grown oats and barley for fattening pigs. Miss. Agr. Expt. Sta. Inform. Sheet 348, 1 p. 1945. 100 M69In

208 ANTHONY, J. L. Calcium silicate slag as a source of agricultural lime. Miss. Agr. Expt. Sta. Inform. Sheet 349, 1 p. 1945. 100 M69In

209 O'KELLY, J. F. Ramie: a possible source of bast fiber. Miss. Agr. Expt. Sta. Inform. Sheet 350, 1 p. 1945. 100 M69In

210 MISSISSIPPI farm research, v. 8, No. 10, 8 p. Oct. 1945. 100 M69M1

Missouri Agricultural Experiment Station, Columbia

211 AVAILABLE publications, Agricultural Experiment Station and Agricultural Extension Service. Mo. Agr. Expt. Sta. Serv. C. 116, 8 p. 1945. 100 M6935e

New Jersey Agricultural Experiment Station, New Brunswick

212 BLAKE, M. A., EDGERTON, L. J., and DAVIDSON, O. W. The importance of environment for growing apples. N. J. Agr. Expt. Sta. C. 498, 24 p. 1945. 100 M46S

213 GARRISON, C. S. Growing soybeans in New Jersey. N. J. Agr. Expt. Sta. C. 499, 8 p. 1945. 100 M46S

214 CATHCART, C. S., and WILLIS, R. L. Analyses of materials sold as insecticides and fungicides during 1944. N. J. Agr. Expt. Sta. Insp. Ser. 16, 12 p. 1944. 100 M46S

New Mexico Agricultural Experiment Station, State College

215 LANTZ, E. M. Some factors affecting the ascorbic acid content of chile [*Capsicum annum*]. N. Mex. Agr. Expt. Sta. B. 324, 14 p. 1945. 100 M46S

216 NEALE, P. E. Lamb-feeding rations. N. Mex. Agr. Expt. Sta. Press B. 1009, 9 p., processed. 1945. 100 M46S

New York (Cornell) Agricultural Experiment Station, Ithaca

217 SPENCER, L. Costs of distributing milk in the New York-New Jersey metropolitan area, including an appraisal of wartime economies in milk delivery: a preliminary report. N. Y. (Cornell) Agr. Expt. Sta. A. E. 528, 110 p., processed. 1945. 281.9 C81



- 218 SPENCER, L. Costs of selling and delivery on wholesale milk routes in the New York-New Jersey metropolitan area. N. Y. (Cornell) Agr. Expt. Sta. A. E. 528-B, 26 p., processed. 1945. 281.9 C81
- 219 LAMBORN, E. W., and BIERLY, I. R. Costs in harvesting hay by different methods: a report to cooperating farmers. N. Y. (Cornell) Agr. Expt. Sta. A. E. 529, 7 p., processed. 1945. 281.9 C81
- 220 MISNER, E. G. Economic aspects of quality in market milk. N. Y. (Cornell) Agr. Expt. Sta. A. E. 531, 29 p., processed. 1945. 281.9 C81
- 221 MISNER, E. G. Master's degrees with a major in agricultural economics, Cornell. N. Y. (Cornell) Agr. Expt. Sta. A. E. 532, 47 p., processed. 1945. 281.9 C81
- 222 SPENCER, L., and LUKE, H. A. Milk delivery in war and peace: a study of the system of milk distribution in the New York market, 1942 to 1944. N. Y. (Cornell) Agr. Expt. Sta. A. E. 534-A, 12 p., processed. 1945. 281.9 C81
- 223 CUNNINGHAM, L. C. The cost of producing milk in World War II. N. Y. (Cornell) Agr. Expt. Sta. A. E. 536, 4 p., processed. 1945. 281.9 C81
- 224 MISNER, E. G. Volume and butterfat test of producer milk deliveries, Rochester market, 1944. N. Y. (Cornell) Agr. Expt. Sta. A. E. 538, 15 p., processed. 1945. 281.9 C81
- 225 ANDERSON, R. H. Consumer demand for meat, Syracuse, New York, 1942. N. Y. (Cornell) Agr. Expt. Sta. B. 816, 40 p. 1945. 100 N48C
- 226 RASMUSSEN, M. P., QUILSLUND, F. A., and CAKE, E. W. Hucksters and pushcart operators as retailers of fruit. N. Y. (Cornell) Agr. Expt. Sta. B. 820, 50 p. 1945. 100 N48C
- 227 THOMPSON, H. C. Spacing affects yield of asparagus. N. Y. (Cornell) Agr. Expt. Sta. B. 822, 8 p. 1945. 100 N48C
- 228 HEUSER, G. F., NORRIS, L. C., and BRUCKNER, J. H. Pasture experiments with growing pullets. N. Y. (Cornell) Agr. Expt. Sta. B. 823, 22 p. 1945. Ref., p. 21-22. 100 N48C
- 229 COCHRANE, V. W. The common leaf rust of cultivated roses, caused by *Phragmidium mucronatum* (Fr.) Schlecht. N. Y. (Cornell) Agr. Expt. Sta. Mem. 268, 39 p. 1945. Ref., p. 35-39. 100 N48C
- 230 DIETRICH, H. The Elateridae of New York State. N. Y. (Cornell) Agr. Expt. Sta. Mem. 269, 79 p. 1945. 100 N48C
- 231 BLAUVELT, W. E. The internal morphology of the common red spider mite (*Tetranychus telarius* Linn.). N. Y. (Cornell) Agr. Expt. Sta. Mem. 270, 46 p. 1945. Ref., p. 31-34. 100 N48C

New York (State) Agricultural Experiment Station, Geneva

- 232 SUIT, R. F. Field results on the control of certain grape diseases in New York. N. Y. (State) Agr. Expt. Sta. B. 712, 26 p. 1945. 100 N48
- 233 HAYNES, W. C., and HUCKER, G. J. Studies on the Coccaceae. XVIII. The enterotoxin-producing micrococci. N. Y. (State) Agr. Expt. Sta. Tech. B. 275, 82 p. 1945. Ref., p. 79-82. 100 N48

North Carolina Agricultural Experiment Station, State College Station, Raleigh

- 234 RESEARCH and farming: sixty-seventh annual report of the North Carolina Agricultural Experiment Station for the fiscal period July 1, 1943-June 30, 1944. 111 p. 1945. 100 N81

Ohio Agricultural Experiment Station, Wooster

- 235 ANNUAL reports of the Ohio Agricultural Experiment Station, 1939-1943: fifty-ninth, sixtieth, sixty-first, and sixty-second for the period July 1, 1939 through June 30, 1943. Ohio. Agr. Expt. Sta. B. 658, various paging. 1945. 100 Oh35

- 236 BIMONTHLY bulletin, v. 30, No. 235, p. 119-153. July/Aug. 1945. 100 Oh35

Oklahoma Agricultural Experiment Station, Stillwater

- 237 PRESTON, D. A. Host index of Oklahoma plant diseases. Okla. Agr. Expt. Sta. Tech. B. T-21, 168 p. 1945. 100 Ok4
- 238 CHESTER, K. S., and others. Diseases of field crops in Oklahoma. Okla. Agr. Expt. Sta. C. C. 119, 23 p. 1945. 100 Ok4
- W. W. Ray, J. H. McLaughlin, and D. E. Hoffmaster, joint authors.
- 239 CURRENT farm economics, v. 18, No. 5, p. 93-120. Oct. 1945. 100 Ok4

Oregon Agricultural Experiment Station, Corvallis

- 240 POTTER, E. L., and others. The McKenzie and Muddy Creeks irrigation projects: a study of two irrigation projects in the Willamette Valley. Oreg. Agr. Expt. Sta. C. 168, 30 p. 1945. 100 Or3
- A. Joss, D. C. Mumford, and H. L. Thomas, joint authors.

South Carolina Agricultural Experiment Station, Clemson

- 241 MOSER, A. M. Nutritional condition of children in relation to school lunches in two South Carolina rural communities. S. C. Agr. Expt. Sta. B. 359, 54 p. 1945. 100 So8
- 242 CLAYTON, C. N., and NUSBAUM, C. J. Experiments on the use of vegetable seed protectants. S. C. Agr. Expt. Sta. B. 361, 24 p. 1945. 100 So8
- 243 QUESTIONS and answers on enriched corn meal, flour, bread and grits. 6 p. S. C. Agr. Expt. Sta. Misc. P., rev., 1944. 100 So8M

South Dakota Agricultural Experiment Station, Brookings

- 244 HOGELUND, C. R. Second annual report of the North Central South Dakota farm record summary, 1944. S. Dak. Agr. Expt. Sta. Agr. Econ. Pam. 15, 15 p., processed. 1945. 281.9 So86
- South Dakota State College Agricultural Extension Service cooperating.

Tennessee Agricultural Experiment Station, Knoxville

- 245 PUBLICATIONS: Department of Agricultural Economics and Rural Sociology, University of Tennessee. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 60, 8th rev., 30 p., processed. 1945. 173.2 W89Co
- 246 UNPUBLISHED manuscripts: Department of Agricultural Economics and Rural Sociology, University of Tennessee. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 190, 62 p., processed. 1945. 173.2 W89Co

Texas Agricultural Experiment Station, College Station

- 247 FUDGE, J. F., and FRAPS, G. S. The need for lime of some east Texas soils. Tex. Agr. Expt. Sta. Prog. Rpt. 963, 6 p., processed. 1945. 100 T31P
- 248 YOUNG, P. A. Controlling diseases that attack tomato leaves and fruit. Tex. Agr. Expt. Sta. Prog. Rpt. 966, 2 p., processed. 1945. 100 T31P
- 249 MCCUNE, W. E., and others. Building and operating a farm grain drier. Tex. Agr. Expt. Sta. Prog. Rpt. 968, 14 p., processed. 1945. 100 T31P
- H. P. Smith, P. T. Montfort, and E. S. Holmes, joint authors.
- 250 MELASS, V. H., and SHERWOOD, R. M. Riboflavin and protein studies with broilers. Tex. Agr. Expt. Sta. Prog. Rpt. 969, 3 p., processed. 1945. 100 T31P



251 DELAPLANE, J. P. Laboratory examination of poultry specimens. Tex. Agr. Expt. Sta. Prog. Rpt. 970, 5 p., processed. 1945. 100 T31P

252 RANDOLPH, U. A. Promising peach varieties for north Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 973, 2 p., processed. 1945. 100 T31P

253 AGRICULTURAL production, Texas, 1950. 52 p., processed. Tex. Agr. Expt. Sta., 1945. 281.9 T31

U. S. Bureau of Agricultural Economics cooperating.

Utah Agricultural Experiment Station, Logan

254 COE, F. M. Cherry rootstocks. Utah. Agr. Expt. Sta. B. 319, 43 p. 1945. 100 Utl

255 GEDDES, J. A., and FREDRICKSON, C. D. Utah housing in its group and community aspects. Utah. Agr. Expt. Sta. B. 321, 90 p. 1945. 100 Utl

Vermont Agricultural Experiment Station, Burlington

256 ADAMS, T. M. Wartime changes in milk distribution and in the consumption of milk, cream, butter, and oleomargarine in Vermont. Vt. Agr. Expt. Sta. B. 527, 30 p. 1945. 100 V59

Wisconsin Agricultural Experiment Station, Madison

257 WHAT'S new in farm science: sixty-first annual report for year ended June 30, 1944, Part II. Wis. Agr. Expt. Sta. B. 466, 63 p. 1945. 100 W75



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month. Articles in Extension periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

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Mimeographed or processed material issued by the State Agricultural Extension Services is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

California University, College of Agriculture, Agricultural Extension Service, Berkeley

- 258 CAMERON, H. S. Sheep diseases. Calif. Agr. Col. Ext. C. 130, 36 p. 1945. 275.29 C12C
- 259 WIE MAN kartoffeln auflesen muss. Calif. Agr. Col. Ext. Emergency Farm Labor Leaflet 17.G, 4 p., processed. 1945. 275.29 C12En
- 260 COMO se recoge la papa. Calif. Agr. Col. Ext. Emergency Farm Labor Leaflet 17. M, 4 p., processed. 1945. 275.29 C12En
- 261 FAUST, H. Nutrition program: home canning. Calif. Agr. Col. Ext. H. D. 417, rev., 8 p. 1945. 275.29 C122
- 262 GREAVES, V. D., and JOSLYN, M. A. Nutrition program: freezing storage. Home preparation for freezing storage and use of certain frozen products. Calif. Agr. Col. Ext. H. D. 473, rev., 6 p. 1945. 275.29 C122
- 263 BOYS' and girls' 4-H Club work: secretary's book. 32 p., processed. Calif. Agr. Col. Ext., 1945. 275.2 C12A
- 264 DODSON, E. Clothing program: 4-H Club requirements 1944-1945, for club members, leaders, and parents. 4 p. Calif. Agr. Col. Ext., 1944. 275.2 C12CLp
- 265 KOZELUH, F. J. Your victory garden guide. 21 p., processed. Calif. Agr. Col. Ext., rev., 1945. 275.2 C12Y

Colorado State College of Agriculture, Extension Service, Fort Collins

- 266 SANDHOUSE, H. A. Shortening chore time on dairy farms. 2 p., processed. Colo. State Col. Agr. Ext., 1944. 275.2 C713Sh

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

- 267 TO THE GI who wants to farm. Conn. Agr. Col. Ext. Folder 1, 4 p. 1945. 275.29 C76Ex
- 268 OWENS, J. S. Ladino clover. Conn. Agr. Col. Ext. Folder 2, 6 p. 1945. 275.29 C76Ex
- 269 CREEK, C. R., and HAUCK, J. F. Improving land the modern way. Conn. Agr. Col. Ext. Folder 4, 8 p. 1945. 275.29 C76Ex
- Land clearing.

Hawaii University, Agricultural Extension Service, Honolulu

- 270 ECKBLAD, I. M. Lunches with a lift. Hawaii. U. Agr. Ext. War Food Admin. C. 1, 8 p., processed. 1945. 275.29 H312W

- 271 ECKBLAD, I. M. Home canning. Hawaii. U. Agr. Ext. War Food Admin. C. 2, 11 p., processed. 1945. 275.29 H312W
- 272 CURE your own macadamia nuts. Hawaii. U. Agr. Ext. War Food Admin. C. 3, 1 p., processed. 1945. 275.29 H312W
- 273 ECKBLAD, I. M. Rabbit meat is good to eat. Hawaii. U. Agr. Ext. War Food Admin. C. 4, 7 p., processed. 1945. 275.29 H312W
- Includes recipes from "Recipes for Cooking Domestic Rabbit Meat," Wildlife Leaflet 240, Fish and Wildlife Service, U. S. Department of the Interior and "Hawaiian and Pacific Foods," by K. Bazore.
- 274 ECKBLAD, I. M. Mangoes on the menu, recipes; how to can mangoes for future use. Hawaii. U. Agr. Ext. War Food Admin. C. 5, 6 p., processed. 1945. 275.29 H312W
- 275 ECKBLAD, I. M. Making bread can be fun. Hawaii. U. Agr. Ext. War Food Admin. C. 6, 8 p., processed. 1945. 275.29 H312W
- 276 ECKBLAD, I. M. Rolls, plain and fancy, (fancy breads). Hawaii. U. Agr. Ext. War Food Admin. C. 7, 5 p., processed. 1945. 275.29 H312W
- 277 ECKBLAD, I. M. Quick breads as you please. Hawaii. U. Agr. Ext. War Food Admin. C. 8, 5 p., processed. 1945. 275.29 H312W

Idaho University, College of Agriculture, Extension Service, Moscow

- 278 SHULL, W. E., MANIS, H. C., and HOLM, G. C. Grubs, Hypoderma, and lice on cattle. Idaho. Agr. Col. Ext. R. 155, 11 p. 1945. 275.29 Id13

Illinois University, College of Agriculture, Extension Service, Urbana

- 279 EVALUATING the health objective of 4-H Club work. Ill. Agr. Col. Ext. B-319, 3 p., processed. 1944. 275.29 IL62Pb
- 280 ANDERSON, A. T., and ROSS, R. C. Postwar farm jobs and farmers' purchase intentions. Ill. Agr. Col. Ext. C. 592, 47 p. 1945. 275.29 IL62C
- 281 DECKER, G. C. Hessian fly [Phytophaga destructor] conditions in Illinois for 1945. Ill. Agr. Col. Ext. NH-211, 2 p., processed. 1945. 275.29 IL62Pn
- 282 WEAVER, B. L., HUELSEN, W. A., and SOMERS, L. A. An Illinois garden guide. 32 p. Ill. Agr. Col. Ext., 1944? 275.2 IL62Igg

Indiana - Purdue University, Agricultural Extension Service, Lafayette

- 283 OUTLOOK for agriculture in the immediate post war period. Purdue. U. Agr. Ext. Econ. Inform. for Ind. Farmers, No. 29, 4 p. 1945. 275.29 In2Ec

Iowa State College of Agriculture, Agricultural Extension Service, Ames

- 284 THE ART of making your own slip covers. 8 p. Iowa. State Col. Agr. Ext., 1944. 275.2 Io92As
- 285 EASILY prepared meals. 8 p. Iowa. State Col. Agr. Ext., 1944. 275.2 Io92Ep
- 286 GROSS, B. J. Shirley Ann starts on the road to success: personal account book. 8 p. Iowa. State Col. Agr. Ext., 1944. 275.2 Io92Sa
- 287 GROSS, B. J. Wise ways in the use of money for Iowa 4-H girls. 12 p. Iowa. State Col. Agr. Ext., 1944. 275.2 Io92W1
- 288 GROSS, B. J. You and your personality. 8 p. Iowa. State Col. Agr. Ext., 1944. 275.2 Io92Yo
- 289 HOUSECLEANING can be fun! 11 p. Iowa. State Col. Agr. Ext., 1944. 275.2 Io92Hou



- 290 IOWA 4-H Club girls grooming. 24 p. Iowa. State Col. Agr. Ext., rev., 1944. 275.2 I92Iog
- 291 JONES, A. H. Youth in a changing world. 24 p. Iowa. State Col. Agr. Ext., 1944. 275.2 I92Y
- 292 NEW LIFE for floors and woodwork. 7 p. Iowa. State Col. Agr. Ext., 1944. 275.2 I92NL
- 293 REFINISHING and care of furniture. 8 p. Iowa. State Col. Agr. Ext., 1944. 275.2 I92Rf
- 294 REUPHOLSTERING. 8 p. Iowa. State Col. Agr. Ext., 1944. 275.2 I92Ru
- 295 SALADS for vitamins and health. 8 p. Iowa. State Col. Agr. Ext., 1944. 275.2 I92Sv
- 296 WALL finishes and care. 8 p. Iowa. State Col. Agr. Ext., 1944. 275.2 I92Wf

Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park

- 297 BETTER care of the home flock: a 4-H Club poultry project. 8 p. Md. Agr. Col. Ext., 1944. 275.2 M36Re
- 298 TEAM work wins: Maryland agriculture, 1944. Thirtieth annual report. 16 p. Md. Agr. Col. Ext., 1945. 275.29 M36

Massachusetts State College, Extension Service, Amherst

- 299 KLEIN, G. T. Poultry feeding. Mass. State Col. Ext. Leaflet 6, 15 p., rev. 1945. 275.29 M38LL
- 300 VONDELL, J. H. Chick production. Mass. State Col. Ext. Leaflet 237, 20 p. 1945. 275.29 M38LL

Michigan State College of Agriculture and Applied Science, Extension Division, East Lansing

- 301 MAY, C. O., and HAIST, A. H. Farm success factors, area 15, cattle, hay, and spring grains, 1943. Mich. State Col. Agr. Ext. F. M. 355, 12 p., processed. 1944. 275.29 M581
- 302 HAIST, A. H., and BOOKHOUT, B. R. Farm success factors, area 1, corn and livestock farming, 1944. Mich. State Col. Agr. Ext. F. M. 362, 16 p., processed. 1945. 275.29 M581
- 303 BOOKHOUT, B. R., and HAIST, A. H. Farm success factors, area 2, small grains and livestock, 1944. Mich. State Col. Agr. Ext. F. M. 363, 16 p., processed. 1945. 275.29 M581
- 304 WRIGHT, K. T., HAIST, A. H., and BOOKHOUT, B. R. Farm success factors, area 3, southwestern fruit and truck crops, 1944. Mich. State Col. Agr. Ext. F. M. 364, 16 p., processed. 1945. 275.29 M581
- 305 BOOKHOUT, B. R., and HAIST, A. H. Farm success factors, area 4, poultry, dairy and truck crops, 1944. Mich. State Col. Agr. Ext. F. M. 365, 16 p., processed. 1945. 275.29 M581
- 306 HAIST, A. H., and BOOKHOUT, B. R. Farm success factors, area 5, dairy and general farming, 1944. Mich. State Col. Agr. Ext. F. M. 366, 16 p., processed. 1945. 275.29 M581
- 307 HAIST, A. H., and BOOKHOUT, B. R. Farm success factors, area 6, dairy and cash crops, 1944. Mich. State Col. Agr. Ext. F. M. 367, 16 p., processed. 1945. 275.29 M581
- 308 BOOKHOUT, B. R., and HAIST, A. H. Farm success factors, area 7, dairy, hay, and special crops, 1944. Mich. State Col. Agr. Ext. F. M. 368, 16 p., processed. 1945. 275.29 M581
- 309 HAIST, A. H., and BOOKHOUT, B. R. Farm success factors, area 8, beans, sugar beets, and dairy, 1944. Mich. State Col. Agr. Ext. F. M. 369, 16 p., processed. 1945. 275.29 M581

- 310 BOOKHOUT, B. R., and HAIST, A. H. Farm success factors, area 9, cattle, sheep, and forage, 1944. Mich. State Col. Agr. Ext. F. M. 370, 16 p., processed. 1945. 275.29 M581
- 311 HAIST, A. H., and BOOKHOUT, B. R. Farm success factors, area 10, central potato and dairy, 1944. Mich. State Col. Agr. Ext. F. M. 371, 16 p., processed. 1945. 275.29 M581
- 312 WRIGHT, K. T., HAIST, A. H., and BOOKHOUT, B. R. Farm success factors, area 11, northern fruit and dairy, 1944. Mich. State Col. Agr. Ext. F. M. 372, 16 p., processed. 1945. 275.29 M581
- 313 BOOKHOUT, B. R., and HAIST, A. H. Farm success factors, area 12, northern potato and dairy, 1944. Mich. State Col. Agr. Ext. F. M. 373, 16 p., processed. 1945. 275.29 M581
- 314 BOOKHOUT, B. R., and HAIST, A. H. Farm success factors, area 14, cattle, potatoes, and self-sufficing, 1944. Mich. State Col. Agr. Ext. F. M. 374, 16 p., processed. 1945. 275.29 M581
- 315 HAIST, A. H., and BOOKHOUT, B. R. Farm success factors, area 15, cattle, hay, and spring grains, 1944. Mich. State Col. Agr. Ext. F. M. 375, 16 p., processed. 1945. 275.29 M581
- 316 BOOKHOUT, B. R., and HAIST, A. H. Farm success factors, area 16, dairy and potatoes, 1944. Mich. State Col. Agr. Ext. F. M. 376, 16 p., processed. 1945. 275.29 M581
- 317 BOOKHOUT, B. R., and HAIST, A. H. Farm success factors, area 17, potatoes, dairy, and part time, 1944. Mich. State Col. Agr. Ext. F. M. 377, 16 p., processed. 1945. 275.29 M581

Minnesota University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

- 318 COOKE, C., and GOODWIN, N. J. 4-H poultry project. Minn. U. Agr. Ext. 4-H B. 22, rev., 8 p. 1944. 275.29 M662M

Missouri University, College of Agriculture, Agricultural Extension Service, Columbia

- 319 KEMPSTER, H. L. The Missouri poultry house. Mo. Agr. Col. Ext. C. 334, rev., 8 p. 1945. 275.29 M69C

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

- 320 LARSEN, L. F. Some made post hole diggers. Nebr. Agr. Col. Ext. Agr. Engin. Inform. Ser. 22 [i.e. 26], 12 p., processed. 1945. 275.29 N272Age
- 321 MUMA, M. H. DDT as a household insecticide. Nebr. Agr. Col. Ext. C. 1534, 3 p., processed. 1945. 275.29 N272Ex
- 322 BARE, O. S. Common stalk borer [Papaipema nebris]. Nebr. Agr. Col. Ext. C. 1535, 2 p., processed. 1945. 275.29 N272Ex
- 323 MUMA, M. H. Several scale insects [Coccidae], affecting shade trees in Nebraska. Nebr. Agr. Col. Ext. C. 1536, 3 p., processed. 1945. 275.29 N272Ex

Nevada University, College of Agriculture, Agricultural Extension Service, Reno

- 324 MENKE, M. W. The Nevada 4-H Club garden book. Nev. Agr. Col. Ext. B. 88, rev., 96 p. 1944. 275.29 N41
- 325 NEVADA boys and girls produce for victory through 4-H Club work. 6 p. Nev. Agr. Col. Ext., 1945? 275.2 N41N



New Jersey State College of Agriculture and Mechanic Arts, Extension Service, Rutgers University, New Brunswick

- 326 GARRISON, C. S., and SNELL, R. S. Better crops of winter barley. N. J. Agr. Col. Ext. B. 240, 7 p. 1945. 275.29 N46
- 327 NEW JERSEY special record book for 4-H home gardens. 3 p., processed. N. J. Agr. Col. Ext., 1945. 275.2 N46Ne

New Mexico College of Agriculture, Extension Service, State College

- 328 HAUKO, M. The Pecos Valley irrigated districts, New Mexico. 13 p., processed. N. Mex. Agr. Col. Ext., 1944. 275.29 N463Pe  
Farming information for veterans.

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

- 329 SOYBEANS: an old food in a new world. N. Y. Agr. Col. Cornell Ext. B. 668, 65 p. 1945. 275.29 N48E
- 330 WRIGHT, F. E. Three centuries of furniture. N. Y. Agr. Col. Cornell Ext. B. 672, 66 p. 1945. 275.29 N48E
- 331 SHEPARDSON, E. S. Protection for electric motors. N. Y. Agr. Col. Cornell Ext. B. 673, 12 p. 1945. 275.29 N48E
- 332 COMSTOCK, R. B. Cane seats for chairs. N. Y. Agr. Col. Cornell Ext. B. 681, 7 p. 1945. 275.29 N48E
- 333 COMSTOCK, R. B. Splint seats for chairs. N. Y. Agr. Col. Cornell Ext. B. 682, 10 p. 1945. 275.29 N48E
- 334 PALMER, E. L. Outdoor laboratories and teachers' organizations. N. Y. Agr. Col. Ext. Cornell Rural School Leaflet. v. 39, No. 1, 63 p. 1945. 275.29 N48R

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

- 335 WILSON, S. V., and THOMAS, M. E. 4-H health improvement. N. C. Agr. Col. Ext. 4-H Club Ser. 41, 4 p. 1945. 275.29 N811C
- 336 SWAIN, V. S. Let's have a community Christmas party. N. C. Agr. Col. Ext. Misc. Pam. 95, 14 p., processed. 1945. 275.29 N811C
- 337 THOMAS, M. E., and WILSON, S. V. How to use uncommon vegetables. N. C. Agr. Col. Ext. Misc. Pam. 96, 4 p. 1945. 275.29 N811M

South Carolina, Clemson Agricultural College, Extension Service, Clemson

- 338 GOOD safe farming. Clemson Agr. Col. S. C. Ext. C. 274, 6 p. 1945. 275.29 S08E

Virginia Agricultural and Mechanical College and Polytechnic Institute, Agricultural Extension Division, Blacksburg

- 339 JAMISON, R. Remodeling, repairing and refinishing furniture. Va. Agr. Col. Ext. B. 149, rev., 15 p. 1944. 275.29 V81B
- 340 JAMISON, R. Housekeeping manual: Virginia 4-H and home demonstration programs. Va. Agr. Col. Ext. B. 155, rev., 19 p. 1945. 275.29 V81B
- 341 JAMISON, R. Storage spaces. Va. Agr. Col. Ext. Manual MK-11, 15 p., processed. 1944. 275.29 V81M

West Virginia University, College of Agriculture, Agricultural Extension Service, Morgantown

- 342 BOAL, R. S. Economic aspects of cauliflower production in Canaan Valley, West Virginia. W. Va. Agr. Col. Ext. C. 343, 7 p. 1945. 275.29 W522C
- 343 WEST VIRGINIA'S leaders' training center, the State 4-H camp at Jackson's Mill under the direction of the Extension Service, College of Agriculture, West Virginia University. 12 p. W. Va. Agr. Col. Ext., 1945. 275.2 W52Wvc

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

- 344 LAROCK, M. J., and HAYES, J. B. Poultry housing for the laying flock. Wis. Agr. Col. Ext. C 362, 24 p. 1945. 275.29 W75C
- 345 WISCONSIN farm production prospects for 1946. Wis. Agr. Col. Ext. Econ. Inform. for Wis. Farmers, v. 16, No. 7-8, 7 p. 1945. 275.29 W75Ec
- 346 FISHER, E. H., and FLUKE, C. L. DDT: its present uses and limitations. 8 p., processed. Wis. Agr. Col. Ext. Spec. C., 1945. 275.29 W75S
- 347 PIT STORAGE of potatoes. 1 p., processed. Wis. Agr. Col. Ext. Spec. C., 1945. 275.29 W75S
- 348 MOORE, J. G. Lawns. Wis. Agr. Col. Ext. Stencil C. 244, 18 p., processed. 1945. 275.29 W75B
- 349 YOU TOO can have a 4H Club. 6 p. Wis. Agr. Col. Ext., 1945? 275.2 W75Y

Wyoming University, College of Agriculture, Agricultural Extension Service, Laramie

- 350 BOYD, C. W. Produce high quality hay. Wyo. Agr. Col. Ext. C. 85, 18 p. 1945. 275.29 W99C
- 351 LYNDE, L. A. The family's baby. Wyo. Agr. Col. Ext. C. 86, 8 p. 1945. 275.29 W99C
- 352 SMITH, E. J. My child likes to eat, does yours? Wyo. Agr. Col. Ext. C. 87, 7 p. 1945. 275.29 W99C
- 353 FACTS about Wyoming soil conservation districts. Wyo. Agr. Col. Ext. C. 89, 15 p. 1945. 275.29 W99C

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except restricted publications, not included in the foregoing sections, which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

- 354 AULL, G. H., and STEPP, J. M. Anderson after the war; a report to the Anderson, S. C., Chamber of Commerce Post-war Planning Committee. 46 p. n. p., 1945. 280.077 Au5  
Includes purchasing power, consumer demand, and farmer demand.
- 355 AUSTRALIA. DEPT. OF POST-WAR RECONSTRUCTION. Post-war discussion notes; people, 1-4. 4 Nos. Canberra, 1944? 280.1992 Au75P
- 356 BOOTHE, V., and ARNOLD, S. Seasonality of employment in Ohio. 247 p. Columbus? Bur. of Business Res., Ohio State U., 1944. 283 B64  
Tables include agriculture by counties.
- 357 BRITISH INFORMATION SERVICES. Whitechester, England, a town at war. 40 p. N. Y., 1945. 280.171 B774W  
Brief account of agriculture.



358 BUCHANAN, N. S. International investment and domestic welfare; some aspects of international borrowing and lending in the post-war period. 248 p. N. Y., Holt, 1945. 284 B853

List of works cited, p. 241-244.

Notes problems in the industrialization of agricultural areas, p. 86-88, and United States production of various crops, p. 176.

359 CALIFORNIA. STATE CHAMBER OF COMMERCE. California yesterday, today, tomorrow. 31 p. San Francisco, 1945. 280.010 C126

Includes agriculture, forestry, and economic trends.

360 CANADA. DEPT. OF NATIONAL HEALTH AND WELFARE. Family allowances, a children's chapter. 17 p. Ottawa, Cloutier, 1945? 282 C164

361 CHIARINO, J. V., and SARALEGUI, M. Detrás de la ciudad; ensayo de síntesis de los olvidados problemas campesinos. 439 p. Montevideo, Impresora Uruguaya, 1944. 281.167 C43

Economic and social conditions.

362 COLE, G. D. H. A century of co-operation. 428 p. Manchester, Eng., Coop. Union, 1945? 280.2 C67

Includes agricultural cooperatives.

363 COLORADO. POST-WAR AGRICULTURAL COMMITTEE. What about post-war agriculture in Colorado? 19 p. Denver, 1945. 280.011 C713

Summary of Report by the Committee.

364 CONFERENCIA INTERAMERICANA DE AGRICULTURA, 3, CARACAS, 1945. COMITE ORGANIZADOR. Cooperación agrícola interamericana SCIPA. 71 p. Caracas, Crisol, 1945. (Cuadernos Verdes, No. 37) 280.2 In88

365 CONSEJO INTERAMERICANO DE COMERCIO Y PRODUCCIÓN. Recopilación de sus acuerdos y recomendaciones; primer cuaderno: acta de constitución y normas. 48 p. Montevideo, 1945. 280.9 C7614

366 CONSEJO INTERAMERICANO DE COMERCIO Y PRODUCCIÓN. Recopilación de sus acuerdos y recomendaciones; segundo cuaderno: programas de habilitación, producción agraria, forestal y pesquera. 94 p. Montevideo, 1945. 280.9 C7614

Includes recommendations for various aspects of agriculture.

367 DALISAY, A. M., ZAFRA, U. A., and ROTOR, A. B. Certain phases of Philippine relief and rehabilitation. Report of the Technical Committee to the President of the Philippines. 194 p., processed. Washington, D. C., 1945. Ref. (TC-2) 280.9 P532

368 FÉLICE, P. DE. Les droits de la famille rurale; établissement des ménages ruraux; allocations familiales; sauvegarde du bien successoral. 62 p. Paris, Marchal, 1941? 281.2 F33

369 FORDHAM, M. The restoration of agriculture; a short explanation of facts, issues and action needed. 27 p. London, Staples Press, 1945. 281.171 F75R

370 GARVER, E. S., and FINCHER, E. B. Puerto Rico; unsolved problem. 110 p. Elgin, Ill., Elgin Press, 1945. 280.14 G19

Includes agricultural, economic, and social conditions.

371 HOOVER, C. B. International trade and domestic employment. 177 p. N. Y., McGraw-Hill, 1945. (Com. Econ. Developmt. Res. Study) 286 H76

372 HOWENSTINE, E. J., ed. Post-war markets; a guide based upon official information prepared by the Bureau of Foreign and Domestic Commerce. Foreword by A. E. Taylor. 184 p. Washington, D. C., Pub. Aff. Press, 1945. 280.32 H83

373 LYLE, M. S. Adult education for democracy in family life. 161 p. Ames, Iowa State Col. Press, 1944. Ref., p. 131-132. 275 L98

Thesis (Ph.D.)--Ohio State Univ., 1942.

Chapter IV is Democracy in the Family Life of a Rural Community in Iowa.

374 MENZIES-KITCHIN, A. W. The future of British farming. 64 p. London, Pilot Press, 1945. (Target for Tomorrow Ser.) 281.171 M52

Agricultural policy, statistics, war organization, the economics of agriculture, and land utilization.

375 MEREDITH PUBLISHING COMPANY. RESEARCH DIVISION. Purchasing and manufacturing by farm cooperatives. 51 p., processed. Des Moines, 1945. (Successful Farming. Spec. Rpt.) 280.2 M54

376 NEW HAMPSHIRE. COUNCIL ON POSTWAR PLANNING AND REHABILITATION. Report. 49 p. Concord, 1944. 280.7 N454

Includes agriculture.

377 NEW HAMPSHIRE. STATE PLANNING AND DEVELOPMENT COMMISSION. The Great Bay plan; a report to the 1945 legislature. 59 p. Concord, 1945. 280.7 N453G

Includes land utilization.

378 NEW ZEALAND. CENSUS AND STATISTICS DEPT. Population census, 1936; vol. XII - Incomes. 110 p. Wellington, 1945. 271.2 C33C

Includes income in various branches of agriculture.

379 NOVA SCOTIA. ROYAL COMMISSION ON PROVINCIAL DEVELOPMENT AND REHABILITATION. Report. 2 v. Halifax, N. S., King's Printer, 1944. 280.134 N852

Includes agriculture and forestry.

380 PHILLIPS, H. A. Brazil; bulwark of inter-American relations. 228 p. N. Y., Hastings House, 1945. 280.163 P54

Includes agricultural production, economic and social conditions, and trade.

381 PUERTO RICO. GOVERNOR (R. G. TUGWELL). Message... to the 16th Legislature at its 1st regular session, Feb. 13, 1945. 47 p. San Juan, 1945. 1.9 Ag8637

In English and Spanish.

Discusses the position of the farmer and suggests creation of a new Agricultural Development Company.

382 RALSTON, J. H. Confronting the land question. 104 p. Bayside, N. Y., Amer. Assoc. for Sci. Taxation, 1945. 284.5 T13C

The single tax, including its application to farm land.

383 SALCEDO, J., JR. Program and estimated requirements for welfare services in the Philippines. Report of the Technical Committee to the President of the Philippines. 68 p., processed. Washington, D. C., 1944. (TC-3) 280.9 P532

384 SASKATCHEWAN. RECONSTRUCTION COUNCIL. Report. 269 p. Regina, MacConica, 1944. 280.137 Sa763

Pt. V is Agriculture.

App. 3, A study of crop insurance, by R. E. Motherwell, 67 p.; App. 5, Industrial utilization of farm products in Saskatchewan, by L. E. Kirk, 85 p.

385 UGANDA. STANDING FINANCE COMMITTEE. Joint report of the Standing Finance Committee and the Development and Welfare Committee on Post-War Development. Ed. 2, 153 p. Entebbe, Govt. Printer, 1945. 280.19 Ugl

Appendix E is An Outline of Post-War Development Proposals including agriculture, forestry, public health, and social services.

386 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. Differential fertility 1940 and 1910. Women by number of children ever born. 410 p., processed. Washington, 1945. 157.4 C182Dwc

Includes rural areas.

387 U. S. BUREAU OF THE CENSUS. Sixteenth census of the United States: 1940. Population. Education. Educational attainment of children by rental value of home. 50 p., processed. Washington, 1945. 157.4 C162Eda

Includes rural areas.

388 U. S. BUREAU OF THE CENSUS. United States foreign trade statistical publications; monthly reports starting with statistics for January 1945. 16 p., processed. Washington, 1945. 157.41 Un38



388 U. S. CONGRESS. SENATE. COMMITTEE ON NAVAL AFFAIRS. Miscellaneous bills. Hearing...79th Cong., 1st sess. on...S. 1362, to authorize the Secretary of the Navy to transfer land for resettlement in Guam and for other purposes. Sept. 25, 1945, p. 14-17. Washington, 1945.

390 U. S. CONGRESS. SENATE. COMMITTEE ON PUBLIC LANDS AND SURVEYS. Administration and use of public lands. Hearings...79th Cong., 1st sess., pursuant to S. Res. 241 (76th Congress - Extended by S. Res. 139, 79th Congress)...Pt. 16-17, p. 5079-5293. Phoenix, Ariz., May 10 and 11, 1945, Albuquerque, New Mexico, May 14 and 15, 1945. Washington, 1945.

391 U. S. GENERAL ACCOUNTING OFFICE. Report on Commodity Credit Corporation inventory under basic commodity programs. 89 p., processed. Washington, 1945. 151.491 R29R

392 U. S. INFORMATION SERVICE. SPECIAL PROJECTS DIVISION. Background on U. S. I. S. participation in Italian National Agricultural Congress. 6 p., processed. Rome, 1945. 173.2 In3B

393 VENEZUELA. MINISTERIO DE FOMENTO. DIRECCIÓN GENERAL DE ESTADÍSTICA. Séptimo censo nacional de población levantado el 7 de diciembre de 1941; tomo II; Estados Apure, Aragua, Barinas y Bolívar. 607 p. Caracas, 1945. 255.9 Es8Cp

Includes rural population.

394 VOGT, P. L. The people's purse and full employment. 41 p. N. Y., Island Workshop Press, 1945. 280.12 V86

Contains sections on agriculture, food expenditures, and purchasing power of farmers.

395 WAR ADVERTISING COUNCIL. Sound the call to farms! Helps for recruiting local emergency farm workers in 1945. 22 pieces in folder. Washington, D. C., 1945. 283 W19S0

U. S. War Food Administration and Office of War Information cooperating.

396 WAR ADVERTISING COUNCIL. Sound the call to farms! Our farmers must have 4 million emergency workers to meet food demands for 1945! 12 p. Washington, D. C., 1945. 283 W19S

U. S. Office of War Information cooperating.

397 YANG, M. C. A Chinese village; Tsiton, Shantung Province. 275 p. N. Y., Columbia U. Press, 1945. 281.2 Y1

#### AGRICULTURAL ENGINEERING

398 IBRÍAEV, I. M., and ANTONÍUK, A. A. Ispol'zovanie teplovyykh otkhodov promyshlennosti v ovoshchevodstve [Utilization of industrial heat wastes for cultivation of vegetables]. 109 p. Moskva, "Sel'-khozgiz," 1940. 90.14 Ib7

399 MACDONALD, D. K. Fibres, spindles and spinning-wheels. 49 p., processed. Toronto, Royal Ontario Museum of Archeology, 1944. 304 M14

400 NATIONAL MASTER OF SCIENTIFIC AND SPECIALIZED PERSONNEL. Handbook of description of specialized fields in agricultural engineering. 7 p., processed. Washington, U. S. War Manpower Comm., Bur. of Placement, 1944. 173.4 W1932Ha

401 SHUMSKIY, D. V. Elevatorno-skladskoe khoz'yaistvo [Grain elevator economy]. 2 v. Moskva, Zagotizdat, 1940-1941. 291 Sh9

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

402 ANIMAL GLUE INFORMATION SERVICE. Uses of animal glue, the standard of all adhesives. sheet. N. Y., 1945. 309 Ar5

403 ARAGÓN LEIVA, P. Conservación de frutas y legumbres. 246 p. México, D. F., B. Trucco, 1944. 389.3 Ar12

404 AUERBACH, A. OPA and its pricing policies. 76 p. N. Y., Fairchild Pub. Co., 1945. 284.3 Au3

405 COOPERATIVA NACIONAL DEL ARROZ. El por qué de la Cooperativa Nacional del Arroz. 12 p. Valencia, Spain, Vila, 1945. 280.259 C78

406 COTTON-TEXTILE INSTITUTE, INC. The base period problem of the cotton-textile industry. 31 p., processed. N. Y., 1944? 304 C82B

Profits of the industry during 1936-1939, with statistics.

407 HERRING, H. L. North Carolina's new industrial opportunity. 32 p. Raleigh? N. C. State Planning Bd., 1945. 280.7 N819N

Includes industrial utilization of agricultural products.

408 ILLINOIS. UNIVERSITY. COLLEGE OF AGRICULTURE. Preserving fruits & vegetables; canning; salt-ing; freezing; storing; with suggestions for preparing vegetables for the table. 32 p. Chicago, Natl. Victory Gard. Inst., 1945. 389.3 IL6

409 LOCKWOOD, J. F. Flour milling. 511 p. Liverpool, Northern Pub. Co. Ltd., 1945. 298 L81F

410 LOCKWOOD, J. F. Provender milling; manufacture of feeding stuffs for livestock. Ed. 2, 372 p. Liverpool, Northern Pub. Co., Ltd., 1945. 298 L81

411 MATHER, W. H. Wool; Australia's great awakening. 120 p. Sydney, Angus and Robertson, 1944. 281.745 M42

412 PILLSBURY MILLS, INC. RESEARCH DEPT. Conversion factors and technical data of the industry. 500 p., processed. Minneapolis, 1945. 298 P64

413 SPAIN. COMISARÍA GENERAL DE ABASTECIMIENTOS Y TRANSPORTES. Comisaría General de Abastecimientos y Transportes. 38 p. Madrid, Ministerio de Industria y Comercio, 1945. 389.9 Spl

Statistical.

414 U. S. FOREIGN ECONOMIC ADMINISTRATION.

BUREAU OF AREAS. Commodity compendium. 245 p., processed. Washington, 1945. 173.4 F76Co

Prepared by Program Staff, British Empire and Middle East Branch.

Gives information for preparation of statements of requirements to be presented to the Foreign Economic Administration. Food products included, p. 201-222.

415 U. S. INSTITUTE OF INTER-AMERICAN AFFAIRS. How to tan hides. 41 p., processed. Washington, 1944? 173.3 In83H

#### ANIMAL INDUSTRY

416 ANDERSON, J. The semen of animals and its use for artificial insemination. 151 p. Edinburgh, Oliver and Boyd, 1945. Ref. (Imp. Bur. of Anim. Breeding and Genet. Tech. Commun.) 40 Am23

417 ARAGÓN LEIVA, P. Cartilla de avicultura. Ed. 4, rev. and enl., 596 p. México, D. F., B. Trucco, 1944. Ref. 47 Ar1

418 COFFIN, D. L. Manual of veterinary clinical pathology. Rev. and amplified, 263 p. Ithaca, Comstock Pub. Co., 1945. (Comstock Series in Veterinary Medicine) 41 C65

References at end of most chapters.

419 DEAKIN, A. Animal genetics and the inhibiting factor hypothesis. 24 p. Westboro, Ont., 1945. Ref. 443 D54

420 DEAKIN, A. Identical cattle twins and causes of spotted patterns. 16 p. Westboro, Ont., 1944. Ref. 443 D54I

421 DOLLAR, J. A. W. Dollar's veterinary surgery; general, operative, & regional; edited by J. J. O'Connor. Ed. 3, 990 p. London, Baillière, 1945. 41 D69D

422 GREENFIELD, H. Your dog in the city. 117 p. N. Y., Crown, 1945. 43 G83

423 HENRY, M. Justin Morgan had a horse; illustrations by W. Dennis. 89 p. Chicago, Wilcox & Follett Co., 1945. 42 H392

Fictionized juvenile account of the Morgan breed.



424 HODGSON, R. G. Raising fur rabbits. Ed. 2, 148 p. Toronto, Fur Trade J. of Canada, 1944. 40.2 H66

425 OSWALD, A. L. Superior sires, 1945. 91 p. Hutchinson, Kans., Midwest Livestock Press, 1945.

43 Os9  
Analysis of the records of 167 Jersey bulls.

426 REIS, R. H. Manual of frog and chick development. 46 p., processed. Milwaukee, Marquette U., 1945. Ref. 442 R273

Embryology of the chick, p. 23-46.

427 SHTĖIMAN, S. I. Kak sozdano rekordnoe karavaevskoe stado. 110 p. Moskva, "Sel'khozgiz," 1940. (Moscow. Vsesoyuznaya Sel'skokhozyaistvennaya Vystavka, 1939-1941) 43 Sh8

Creation of the record dairy herd on the Karavaevo state farm.

428 VSĖAKIKH, A. S., KVITKO, P. N., and KVITKO, A. Z. Auliĕatinskii skot i plemennaya rabota s nim [Auliĕatinsk dairy cattle and their breeding]. 105 p. Frunze, Kirgizskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva, 1944. Ref. 43 V96A

429 VSĖAKIKH, A. S. Metizatsiya kirgizskogo skota shvitsami [Cross-breeding of Kirghiz cattle with Brown Swiss cattle]. 112 p. Frunze, Kirgizskoe Gosudarstvennoe Izdatel'stvo, 1941. (Kirgizskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva) Ref. 43 V96M

430 WARTIME SWINE INDUSTRY COUNCIL. Wartime swine industry program. 16 p. Chicago? 1945? 46 W26

#### ENTOMOLOGY

431 BURNET, F. M. Virus as organism; evolutionary and ecological aspects of some human virus diseases. 134 p. Cambridge, Mass., Harvard U. Press, 1945. (Harvard University Monographs in Medicine and Public Health) 448.2 B932V

Contains material on insects and disease.

432 CALIFORNIA. LEGISLATURE. ASSEMBLY. Interim committee to inquire into the possibilities of silk production and industry in California. Report to the Assembly, California Legislature, fifty-sixth session. 24 p. Sacramento, 1945. 425 C122

433 COMMITTEE FOR THE COORDINATION OF ENTOMOLOGY WITH THE WAR EFFORT. War on insects. 16 p. Madison, Wis., 194-?. 423 C73

Prepared by the Milk sub-committee.

Pest problems of the dairy industry.

434 HERCE, P. Analisis de insecticidas. 163 p. Madrid, Instituto Nacional de Investigaciones Agronómicas, Sección de Fitopatología Agrícola, 1945. 387.1 H41

435 HOVASSE, R. Travaux divers 1939-1944. (Protistologie et biologie générale.) 1940-1943. 442 H822

Eight separates in 1 v.

Partial contents: Le pou de San-José [Aspidiotus perniciosus], menace les arbres fruitiers de l'Auvergne. 7 p.; Transformisme ou fixisme: Comment concevoir l'évolution? 12 p.

436 LEFIGRE, A. L. Les nouvelles méthodes insecticides et les épidémies. 14 p. Alger, 1944. (Publications du Centre National de la Recherche Scientifique) 423 L552

Use of fumigants against insects of medical importance.

437 LEVÍ CASTILLO, R. Los anofelinos de la República del Ecuador. v. 1, 172 p. Guayaquil, Senefelder, 1945. 428 L572

438 LIMA, A. DA C. Insetos do Brazil. V. 5. Lenidópteros. Pt. 1. 379 p. Rio de Janeiro, Imprensa Nacional, 1945. (Escola Nacional de Agronomia. Série Didáctica, No. 7) 422.3 C821

439 ROSENTHAL, W., and ORTEGA, J. A. Investigación discusión y control de las propiedades químicas, físicas y fisiológicas de soluciones garrapaticidas. 44 p. Caracas, "Crisol," 1945. (Conferencia Interamericana de Agricultura, 3, Caracas, 1945. Comité Organizador. Cuadernos Verdes, No. 36) 434 R72

English summary.

440 VÉLAZ DE MEDRANO, L. La hidrobiología en Galicia. Conferencia dada con ocasión del Congreso Agrícola de Galicia, celebrado en Santiago de Compostela 26 - Octubre - 1944. 46 p. Madrid, Instituto Forestal de Investigaciones y Experiencias, 1944. 409 V54

Includes information on aquatic insects.

#### FOOD AND HUMAN NUTRITION

441 ADAMSON, J. D., and others. Medical survey of nutrition in Newfoundland. 32 p. Toronto, Murray, 1945. Ref. 449.1 M46

N. Jolliffe, H. D. Kruse, O. H. Lowry, P. E. Moore, B. S. Platt, W. H. Sebrell, J. W. Tice, F. F. Tisdall, R. M. Wilder, and P. C. Zamecnik, joint authors.

442 GREAT BRITAIN. MINISTRY OF FOOD. SCIENTIFIC ADVISER'S DIVISION. Manual of nutrition. 64 p. London, H. M. Stationery Off., 1945. 389.1 G789  
Compiled by Dr. Magnus Pyke.

443 HAMPSON, J. The English at table. 47 p. London, Collins, 1944. (Britain in Pictures) 389 H18

444 HEATH, A. Good food; month by month recipes. 279 p. London, Faber, 1944. 389.25 H352Gfm

445 HEATH, A. Good soups. 120 p. London, Faber, 1945. 389.25 H352Gs

446 MIDDLE AMERICA INFORMATION BUREAU. Recipes from Middle America's Kitchen. 14 p. N. Y., 194-? 389.25 M584

447 TEXAS STATE NUTRITION COUNCIL. By-laws. 5 p., processed. n. p., 1945. 289.9 T312

448 WINTER, P. Recipe magic. 48 p. Canaan, Conn., House of Herbs, Inc., 1944. 389.25 W732  
Herb cookery.

#### FORESTRY

449 AMERICAN SOCIETY OF MECHANICAL ENGINEERS. WOOD INDUSTRIES DIVISION. Papers contributed by the Wood Industries Division of A. S. M. E. 32 p. New York, Amer. Soc. Mech. Engin., 1945. 99.77 Am3

Contents: Compreg as a laminated wood and as a plastic, by J. F. Dreyer; Postwar availability and use of wood, by F. J. Hanrahan; The microstructure of high-density plywood, by W. M. Harlow; A lightweight floor for airplanes, by J. R. Fitzpatrick; New materials will supplant so-called prefabrication, by R. L. Davison; Shear strength of glue joints as affected by wood surfaces and pressures, by J. W. Maxwell; Resistance of common hardwoods to compression perpendicular to the grain, by E. G. Stern.

450 AMERICAN WALNUT MANUFACTURERS ASSOCIATION. Growing walnut [Juglans nigra] for profit. 12 p. Chicago, 1945. 99.47 Am33

451 ARNOULET, M. L'exploitation forestière; abatage et conditionnement des bois de feu, récupération des petits bois. 135 p. Paris, Sennac, 1944. 99.75 Ar6

452 BEEBE, C. E. Project proposal for the Charles Lathrop Pack Forestry Foundation. The opportunity for forest farming. Rev., 4 p., processed. Washington? D. C., 1945. 99.55 B393

453 DAVEY, R. Scheme for pooling tree measurements. 7 p. Nutley, Sussex, Eng., Forest Press, 1942. 99.4 D272



454 FERNÁNDEZ GARCÍA, A., and TORRICELLI DÍAZ, E. Tablas madereras con un apéndice sobre legislación forestal. 161 p. Santiago, Chile, Kegan, 1944. 99.4 F39

Chiefly conversion tables.

455 FOREST INDUSTRIES INFORMATION COMMITTEE. Forest facts, Minnesota. 15 p., processed. n.p., 1945. 99.73 F76

456 FRENCH SUPPLY MISSION. Statistics and studies on French wood and forests. 232 p., processed. Washington, D. C., 1944. 99.73 F88

457 LOYETTE, J. La France économique au tournant; hier, aujourd'hui, demain, contributions à un avenir meilleur. Le commerce et l'industrie du bois aux mêmes époques. 141 p. Bordeaux, Éditions Delmas, 1944. 280.174 L95

458 MATTHEWS, D. M., and WILLARD, J. A. Pre-planning of logging operations for minimum costs. 20 p., processed. N. Y. 7 1944? 99.76 M43F

459 SHEA, J. G., and WÉNGER, P. N. Woodworking for everybody. 187 p. Scranton, Pa., Internatl. Textbook Co., 1944. (The Arts and Indus. Ser.) 99.77 Sh3

460 WHALLEY, M. E. Abstracts on utilization of sawdust. 103 p., processed. Ottawa, Natl. Res. Council of Canada, 1945. (N. R. C. No. 1285) 241.64 N21Abs

461 YUSEKHEVICH, H. Tree shelterbelts on subtropical plantations. (Translation from the Russian language.) 3 p., typewritten. 1945. Translation 5942

From *Sotsialisticheskoe Zemledeliye*, Oct. 2, 1945.

#### PLANT SCIENCE

462 BOGUSCH, E. R. Keys to 2500 Texas plants. 226 p., processed. Kingsville, Tex., Tex. Col. of Arts and Indus., 1945. 455.63 B63

463 CALCUTTA, ROYAL BOTANIC GARDEN. The 150th anniversary volume of the Royal Botanic Garden, Calcutta. 301 p. Alipore, Bengal Govt. Press, 1942. 460.1? C12

Articles in this book are listed in the Periodical Section of this Bibliography.

464 CIFERRI, R., and GARAVINI, M. I cereali dell'Africa Italiana. III. I frumenti oasicoli del Sahara libico. 155 p. Firenze, R. Istituto Agronomico per l'Africa Italiana, 1941. (Biblioteca Agraria Coloniale) 59 C482

465 CLARK, M. Did you know? Hawaiian, Island vegetation for the man on the street. 72 p. Honolulu, Hawaii, Printed by Advertiser Pub. Co., Ltd., 1944. 460.53 C54

466 CONARD, H. S. How to know the mosses, pictured-keys for determining many of the North American mosses and liverworts, with suggestions and aids for their study. 166 p. Mt. Pleasant, Iowa, H. E. Jaques, 1944. 461.3 C74

467 COOK, R. A. Gardening month by month (for north and south). 12 p. St. Albans? Eng., Northumberland Press, 1945? 91.15 C77

468 DEAKIN, A. Causes of color patterns in plants and an inhibiting factor hypothesis. 24 p. Westboro, Ont., 1944. 463.6 D34

469 FARRINGTON, E. I. The gardener's almanac. Ed. 5, rev., 146 p. N. Y., Oxford U. Press, 1945. 90.04 F24

470 GEISER, S. W. Horticulture and horticulturists in early Texas. 100 p. Dallas, U. Press in Dallas, South. Methodist U., 1945. Ref. 93.05 G27  
Some Texas horticultural journals (1868-1907), p. 24-26.

471 GRAVES, G. Trees, shrubs, and vines for the northeastern United States. 267 p. N. Y., Oxford U. Press, 1945. 97.3 G78

472 HUEBSCHER, A. Die soja; ihre kultur, verwendung, zukunft! 52 p. Grenchen, Switz., Niederhäuser, 1943? 60.3 H87

473 NATIONAL ROSTER OF SCIENTIFIC AND SPECIALIZED PERSONNEL. Handbook of descriptions of specialized fields in horticulture. 8 p., processed. Washington, U. S. War Manpower Comm., Bur. of Placement, 1945. 173.4 W1932Hh

474 NEDERLANDSCHE HEIDEMAATSCHAPPIJ. Handboek voor de populierenteelt. 231 p. Wageningen, Veenman, 1941. 99.35 N28

Taxonomy, culture, pests, and diseases.

475 NORTHROP, KING, & CO., MINNEAPOLIS. Handbook for the garden; cultural information on vegetables, flowers, bulbs, shrubs, fruits. 47 p. Minneapolis, 1944. 90 N81

476 RICHARDS, A. A. Tomato and cucumber culture. 127 p. London, Collingridge, 1945. 91.58 R39

477 ROSENGURTT, B. Estudios sobre praderas naturales del Uruguay. Pt. 3, 281 p. Montevideo, Casa A. Barreiro y Ramos S. A., 1943. Ref. 60.1 G13

Contents: La estructura y el pastoreo de las praderas en la región de Palleros; Flora de Palleros.

478 SETTY, L. R. Laboratory problems in general botany. 46 p., processed. Minneapolis, Minn., Burgess Pub. Co., 1945. 463.1 Se7

#### SOILS AND FERTILIZERS

479 ALBARRERA HERRERA, J. M. El suelo; estudio físico-químico y biológico de su formación y constitución. 485 p. Madrid, Sociedad Anónima Española de Traductores y Autores, 1940. 56 A11

480 BERIÁ, N. T. Spособy vnesenija fosforitnoi muki [Methods of applying phosphorite flour]. 127 p. Tbilisi, "Zaria vostoka," 1944. 57.24 B45

481 CAYEUX, L. Les phosphates de chaux sédimentaires de France (France métropolitaine et d'outremer). v.1, 349 p. Paris, Imprimerie Nationale, 1939. (France. Service des Topographies Souterraines. Études des Gîtes Minéraux de la France.) 398 C31

482 PETER, C. How about our fertilizer program and our health program? 46 p. Salt Lake City, Utah, 1944? (His Publications, No. 2) 57.6 P44

483 U. S. COAST GUARD. OFFICE OF COMMANDANT. Flood relief operations plan, Ohio-Mississippi River Valley. 78 p. Washington? 1944. 151.291 F65  
Accompanied by Supplement, pt. 1-3.

484 VIL'JAMS, V. R., and BURSKIY, M. I., eds. Istoriya plodorodiya pochv [History of soil fertility]. Pt. 1, 413 p. Moskva, 1940. (Akademiya Nauk. Istoriya Agricul'tury. Vyp. 3) 56 V711  
N. I. Savvinov, compiler.

#### MISCELLANEOUS

485 AKADEMIYA NAUK. Ocherki po istorii Akademii nauk [Essays on the history of the Academy of Sciences]. 7 Nos. Moskva, 1945. 511 A140

486 BARBOUR, T. A naturalist in Cuba. 317 p. Boston, Little, 1945. 409 B23N

487 BERRY, F. A., JR., BOLLAY, E., and HEERS, N. R., eds. Handbook of meteorology. 1068 p. N. Y., McGraw-Hill, 1945. 340 B452

488 BRITISH INFORMATION SERVICES. A catalog of films from Britain made available in the United States. 35 p. N. Y., 1945. 332.9 B77  
Includes films on agriculture, p. 24-26.

489 CASE, J. I. THRESHING MACHINE CO., INC. Advanced farm practices conserve soil, destroy weeds, cut costs, increase yields, diversify income. 31 p. Racine, Wis., 1945? 30.3 C26



490 CHILEAN NITRATE EDUCATIONAL BUREAU, INC. Bibliography of references to the literature on the minor elements and their relation to plant and animal nutrition. Ed. 3, sup. 6, 103 p. N. Y., 1945. 463.34 W67

Originally compiled by L. G. Willis.

491 DEERING, F. USDA, manager of American agriculture. 213 p. Norman, U. of Okla. Press, 1945. 281.12 D36

492 DONALDSON, F. Four years harvest. 115 p. London, Faber, 1945. 32 D713

Includes methods of farming.

493 DUBOIS, J. B. Plastics; a simplified presentation of the important plastics materials and products with tables of their properties and the basic design information required by engineers and designers. Ed. 3, 447 p. Chicago, Amer. Tech. Soc., 1945. 309 D852

494 DUBOS, R. J. The bacterial cell in its relation to problems of virulence, immunity and chemotherapy. 460 p. Cambridge, Harvard U. Press, 1945. (Harvard U. Monog. in Med. and Pub. Health 6) 448.2 D852

495 FREYRE, G. Nordeste; aspectos de la influencia de la caña sobre la vida y el paisaje del nordeste del Brasil, traducido del portugués por Cayetano Romano. 237 p. Buenos Aires, Mexico, Espasa Calpe Argentina, S. A., 1943. 65 F89

496 GRAY, J. Pine, stream & prairie; Wisconsin and Minnesota in profile. 312 p. N. Y., Knopf, 1945. 125 G79

497 HOSKINS, M. M., and BEVELANDER, G. Essentials of histology. 240 p. St. Louis, Mosby, 1945. 447 H792

498 INTER AMERICAN STATISTICAL INSTITUTE. Bibliography of selected statistical sources of the American nations; a guide to the principal statistical materials of the 22 American nations, including data, analyses, methodology, and laws and organization of statistical agencies. Prelim. ed., 677 p., processed. Washington, D. C., 1945. 241.3 In84

499 KOMAROV, V. L. Izbrannye sochineniya I [Selected works I]. 668 p. Moskva, Akademiia Nauk SSSR, 1945. 330 K83

Botanical and biological papers.

500 KRUG, C. A. Observações e investigações feitas numa viagem de estudos aos Estados Unidos da América do Norte, 1940-1941. 289 p. São Paulo, Brazil, Diretoria de Publicidade Agrícola, 1944. 31.3 K93

Account of travels, institutions visited, and studies made on agriculture and related subjects.

501 NATIONAL ROSTER OF SCIENTIFIC AND SPECIALIZED PERSONNEL. Handbook of description of specialized fields in agronomy and soil science. 12 p., processed. Washington, U. S. War Manpower Comm., Bur. of Placement, 1945. 173.4 W1932Hag

502 MORRIS, G. W. Fighting liberal; the autobiography of George W. Norris. 419 p. N. Y., Macmillan, 1945. 120 N79

Includes agricultural relief, the TVA, rural electrification, and lend-lease.

503 PAN AMERICAN UNION. Las conferencias interamericanas de agricultura; antecedentes para uso de los delegados a la Tercera Conferencia Interamericana de Agricultura, Caracas, Venezuela, 24 de julio de 1945. 58 p., processed. Washington, D. C., 1945. 150.91 P1922

504 POWER, R. A., and KIVLIN, V. E. A practice book in practical farming. Rev. ed., 2 v. Eau Claire, Wis., Hale and Co., 1945. 30.3 P87Pb  
Prepared for use with his Practical Farming.

505 SIMCOE (COUNTY), ONTARIO. MUNICIPAL COUNCIL. Proceedings of the January, June, and November sessions, 1944. 3 v. in 1. Barrie? 1944. 280.9 S14  
Contains reports on agriculture, reforestation, and soil conservation and land utilization.

506 SUMNER, F. B. The life history of an American naturalist. 298 p. Lancaster, Pa., The Jaques Cattell Press, 1945. 120 Su6

507 SUNDBORG, G. Opportunity in Alaska. 302 p. N. Y., Macmillan, 1945. 280.007 Su7

Includes agriculture and land settlement, forest industries, and livestock raising.



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

508 ALAZRAQUI, J. M. Principales características físico-botánicas de una buena semilla. "Granos" Semilla Selecta 8(7/9): 6-8. July/Sept. 1944. 9 G762

509 BRAINERD, J. W. New protection for field data. Science 102: 382. Oct. 12, 1945. 470 Sci2  
Use of acetate sheeting for protection of vegetation maps and herbarium mounting.

510 BRAUN, B. Wortgeographie schlesischer pflanzennamen. Z. f. Mundartforsch. Beih. 18, 116 p. Halle/Saale, 1942. 459.3 B732  
With 14 maps.

511 BULLER, A. H. R. The British Association Delegation in India. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 295-301. Alipore, Bengal Govt. Press, 1942. 460.12 C12

512 BURNS, W., and PAL, B. P. The relationship of agricultural science with taxonomy and cytology. In Calcutta. Royal Botanic Garden, the 150th anniversary volume, p. 227-232. Alipore, Bengal Govt. Press, 1942. 460.12 C12

513 CAMACHO, R. Mejores prácticas agrícolas. Agr. Trop. 1(8): 17-19. Sept. 1945. 26 Ag8  
Culture of field crops, potatoes, fruit, coffee, and cacao in Colombia.

514 CARTER, A. Botanists in bloom. Frontiers 10: 48-49. Dec. 1945. 410 F92  
Plants made for botanists, teachers, and explorers.

515 CHEVALIER, A. Sur la première introduction de quelques plantes cultivées en Normandie, d'après le Journal du Sire Gilles de Gouberville (1549-1562). Paris. Acad. des Sci. Compt. Rend. 218: 297-300. Feb. 21, 1944. 505 P21

516 CORSIN, P. Sur les plantes fossiles du Gédinnien de Vimy (Pes-de-Calais). Paris. Acad. des Sci. Compt. Rend. 218: 604-605. Apr. 3, 1944. 505 P21

517 D., P. La protection de nos arbres. Prog. Agr. et Vitic. 115: 113-114. Feb. 16, 1941. 14 P94

Legislation protecting mulberry trees in France.

518 DAYTON, W. A. What is dendrology? J. Forestry 43: 719-722. Oct. 1945. 99.8 F768

519 DORF, E. Observations on the preservation of plants in the Parícutin area. Amer. Geophys. Union. Trans. 26: 257-260. Oct. 1945. 330.9 Am3  
"Fossil plants in the making" in ash deposits at Parícutin Volcano, Mexico.

520 DOUGLAS, MRS. W. A trinity of giants. Home Acres 32(3): 3-6. Oct. 1945. 4 W84  
Three famous baldcypress trees in Mexico.

521 FARWELL, MRS. A. D. A Biblical garden of herbs. Gard. Club Amer. B., ser. 10, No. 2, p. 7-12. Sept. 1945. 90.32 G16

522 HARLOW, W. M. Jack pine--the tree that swallows its own cones. Amer. Forests 51: 543. Nov. 1945. 99.8 F762

523 HEISER, C. B., JR. The Hopi sunflower. Mo. Bot. Gard. B. 33: 163-166. Oct. 1945. 451 M69B

524 HODGMAN, C. D., and STONE, M. H. Color photography in the rose garden. Amer. Rose Ann. 1945: 99-110. 81 Am31A

525 JONES, D. F. Seed breeding on the farm. Rural New-Yorker 104: 517, 519. Nov. 17, 1945. 6 R88

Field crops and vegetables.

526 KELSEY, H. P. Standardized plant names. Amer. Nurseryman 82(9): 12, 14, 16-17. Nov. 1, 1945. 80 Am371

527 KENT, J., and HEATLEY, N. G. Antibiotics from moulds. Nature [London] 156: 295-296. Sept. 8, 1945. 472 N21

528 KLECZKOWSKA, J. A quantitative study of the interaction of bacteriophage with Rhizobium using the technique of poured plates. J. Bact. 50: 81-94. July 1945. 448.3 J82

529 LASALLE, B. Herborisation dans les Rocheuses. Rev. d'Oka 19: 149-156. Sept./Oct. 1945. 7 Ok1

Collecting in the Canadian Rockies.

530 LEMEE, G. Recherches sur l'histoire forestière postglacière en Auvergne. III. Modifications forestières et climatiques dans les Monts Doré d'après l'analyse pollinique. Rev. des Sci. Nat. d'Auvergne (n. s.) 8: 84-129. 1942. Ref. 410 R327

531 LEMMON, R. S. The unfailing promise of seeds. Home Gard. 6(4): 35-36. Oct. 1945. 80 H756

532 MEYER, F. G. European botanic gardens and the war. Mo. Bot. Gard. B. 33: 172-173. Oct. 1945. 451 M69B

533 MORSE, S. F. "A good flower: the primrose." Amer. Primrose Soc. Q. 3: 20-21. (Concl.) Oct. 1945. 96.575 Am3

Notes on early books and prints.

534 PAMPANINI, R. Un antico erbario farmaceutico cadornino. Nuovo Gior. Bot. Ital. (n. s.) 49: 299-300. 1942. 450 N92

535 PUTNEY, W. K. Plant names and superstitions. Country Guide 64(10): 57. Oct. 1945. 7 G76

536 RAMDAS, L. A. Weather service for the farmer. Indian Farming 6: 300-305. July 1945. 22 In283

As a protection for crops.

537 RAMON, G., and RICHOU, R. Sur la culture des champignons inférieurs et en particulier du Penicillium notatum sur des milieux formolés. Paris. Acad. des Sci. Compt. Rend. 220: 265-267. Feb. 26, 1945. 505 P21

538 RAMITSCHER, F. The hazel period in the post-glacial development of forests. Nature [London] 156: 302-303. Sept. 8, 1945. 472 N21

539 ROBERT, I. La luna y las plantas. Cult. Mod. 28(1): 19. Jan. 1945. 15 C89

540 ROUSSY, L. Les plantes dont la cueillette est rigoureusement interdite en Suisse. Gaz. Apic. 43: 188, 187. Dec. 1942. 424.8 G25

541 SCHMITZ, H. Mayo Forestry and Horticultural Institute. J. Forestry 43: 678. Sept. 1945. 99.8 F768

542 LOS SCHOMBURGK en el Boroima. Soc. Venezol. de Cien. Nat. B. 9: 295-320. July/Sept. 1944. 516 C172

Foreword by Henri Pittier.

543 SENIOR, R. M. Leaf prints. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 23. Mar. 1944. 84 A16

544 SHIPCHINSKIY, N. V. Uglublennoe izucheniye ekzotov (The profound study of exotes [exotic plants]). Priroda 33(5/6): 96-98. 1944. 410 P933  
Acclimatization of plants.

545 TEICHERT, C. The distribution of Gangamopteris in the Permian of Western Australia. Austral. J. Sci. 6: 79-80. Dec. 1943. 475 Au72

546 WALKER, E. H. Natural history in the armed forces. A résumé of some recent literature, mostly botanical, of interest to servicemen. Sci. Monthly 61: 307-312. Oct. 1945. 470 Sci23



547 ZANGHERI, P. Sguardo generale sintetico alla vegetazione della Romagna e piano dell'opera "Romagna fitogeografica." Nuovo Gior. Bot. Ital. (n. s.) 49: 463-464. 1942. 450 N92

## SYSTEMATIC AND GEOGRAPHIC BOTANY

General

548 BOR, N. L. Some remarks upon the geology and the flora of the Naga and Khasi Hills. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 129-135. Alipore, Bengal Govt. Press, 1942. 460.12 C12

549 COBAU, R. Notizie su le piante rare del vicentino. II. Nuovo Gior. Bot. Ital. (n. s.) 49: 399-414. 1942. 450 N92

550 GARNETT, C. S. Flora of Morocco. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 93-96, 13: 168-177. (Cont.) June 1944, Sept. 1945. 84 AL6

551 GATES, R. R. Some impressions of a botanist in India. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 43-48. Alipore, Bengal Govt. Press, 1942. 460.12 C12

552 LAVRENKO, E. M. Botaniko-geograficheskie issledovaniia akad. V. L. Komarova (Acad. V. L. Komarov's botanical and geographical investigations). Priroda 33(5/6): 22-28. 1944. 410 P933

553 LORD, C. M. Hunting for Primulas with Capt. F. Kingdon Ward. Amer. Primrose Soc. Q. 3: 22-25. (Concl.) Oct. 1945. 96.575 Am3

554 OLIVER, W. R. B. The vegetation and flora of D'Urville and Stephen Islands. New Zeal. Dominion Mus. Rec. 1: 193-227. 1944. Natl. Mus. Libr. At the northern end of South Island, New Zeal.

555 POLIANSKII, V. I. Problema vida v botanika i raboty akad. V. L. Komarova (The problem of species in botany and the works of academician V. L. Komarov). Priroda 33(5/6): 11-21. 1944. 410 P933

556 PORSILD, A. E. A survey of the adventitious flora of Ivigtut in southwest Greenland. Canad. Field-Nat. 59: 53-59. Mar./Apr. 1945. 410.9 Ot8

557 RIDLEY, H. N. Distribution areas of the Indian floras. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 49-52. Alipore, Bengal Govt. Press, 1942. 460.12 C12

558 RIPLEY, D. A journey through Spain. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 38-50. Mar. 1944. 84 AL6

559 SVENSON, H. K. On the descriptive method of Linnaeus. Rhodora 47: 273-302. Oct. 1945. 450 R34

560 WARD, F. K. An outline of the vegetation and flora of Tibet. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 99-103. Alipore, Bengal Govt. Press, 1942. 460.12 C12

Spermatophytes

561 ALLARD, H. A. Fraxinus nigra in the District of Columbia area and in Virginia. Castanea 10: 82-87. Sept. 1945. 450 So82

562 ALLARD, H. A. Leucojum aestivum L., naturalized in Virginia. Castanea 10: 81. Sept. 1945. 450 So82

563 ALLEN, C. K. Studies in the Lauraceae, VI. Preliminary survey of the Mexican and Central American species. Arnold Arboretum J. 26: 365-434. Oct. 1945. 451 Ar6J

Includes n. spp. in: Nectandra; Beilschmiedia 2; Alouea; Cryptocarya 2; Phoebe.

564 AMMONS, N., and CORE, E. L. The dogwoods of West Virginia. Castanea 10: 88-91. Sept. 1945. 450 So82

565 BETTINI, A. Stazioni in prov. di Ancona e precisamente a Senigallia e Riipe dell'Erigeron crispus x Canadensis Goir. = Erigeron mixtus Goir. Nuovo Gior. Bot. Ital. (n. s.) 49: 290. 1942. 450 N92

566 BETTINI, A. Sulla Matricaria discoidea DC. in Piemonte. Nuovo Gior. Bot. Ital. (n. s.) 49: 289-290. 1942. 450 N92

567 BLASDALE, W. C. Primula allionii. Amer. Primrose Soc. Q. 3: 17-19. Oct. 1945. 96.575 Am3

568 BLOMQUIST, E. L. A new species of Hexastylis [H. pilosiflora] from North Carolina. Castanea 10: 75-80. Sept. 1945. 450 So82

569 CARDENAS, M. Quina in Bolivia. Bolivia 11(24): 16-17. July/Aug. 1945. 286.8 B623  
Description of three species and two varieties of Cinchona.

570 COOPER, E. Dimorphorchis lowii (Rolfe). Orchid Rev. 53: 111-112. Sept. 1945. 80 Or15

571 CORE, E. L. Two new species of Scleria [S. scandens and S. grandis] from the Upper Amazon Valley. Wash. Acad. Sci. J. 35: 322. Oct. 15, 1945. 500 W276J

572 COWAN, J. M. The rhododendrons of India. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 105-108. Alipore, Bengal Govt. Press, 1942. 460.12 C12

573 CRONQUIST, A. Studies in the Sapotaceae. III. Dipholis and Bumelia. Arnold Arboretum J. 26: 435-471. Oct. 1945. 451 Ar6J  
Includes n. spp. in: Dipholis; Bumelia 2.

574 FERNALD, M. L. Senecio smallii Britton, forma tristis, f. nov., ligulis nullis. --Virginia. Rhodora 47: 302. Oct. 1945. 450 R34

575 FERNALD, M. L. Some North American Corylaceae (Betulaceae). 1. Notes on Betula in eastern North America. Rhodora 47: 303-329. Oct. 1945. 450 R34

Contrib. Gray Herb., Harvard U., No. CLIX.

576 FOSTER, M. B. Do you know the bromeliads? Cactus and Succulent J. 17: 139-141. (To be cont.) Oct. 1945. 451 C11

577 FOSTER, M. B. What is a bromeliad? Flower Grower 32: 525-526. Nov. 1945. 80 M72

578 FOX, W. S. Botanical notes--summer of 1944. Canad. Field-Nat. 59: 60-61. Mar./Apr. 1945. 410.9 Ot8

Observations on three species of Asclepias found at Walpole Island, Ontario.

579 GASPAR, F. C. Las especies argentinas del género Chuquiraga. Rev. Argentina de Agron. 12: 157-173. Sept. 1945. 9 R327  
N. spp.: C. punensis, C. rosulata.

580 CHOSE, B. N., and MUJEREE, S. K. A new orchid, Aerides biswasianum, n. sp., from Burma. Orchid Rev. 53: 124-125. Sept. 1945. 80 Or15

581 GIUSEPPI, P. L. Some Iranian dionysias. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 85-86. June 1944. 84 AL6

582 GLEASON, H. A. A botanist looks at a rose. N. Y. Bot. Gard. J. 46: 215-220. Sept. 1945. 451 M48J

History, relationship to other members of the rose family, number of rose species, and kinds in America.

583 GLUCK, H. Critical research concerning the Indian arrowhead (Sagittaria sinensis Sims = S. sagittifolia Aut.). In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 59-90. Alipore, Bengal Govt. Press, 1942. Ref. 460.12 C12

584 HEIMBURGER, C. Beach pea (Lathyrus sp.) found on Ottawa River. Canad. Field-Nat. 59: 67. Mar./Apr. 1945. 410.9 Ot8

585 KEARNEY, A. J. Saxifraga: Kabschia section. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 59-60. Mar. 1944. 84 AL6



- 586 KUELMANN, J. G. Três palmeiras indígenas no nordeste. Campo [Rio de Janeiro] 16(187): 31-32. July 1945. 9.2 C15  
Attalea funifera, Copernicia australis, Orbignya martiana.
- 587 LEBRUN, J. Recherches morphologiques et systématiques sur les caféiers du Congo. Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Med. Mem., v. 11, No. 3, 183 p. 1941. 504 B8362M
- 588 MARTINOLI, G. Nuova stazione di Chrysanthemum flosculosum L. e studio carilogico della specie. Nuovo Gior. Bot. Ital. (n. s.) 49: 472-476. 1942. 450 N92
- 589 MATTHEWS, O. V. The Robinson juniper. J. Forestry 43: 755-756. Oct. 1945. 99.8 F768  
Juniperus occidentalis robinsonii.
- 590 MERRILL, E. D. Razumovia Sprengel versus Centranthera R. Brown again. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 53-58. Alipore, Bengal Govt. Press, 1942. 460.12 C12
- 591 MESSERI, A. Studio sistematico e fitogeografico di "Lagurus ovatus" L. Nuovo Gior. Bot. Ital. (n. s.) 49: 133-204. 1942. 450 N92
- 592 MOWBRAY, G. ST. L. Wana Rajah. Orchid Rev. 53: 112-114, 116. Sept. 1945. 80 Or15  
Singhalese varietal name for Anoectochilus regale.
- 593 NEHRLING, H. Seaforthia palms; Archontophoenix Wendl. Amer. Eagle 40(24): 1, 4. (Cont.) Oct. 4, 1945. 6 Am327
- 594 NEHRLING, H. South Sea Island fan palms; Pritchardias. Amer. Eagle 40(25): 1; (26): 1, 4. Oct. 11, 18, 1945. 6 Am327
- 595 NOTES on Chinese sedums; S. middendorffianum. Desert Plant Life 17: 123-125. Oct. 1945. 450 D45
- 596 OLIVER, W. R. B. The Veronica-like species of New Zealand. New Zeal. Dominion Mus. Rec. 1: 228-231. 1944. Natl. Mus. Libr.  
Includes Parahebe n. g.
- 597 PALMER, S. C. Convolvulus wallichiana at Swarthmore, Pennsylvania. Rhodora 47: 332. Oct. 1945. 450 R34
- 598 PONZO, A. Il gen. Libertia Spreng. à Sisyrinchium L. Nuovo Gior. Bot. Ital. (n. s.) 49: 482-485. 1942. 450 N92  
Libertia said to be synonymous with Sisyrinchium.
- 599 PONZO, A. Sul gen. Hermodactylus Tourn. Nuovo Gior. Bot. Ital. (n. s.) 49: 237-241. 1942. 450 N92
- 600 PRING, G. H. A noteworthy Philippine orchid -- Vandoosis davisii. Mo. Bot. Gard. B. 33: 175. Oct. 1945. 451 M69B
- 601 REHDER, A. Carya alba proposed as nomen ambiguum. Arnold Arboretum J. 26: 482-483. Oct. 1945. 451 Ar6J  
C. tomentosa (Poir.) Nuttall and C. ovata (Mill.) K. Koch valid names for C. alba (Mill.) K. Koch and C. alba Nuttall respectively.
- 602 RESTREPO R., M. Vandas in Medellín. Amer. Orchid Soc. B. 14: 182-184. Oct. 15, 1945. 80 Am329
- 603 SANTOS BILONI, J. Los maitenes [Maytenus spp.]. Suelo Argentino 4: 533-534. Aug. 1945. 9 Su2
- 604 SANTOS BILONI, J. La tithonia [Tithonia rotundifolia]. Chacra 15(179): 52. Sept. 1945. 9 C34
- 605 SCHWEINFURTH, C. An alpine Odontoglossum [O. digitatum, n. sp.] from the Andes. Amer. Orchid Soc. B. 14: 208-210. Oct. 15, 1945. 80 Am329
- 606 SHINNERS, L. H. The genus Aster in West Virginia. Castanea 10: 61-74. Sept. 1945. 450 S682  
Includes n. spp.: A. irraginiensis; A. stealeorum.
- 607 SQUIPES, W. A. Impatiens roylei in New Brunswick. Canad. Field-Nat. 59: 69. Mar./Apr. 1945. 410.9 Ot8
- 608 STEARN, W. T. Larix griffithii or Larix griffithiana? In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 115-116. Alipore, Bengal Govt. Press, 1942. 460.12 C12  
L. griffithiana Carrière has clear priority over L. griffithii Hook. f. et Thomson.
- 609 SUDZUKI H., F. Dos nuevas especies del género Schizanthus R. et Pav. (Solanaceae). Chile. Dir. Gen. de Agr. Agr. Tec. 5: 31-36. Jan./June 1945. 464.9 C432B  
English summary.  
Schizanthus parvulus and S. splendens.
- 610 TANAKA, T. Principal citrus fruits of India. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 157-158. Alipore, Bengal Govt. Press, 1942. 460.12 C12
- 611 VAN MELLE, P. J. Saxiflora No. 25: Teucrium lucidum and T. chamaedrys. Amer. Rock Gard. Soc. B. 3: 71-73. Sept./Oct. 1945. 81 Am342
- 612 VAN STEENIS, C. G. G. J. Gregarious flowering of Strobilanthes (Acanthaceae) in Malaysia. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 91-97. Alipore, Bengal Govt. Press, 1942. 260.12 C12
- 613 WALMSLEY, L. Primula: the Petiolaris section. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 161-164. Sept. 1944. 84 AL6
- 614 WALMSLEY, L. Primula: the Soldanelloideae section. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 82-84. June 1944. 84 AL6
- 615 WATERFALL, U. T. A new species of Anulocaulis (A. gypsogenus) from southwestern Texas and adjacent New Mexico. Rhodora 47: 329-332. Oct. 1945. 450 R34
- 616 WOLF, W. Quercus capesii (Quercus phellos L. x Quercus nigra L.). Castanea 10: 91. Sept. 1945. 450 S682

#### Pteridophytes

- 617 STEWART, R. R. The ferns of Mussoorie and Dehra Dun. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 159-172. Alipore, Bengal Govt. Press, 1942. 460.12 C12

#### Bryophytes

- 618 DIXON, H. N. Some new species of acrocarpus mosses from the north-west Himalaya with notes on Himalayan moss flora. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 173-182. Alipore, Bengal Govt. Press, 1942. 460.12 C12  
Includes 16 n. spp.
- 619 LUISIER, A. Recherches bryologiques récentes à Madère. Brotéria 12: 135-144. Aug. 1, 1943. 410 B79C

#### Algae

- 620 ALLEN, G. O. On the distribution of some Indian charophytes. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 183-188. Alipore, Bengal Govt. Press, 1942. 460.12 C12
- 621 MARCHESONI, V. Il popolamento algologico delle acque interne delle zone desertiche della Libia. Nuovo Gior. Bot. Ital. (n. s.) 49: 490. 1942. 450 N92
- 622 RAMPI, L. Ricerche sul fitoplancton del Mare Ligure. 4. Ceratium delle acque di Sanremo. Nuovo Gior. Bot. Ital. (n. s.) 49: 221-236. 1942. Ref. 450 N92
- 623 RAMPI, L. Ricerche sul fitoplancton del Mare Ligure. 6. Le diatomee delle acque di Sanremo. Nuovo Gior. Bot. Ital. (n. s.) 49: 252-268. 1942. Ref. 450 N92



624 SAMPAIO, J. Sinopse das desmídiás conhecidas na flora portuguesa. Brotéria 12: 97-115. Aug. 1, 1943. 410 B79C

### Fungi (Including Lichens)

625 BOEDIJN, K. B. Circinoconis, a new genus of Dematiaceae (Fungi Imperfectae). In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 209-211. Alipore, Bengal Govt. Press, 1942. 460.12 C12

626 ROSE, S. R. An abnormal sterile form of Polystictus sanguineus (Linn.) Mey. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 207-208. Alipore, Bengal Govt. Press, 1942. 460.12 C12

627 CASTELLANI, E. Monochaetiella, un nuovo genere rappresentante un termine di passaggio tra i melanconiali e gli asferopsidali. Nuovo Gior. Bot. Ital. (n. s.) 49: 485-488. 1942. 450 N92

628 EVANS, A. W. Supplementary report on the Cladoniae of Connecticut. Conn. Acad. Arts and Sci. Trans. 35: 519-626. Aug. 1944. 500 C76T

629 GUYOT, A. L., and VIENNOT-BOURGIN, G. A propos d'une forme éciennienne sur Valerianella en rapport avec Puccinia cynodontis Desm. Grignon Ecole Natl. d'Agr. Ann. (ser. 3) 3: 100-105. 1942. 105.3 G872A

630 LEE, R. D. Colourful mycenae and other winter fungi in the Dandenong Ranges. Victorian Nat. 62: 88-90. Sept. 1945. 410 V66

631 MAGROU, J. Sur un hyphomycète nouveau de la famille des stilbaceae, Sphaerocybe concentrica n. g., n. sp. Paris. Acad. des Sci. Compt. Rend. 220: 220-222. Feb. 12, 1945. 505 P21

632 MUNDKUR, B. B. Taxonomic studies of Indian smuts. In Calcutta. Royal Botanic Garden. The 150th anniversary volume, p. 221-225. Alipore, Bengal Govt. Press, 1942. 460.12 C12

633 OLIVE, L. S. A leaf spot of cowpea and soybean caused by an undescribed species of Helminthosporium. [H. vignae n. sp.] Phytopathology 35: 822-831. Oct. 1945. 464.8 P56

634 QUIRÓS CALVO, M. Flora de Costa Rica. Rev. de Agr. [San José] 17: 473. Sept. 1945. 8 Esl

### Algae and lichens.

635 REZENDE PINTO, M. C. DE. Hymeniales de Portugal. Brotéria 12: 5-20, 58-75, 116-127. May, Feb., Aug. 1943. 410 B79C

636 SPREADBURY, W. H. Mushrooms and toadstools. So. London Ent. and Nat. Hist. Soc. Proc. and Trans. 1944/1945: 64-66. 1945. 420 So8

637 TROTTER, A. La micologia e la lichenologia nel quadro del popolamento biogeografico della Libia. Nuovo Gior. Bot. Ital. (n. s.) 49: 490-491. 1942. 450 N92

638 VIENNOT-BOURGIN, G. Contribution à l'étude de la flore cryptogamique du bassin de la Seine (15<sup>me</sup> note). Étude de quelques champignons parasites. Grignon Ecole Natl. d'Agr. Ann. (ser. 3) 3: 106-127. 1942. Ref. 105.3 G872A

### PATHOLOGY

#### General

639 ARNOLD, L. D. Airplane dusting--Byrd's orchard. Va. Fruit 33(10): 1. Oct. 1945. 81 V81B  
To prevent early fruit drop.

640 BENLLOCH, M. Charlas fitopatológicas. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 147-152. Madrid, 1945. 15 Spl2C

641 BRANAS, J. Au vignoble: mildiou, gelées. Prog. Agr. et Vitic. 115: 265-266. Apr. 20, 1941. 14 P94

642 BRANAS, J. Correspondance. Prog. Agr. et Vitic. 114: 126-128. Sept. 8, 1940. 14 P94  
Discussion of court-noué of grapes.

643 BRANAS, J. L'eau céleste. Prog. Agr. et Vitic. 115: 266-267. Apr. 20, 1941. 14 P94  
A combination of copper sulfate, ammonia, and water as a fungicide.

644 BRANAS, J. Où en est la lutte contre le court-noué? Prog. Agr. et Vitic. 62: 152-154. May 6/13, 1945. 14 P94

645 BRANAS, J. Les souffres. Prog. Agr. et Vitic. 116: 217-221, 257-260, 277-281. Nov. 9, 23-30, Dec. 7-14, 1941. 14 P94

#### Fungicides.

646 BRANAS, J. Utilisation des bouillies cupriques altérées. Prog. Agr. et Vitic. 115: 438-440 June 22/29, 1941. 14 P94

647 BRANAS, J. La viticulture et le cuivre. Prog. Agr. et Vitic. 116: 114-115. Sept. 14/21, 1941 14 P94

648 BRIERLEY, W. G. Why do hardy raspberries winter-kill? Minn. Hort. 73: 119-121. Oct. 1945. 81 M66

649 BRUNO, A. Bouillies nouvelles. Prog. Agr. et Vitic. 62: 132-133. Apr. 22/29, 1945. 14 P94

650 CAMP, A. F. The status of sour orange stock in South American areas. Citrus Indus. 25(11): 5-7, 9, 16, 20-21. Nov. 1945. 80 C49

Observations on the tristeza disease of orange.

651 CANADA: DEPT. OF AGRICULTURE. SCIENCE SERVICE. DIVISION OF BOTANY AND PLANT PATHOLOGY. Annual report of the Canadian plant disease survey, 24th, 1944, 122 p., processed. Ottawa, 1945. 464.9 C16S

652 CHRISTOPLE. Communication par le Président de la Société de Viticulture sur les sulfatages dans le Puy-de-Dôme en 1941. Prog. Agr. et Vitic. 116: 131-132. Sept. 28/Oct. 5, 1941. 14 P94  
Copper sulfate.

653 CUDAYNES, G. Céréales malmenées par la gelée. Prog. Agr. et Vitic. 115: 105. Feb. 9, 1941. 14 P94

654 DAMBACH, C. A. Preventing "corn pulling" by crows and pheasants. Ohio Wildlife Res. Sta. Release 183, 2 p., processed. Columbus, 1944. 279.9 Oh32

655 DENMARK. STATENS PLANTEPATOLOGISKE FORSØG. Maanedsoversigt over plantesygdomme. Denmark. Statens Plantepatologiske Forsøg. Maanedsovers. over Plantesygd., Nos. 274-278, 70 p. Kobenhavn, 1945. 464.9 Sa4M

Survey of fungus and insect diseases of plants by H. R. Hansen, A. Weber, P. Bovien, L. Hammarlund, and C. Stapel.

656 FALKENSTEIN, B. Posevy l'itserny kak rezervatory polevok (Alfalfa - a shelter for field mice (Stenocranius gregalis Pall)). Vsesoyuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(3): 28-31. 1945. 20 Ak1

Vitamin content of alfalfa beneficial to mice propagation; also suggestions for mice control.

657 GLINDEMAN, A. The enemies of orchids in North Queensland. Austral. Orchid Rev. 9: 62-63. Dec. 1944. 80 Au73

Rushfires, animals, and human vandals.

658 GOMES, J. A. P. Acerca da generalização das práticas fitossanitárias nas regiões frutícolas. Portugal. Junta Nac. das Frutas. B. 5(1): 10-13. Jan. 1945. 286.3939 P83

659 JONES, F. R. Winter injury and longevity in unselected clones from four wilt-resistant varieties of alfalfa. Amer. Soc. Agron. J. 37: 828-838. Oct. 1945. Ref. 4 Am34P

660 KLEIN, J. Smoke and copper effect on citrus. Calif. Cult. 92: 529, 555. Oct. 13, 1945. 5 C12



- 661 KLOTZ, L. J., and MIDDLETON, J. T. Notes on copper spray damage to citrus trees. Calif. Citrog. 31(1): 14-16. Nov. 1945. 80 C125  
Also in Citrus Leaves 25(11): 18, 26. Nov. 1945. 80 C492
- 662 MATTHEWS, W. H. Repelling the rabbits. Farm and Dairy [Salem] 32(8, i. e. 11): 12. Nov. 23. 1945. 6 F2279  
Protection of fruit trees from rabbits.
- 663 NELSON, R. C. Pulverizaciones primaverales. Cons. Práct. 10(117): 1-3. Sept. 1945. 80 C762
- 664 NOVELO F., E. Hacen su aparición dos peligrosas plagas en las plantaciones de maíz. Fomento [monthly], No. 21, p. 8, 20. July 1945. 8 F734  
Bacterial wilt and rust of corn.
- 665 PAUL, R. Effets des froids du début de l'hiver 1940-41 sur les oliviers. Prog. Agr. et Vitic. 115: 235-237. Mar. 30, 1941. 14 P94
- 666 PELLEGRIN, V., and CAILLON, P. La lutte contre les gelées par le chauffage électrique du vignoble. Prog. Agr. et Vitic. 115: 368-373. May 25, 1941. 14 P94
- 667 POSNETTE, A. F. Root-rot of cocoyams (*Xanthosoma sagittifolium* Schott). Trop. Agr. [Trinidad] 22: 164-170. Sept. 1945. 26 T754  
Primary pathogen may be a virus, rendering plant susceptible to a variety of weak parasites.
- 668 REHOVOH (PALESTINE) AGRICULTURAL EXPERIMENT STATION. DIVISION OF PLANT PATHOLOGY. A survey of research on rots of citrus fruits in the period of 1937/38-1943/44. (In Hebrew.) Hassadeh 25: 463-467. July 1945. 26 H27
- 669 ROSE, M. Production expérimentale de tumeurs sur la feuille de chou par la technique du "puceron artificiel." Soc. de Biol. Compt. Rend. 135: 1491-1492. Nov. 1941. 442.9 P21
- 670 ROSE, M. Tumeurs expérimentales chez *Pelargonium zonale*. Soc. de Biol. Compt. Rend. 135: 1493-1494. Nov. 1941. 442.9 P21
- 671 ROSELLA, E. Les traitements anti-parasitaires à pratiquer en hiver sur les arbres à noyaux. Prog. Agr. et Vitic. 115: 18-20. Jan. 5, 1941. 14 P94
- 672 SHEWELL-COOPER, W. E. Brown rot of fruit, is rampant everywhere. Smallholder 73(1853): 9. Sept. 21, 1945. 10 Sml
- 673 SMOYER, K. M. Protecting young citrus trees. Calif. Cult. 92: 602. Nov. 10, 1945. 6 C12  
Control of brown rot, *Phytophthora* spp.
- 674 STANER, P. Les maladies de l'Hevea au Congo Belge. Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém., v. 11, No. 6, 42 p. 1941. Ref. 504 B362M
- 675 STREETS, R. B. Rose diseases in Arizona. Amer. Rose Ann. 1945: 144-146. 81 Am31A
- 676 TILFORD, P. E. Causes of plant diseases. Florists' Rev. 97(2499): 36. Oct. 18, 1945. 80 W41
- 677 TROTTER, A. La fitopatologia nel quadro del popolamento biogeografico della Libia. Nuovo Gior. Bot. Ital. (n. s.) 49: 491. 1942. 450 M92
- 678 WEATHERBY, H. Wild horses ruin B. C. ranges. Family Herald and Weekly Star 76(43): 16. Oct. 24, 1945. 7 F21
- Diseases Caused by Fungi
- 679 ALABOUVETTE, L. La désinfection des semences de maïs. Prog. Agr. et Vitic. 61: 127-128. Apr. 16/30, 1944. 14 P94  
Mercury compounds used to disinfect against smut.
- 680 ARNY, D. C. Inheritance of resistance to barley stripe *Helminthosporium gramineum*. Phytopathology 35: 781-804. Oct. 1945. 464.8 P56
- 681 BRANAS, J. Le mildiou. Prog. Agr. et Vitic. 116: 49-51. July 27/Aug. 3, 1941. 14 P94  
Downy mildew of grapes.
- 682 BRANAS, J. Le mildiou au 11 mai. Prog. Agr. et Vitic. 115: 349. May 18, 1941. 14 P94  
Downy mildew of grapes.
- 683 BRANAS, J. Le mildiou et le déchaussage. Prog. Agr. et Vitic. 115: 185-186. Mar. 16, 1941. 14 P94
- 684 BRANAS, J. L'oïdium. Prog. Agr. et Vitic. 116: 77-79. Aug. 17/24/31, 1941. 14 P94  
Control of powdery mildew of grape.
- 685 BRANAS, J. Le permanganate de potassium et l'oïdium. Prog. Agr. et Vitic. 115: 408. June 8, 1941. 14 P94  
Powdery mildew of grapes.
- 686 BRANAS, J. La situation du vignoble. Le mildiou. Prog. Agr. et Vitic. 115: 325-327. May 11, 1941. 14 P94
- 687 CARPENTER, C. W., WELLER, D. M., and MARTIN, J. P. Studies with *Penicillium notatum* Westling in Hawaii. Hawaiian Planters' Rec. 49: 1-23. First quart. 1945. Ref. 25 H311
- 688 CHEAL, W. F. Celery blight in Isle of Ely. Fruit-Grower, Fruiterer, Florist & Market Gard. 100: 258. Oct. 4, 1945. 80 F941  
Caused by *Septoria* sp.
- 689 CORNACK, M. W. Studies on *Ascochyta imperfecta*, a seed- and soil-borne parasite of alfalfa. Phytopathology 35: 838-855. Oct. 1945. Ref. 464.8 P56
- 690 FREZZI, M. J., and MACOLA, T. La podredumbre del pie de los citrus en la Provincia de Córdoba, Argentina; importancia, etiología y medios de lucha. Rev. Argentina de Agron. 12: 203-211. Sept. 1945. 9 R327  
Caused by *Phytophthora parasitica*.
- 691 KLOTZ, L. J., and PARKER, E. R. Suggestions for controlling brown rot, exanthema, and *Septoria* spot of citrus. Calif. Citrog. 31(1): 20. Nov. 1945. 80 C125  
Also in Citrus Leaves 25(11): 33. Nov. 1945. 80 C492
- 692 KUHNHOLTZ-LORDAT, G. L'antracnose [*Ascochyta blight*] du pois-chiche. Prog. Agr. et Vitic. 115: 396. June 1, 1941. 14 P94
- 693 KUHNHOLTZ-LORDAT, G. La cladosporiose des tomates (*Cladosporium fulvum* Cooke). Prog. Agr. et Vitic. 114: 180-181. Sept. 29, 1940. 14 P94
- 694 KUHNHOLTZ-LORDAT, G. La rouille [*Uromyces ciceris*] des pois chiches. Prog. Agr. et Vitic. 116: 25. July 16, 1941. 14 P94
- 695 LINN, M. B. The effectiveness of arasan as a control for smut and damping-off in onion sets in Illinois and Indiana. Ill. Veg. Growers' B. 5(2): 3-4. July 1945. 80 IL69
- 696 LUDWIG, R. A. Avoid destructive barley disease caused by *Helminthosporium sativum*. Macdonald Col. J. 6(1): 4. Sept. 1945. 101 M44
- 697 MARSAIS, P. Avec peu de cuivre peut-on espérer vaincre le mildiou? Grignon Ecole Natl. d'Agr. Ann. (ser. 3) 3: 25-33. 1942. 105.3 G872A
- 698 MASSEY, L. M. Brown-canker [*Cryptosporella umbrina*] control. Amer. Rose Ann. 1945: 147-150. 81 Am31A
- 699 MOSNAT, H. R. Control of lily disease. Horticulture 23: 458. Oct. 15, 1945. 80 H787  
*Botrytis* controlled by a soray of Dithane D-14.
- 700 OLIVERAS MASSO, C. Le antracnose [*Sphaeloma ampelinum*] de la vid. Vinos, Viñas y Frutas 41(479): 26-31. July 1945. 9 Ag89
- 701 PADWICK, G. W. Some problems of control of soil-borne fungal diseases. In Calcutta. Royal Botanic Garden, The 150 anniversary volume, p. 213-220. Alipore, Bengal Govt. Press, 1942. 460.12 C12  
References, p. 218-220.



702 PALTÍ, J., and MELLER, S. Trial to control powdery mildew on potatoes. (In Hebrew.) Hassadeh 25: 471-474. July 1945. 26 H27

703 PERLBERGER, J. Sclerotium rolfsii rot on roots of deciduous fruit trees and its control. (In Hebrew.) Hassadeh 25: 467-470. July 1945. 26 H27

704 POWELL, D. Relation of temperature to scab [*Venturia inaequalis*] and blotch [*Phyllosticta* spp.] infections [of apple]. Hoosier Hort. 27: 142. Oct. 1945. 21 IN2R

From Food for Victory with King Apple, July 1945.

705 REVILLA, V. A. Razas fisiológicas de la roya negra del trigo (*Puccinia graminis tritici*) encontradas en el Perú. Lima, Peru, Estac. Agr. de La Molina. B. 26, 16 p. Lima, 1945. 102.5 L622B

706 REX, E. G. Report on Dutch elm disease control in N. J. for calendar year 1944. Shade Tree 18(3): 2-3; (4): 3. Third, Fourth quart. 1945. 99.8 Sh1

707 SIGGERS, P. V. Needle blight control by prescribed burning. Forest Farmer 5(1): 8. Oct. 1945. 99.8 F7692

Caused by *Septoria acicola*.

708 SMITH, O. F. Parasitism of *Rhizoctonia solani* from alfalfa. Phytopathology 35: 832-837. Oct. 1945. Ref. 464.8 P56

709 SUKHORUKOV, K., and SMIRNOVA, O. Raising the resistance of grasses to rust (*Puccinia*). Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 304-306. May 10, 1945. 511 P444

710 URQUIJO LANDALUZE, P. La lucha contra la enfermedad de la "tinta" [*Phytophthora cambivora*] del castaño. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 203-211. Madrid, 1945. 15 Sp12C

711 URUGUAY. DIRECCIÓN DE PATOLOGÍA VEGETAL Y ENTOMOLOGÍA DE LA DIRECCIÓN DE AGRONOMÍA. La encrespada [Taphrina deformans] de las hojas del duraznero. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 325. Aug. 16, 1945. 9.9 G15B

Leaf curl of hectarine.

712 VIENNOT-BOURGIN, G. Contribution à la connaissance des travelures des rosacées (2<sup>me</sup> note). Grignon École Natl. d'Agr. Ann. (ser. 3) 3: 128-154. 1942. 105.3 G872A

Caused by *Cladosporium carpophilum* and *C. cerasi*.

713 VOLOSKEY DE HERNANDEZ, D. Desinfestantes del "carbon de la cebada." Chile. Dir. Gen. de Agr. Agr. Tec. 5: 37-47. Jan./June 1945. 464.9 C432B

English summary.

714 WELCH, J. H. Cantaloupes are up again. Tex. Farming and Citric. 22(4): 7. Oct. 1945. 80 T31

Varieties resistant to *Pseudoperonospora cubensis*.

#### Diseases Caused by Bacteria

715 C., M. B. New points on fire blight [*Dacillus amylovorus* of apple and pear]. Rural New-Yorker 104: 520. Nov. 17, 1945. 6 R88

716 HEGGESTAD, H. E. Varietal variation and inheritance studies on natural water-soaking in tobacco. Phytopathology 35: 754-770. Oct. 1945. Ref. 464.8 P56

Includes experiments showing degrees of resistance to *Phytomonas tabaci*.

717 KLECHETOV, A. N. A new Bacterium on the rubber-plant tau-saghyz. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 377-378. May 20, 1945. 511 P444

Bacterium not named.

718 MENAUD, P. Plantation d'une olivette. Tumeur bactérienne [*Bacterium savastanoi*], nécrose de la greffe. Prog. Agr. et Vitic. 114: 337-339. Nov. 24, 1940. 14 P94

719 SCHIEL, E. Método de emergencia para el cultivo de anaerobiontes sobre agar al sego. Rev. Argentina de Agron. 12: 212-215. Sept. 1945. 9 R327

720 WAGER, V. A. South Africa's most serious potato disease [bacterial wilt]. Farmer [Pietermaritzburg] 34(37): 9. (Concl.) Sept. 14, 1945. 24 F227

721 WHITE, P. R. Do plants, too, have cancers? Plants & Gard. 1: 184-188. Autumn 1945. 450 P694

722 WILSON, C. P. Alfalfa experiments for varieties resistant to bacterial wilt. Flour & Feed 46(5): 22. Oct. 1945. 298.8 F66

#### Viruses and Virus Diseases

723 AGATOV, P. Reproduktsiia virusa tabachnoi mozaiki iz ego afil-proizvodnykh [Reproduction of the virus of tobacco mosaic from its acyl-derivatives]. Akad. Nauk S. S. S. R. Dok. 38: 151-152. Feb. 1943. 511 P444A

724 GOMEZ CLEMENTE, F. Una nueva enfermedad del naranjo, la "psoriasis" o "corteza escamosa." Agr. Levantino 10(114): 4-8. May 15, 1945. 15 Ag85

725 LINDNER, R. C., JENSEN, D. D., and IKEDA, W. Ring-spot: new papaya plunderer. Hawaii Farm and Home 8(10): 10-12, 14. Oct. 1945. 25 H3191

726 SMEE, C. Notes on plant virus diseases with particular reference to tobacco. Nyasaland Agr. Q. J. 5: 73-89. Oct. 1945. 24 M983

727 SMITH, K. M. Dahlias and the problem of virus infection. Gard. Chron. 118: 140-141. Sept. 29, 1945. 80 G162

#### Diseases Caused by Nematodes

728 JOHNSON, L. B., and THOMPSON, H. W. Potato root eelworm in Yorkshire. Gt. Brit. Min. Agr. Agriculture 52: 266-270. Sept. 1945. 10 G79J

729 PETHERBRIDGE, F. R. Potato root eelworm. [Heterodera rostochiensis]. Gt. Brit. Min. Agr. Agriculture 52: 264-265. Sept. 1945. 10 G79J

730 PETHERBRIDGE, F. R., and WESTON, W. A. R. D. Potato root eelworm [Heterodera rostochiensis]. Farmers' J. 26: 95. Nov. 1945. 10 F2234

#### ECOLOGY

731 BAILEY, R. W. Determining trend of range-watershed condition essential to success in management. J. Forestry 43: 733-737. Oct. 1945. 99.8 F768

732 BOND, R. M. Range rodents and plant succession. North Amer. Wildlife Conf. Trans. 10: 229-234. 1945. Ref. 412.9 N814

733 CHAMPION, H. G. The gregarious habit in north Indian trees and shrubs. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 117-122. Alipore, Bengal Govt. Press, 1942. 460.12 C12

734 CORTI, R. Che cosa è stato fatto e che cosa si deve fare per lo studio della vita vegetale del Sahara Italiano. Nuovo Gior. Bot. Ital. (n. s.) 49: 488-490. 1942. 450 N92

735 DAS, A. Floristics of Assam - a preliminary sketch. In Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 137-156. Alipore, Bengal Govt. Press, 1942. 460.12 C12

736 GUYOT, A. L. Le peuplement végétal des terres incultes en Picardie. Grignon École Natl. d'Agr. Ann. (ser. 3) 3: 49-77. 1942. 105.3 G872A

737 MARTINOLI, G. Il colle di acquafredda (Siliqua: Sardegna mer.) e la sua vegetazione. Nuovo Gior. Bot. Ital. (n. s.) 49: 476-482. 1942. 450 N92



- 738 MONTELUCCI, G. *Andrachne telephioides* L. e *Andryala undulata* Presl., nuove inquiline del Lazio. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 461-462. 1942. 450 N92
- 739 NEGRI, G. Nuovi dati sull'invasione delle morene dei ghiacciai alpini da parte della vegetazione. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 448-459. 1942. 450 N92
- 740 PARKER, R. N. The ecological status of the Himalayan fir forests. In *Calcutta. Royal Botanic Garden, The 150th anniversary volume*, p. 125-128. Alipore, Bengal Govt. Press, 1942. 460.12 G12
- 741 ROE, R., and ALLEN, G. H. Studies on the Mitchell grass association in south-western Queensland. 2. The effect of grazing on the Mitchell grass pasture. *Austral. Council Sci. and Indus. Res. B.* 185, 27 p., processed. Melbourne, 1945. 514 Au72B
- 742 SHARPE, B. Bald Mountain mystery still to be solved. *South. Lumber J.* 49(10): 78-79. Oct. 10, 1945. 99.81 So8
- The green-alder bald of Roan Mountain, N. C.
- 743 SHIRLEY, E. L. Light as an ecological factor and its measurement. II. *Bot. Rev.* 11: 497-532. Nov. 1945. 450 B6527
- References, p. 524-532.
- MORPHOLOGY, ANATOMY, AND CYTOLOGY
- 744 BATTAGLIA, E. Alcune osservazioni sullo sviluppo del gametofito femminile della *Myricaria germanica* Desv. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 464-467. 1942. 450 N92
- 745 BATTIATO, C. Ecblastesi floripara in *Tulipa gesneriana* L. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 282-284. 1942. 450 N92
- 746 BATTIATO, C. Pseudounisessualità in *Ilex aquifolium* L. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 469-472. 1942. 450 N92
- 747 BATTIATO, C. Sul presumibile antagonismo tra sviluppo vegetativo e fiorale e su un nuovo caso di formazione di gemme e di foglie su spine di *Aurantia*ceae. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 383-389. 1942. 450 N92
- 748 BATTIATO, C. Sulla struttura del pistillo nel *Citrus limonum* L. e sui processi istolitici che si compiono nelle ghiandole oleifere dell'epicarpo e nelle emergenze dell'endocarpo. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 499-502. 1942. 450 N92
- 749 BURKILL, I. H. The terrestrial vegetative buds of *Dioscorea alata* Linn. In *Calcutta. Royal Botanic Garden, The 150th anniversary volume*, p. 109-114. Alipore, Bengal Govt. Press, 1942. 460.12 G12
- 750 CATALANO, G. Valore morfologico comparato delle ramificazioni. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 459-461. 1942. 450 N92
- 751 CERUTI, A. Rivista critica alle attuali vedute su la biologia nucleare. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 292-299. 1942. 450 N92
- 752 CIAMPI, C. Ricerche sulla istologia del legno secondario delle *Gymnospermae*. VII. Studio istologico del legno secondario di *Juniperus chinensis* L. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 424-426. 1942. 450 N92
- 753 CIANTELLI, E. M. Ricerche istologiche ed embriologiche durante l'evoluzione dell'ovulo di "*Campsis radicans*" (L.) Seem. (*Bignoniaceae*). *Nuovo Gior. Bot. Ital.* (n. s.) 49: 268-281. 1942. Ref. 450 N92
- 754 CUGNAC, A. DE, and SIMONET, M. Les nombres de chromosomes de quelques espèces du genre *Bromus* (*graminées*). *Soc. de Biol. Compt. Rend.* 135: 728-731. May 1941. 442.9 P21
- 755 DANGEARD, P. Sur les changements de structure réversibles dans le noyau et le cytoplasme des cellules de *Bryonia dioica*. *Soc. de Biol. Compt. Rend.* 135: 766-768. May 1941. 442.9 P21
- 756 DELUPIS, S. D. DI. Aborto dell'ovario e cascola dei frutti dell'olivo. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 467-469. 1942. 450 N92
- 757 DESOLE, L. Embriologia della "Vincia difformis" Pourr. (*Apocinaceae*). *Nuovo Gior. Bot. Ital.* (n. s.) 49: 358-361. 1942. 450 N92
- 758 ERNOULD, L. La cytologie de la betterave. *Inst. Belge pour l'Amélior. de la Betterave. P.* 12: 39-54. Mar./Apr. 1944. 66.9 In7
- 759 FEDORCHUK, V. F. Razvitie i stroenie semiaapochek i semian u krasnogo klevra [Development and structure of seeds in red clover]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1*, p. 32. 1945. 20 M857
- 760 FRANCINI, E. La struttura dell'apice del rizoma in confronto all struttura dell'apice del fusto aereo in "*Equisetum ramosissimum*" Desf. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 337-357. 1942. Ref. 450 N92
- 761 GIAQUILI-FERRINI, G. F. Ricerche sulla istologia del legno secondario delle *Gymnospermae*. V. Studio istologico del legno secondario di *Juniperus foetidissima* Willd. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 415-419. 1942. 450 N92
- 762 GORIN, A. P. K voprosu o zakononomernosti formirovaniia zeren v kolose phenitsy [Concerning the regularity of kernel formation in the wheat ear]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1*, p. 29-31. 1945. 20 M857
- 763 GUYOT, A. L. De quelques affinités morphologiques inter-génériques chez la famille des composées en rapport avec l'étude biométrique des urédinées parasites de ces végétaux. *Grignon École Natl. d'Agr. Ann. (ser. 3)* 3: 78-92. 1942. 105.3 G872A
- Mainly relating to Puccinia.
- 764 LAMI, R., PORTIER, J., and SERPETTE, M. Sur le déplacement des *Glosterium* (desmidiées) cultivés sur gélose. *Paris. Acad. des Sci. Compt. Rend.* 218: 690-691. Apr. 24, 1944. 505 P21
- 765 MARTINOLI, G. Contributo all'embriologia delle *Asteraceae*. VI. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 311-336. 1942. 450 N92
- 766 MEITES, M. Hétérogénéité structurale du chondrioconte chez *Lupinus albus* L. *Paris. Acad. des Sci. Compt. Rend.* 218: 241-243. Feb. 7, 1944. 505 P21
- 767 MESSERI, A. La funzione direttiva di alcuni tessuti nella morfogenesi della pianta. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 488. 1942. 450 N92
- 768 PROFILI, V. Ricerche sulla istologia del legno secondario delle *Gymnospermae*. VI. Studio istologico del legno secondario di *Juniperus oxycedrus* L. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 420-423. 1942. 450 N92
- 769 SOKOLOVA, A. M. Izuchenie biologii i agrotekhniki semennikov morkovi v tsel'fakh poluchenifa vysokokachestvennykh semian [Study of the biology and agricultural technique of carrot seed capsules for the purpose of obtaining high quality seeds]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1*, p. 44. 1945. 20 M857
- 770 STEBBINS, G. L., JR. The cytological analysis of species hybrids. II. *Bot. Rev.* 11: 463-486. Nov. 1945. 450 B6527
- References, p. 479-486.
- 771 SUKHORUKOV, K., and FILIPPOV, V. Cell-division hormones in blossoms of cotton-plant. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 370-373. May 20, 1945. 511 P444
- 772 SWARBRICK, T. Parthenocarpic production of tomato fruits. *Nature [London]* 156: 300-301. Sept. 8, 1945. 472 N21
- 773 TONGIORGI, E. Il gametofito tetramegasporiale di *Helichrysum bracteatum* Andr. (*Asteraceae-Inuleae*). *Nuovo Gior. Bot. Ital.* (n. s.) 49: 205-220. 1942. Ref. 450 N92



774 TONGIORGI, E. Su la carliologia di alcune inuleae (Asteraceae). *Nouvo Gior. Bot. Ital.* (n. s.) 49: 242-251. 1942. Ref. 450 N92  
Helichrysum, Evax, Buphthalmum, Asteriscus, and Imula.

## GENETICS

775 ALMA-ATINSKAIÁ GOSUDARSTVENNAIA SELEKTSION-NAIA STANTSIIÁ. Nauchnyi otechet, 1941/1942, 104 p. Moskva, 1945. 106 A16

Scientific report of the Alma-Ata State Breeding Station for 1941/1942.

776 ALMEIDO, C. R. M. DE. Mutação de gomo. *Portugal. Junta Nac. das Frutas. B.* 5(2): 3-7. Feb. 1945. 286.3939 P83

777 MAZOTI, L. B. Contribución a la genética del maíz. *Rev. Argentina de Agron.* 12: 174-202. Sept. 1945. Ref. 9 R327

English summary.

778 MOLLIARD, M. Production expérimentale de Linaria toutoni A. Chev., décrit comme mutation de Linaria cymbalaria (L.) Miller. *Paris. Acad. des Sci. Compt. Rend.* 218: 661-662. Apr. 1944. 505 P21

779 MOSPOVSKAIÁ GOSUDARSTVENNAIA SELEKTSION-NAIA STANTSIIÁ. Nauchnyi otechet, 1939/1942, 96 p. Moskva, 1945. 106 M8524

Scientific report of the Moscow State Breeding Station for 1939/1942.

780 PAL, B. P., and RAMANUJAM, S. Recent advances in plant breeding with special reference to the work of the Imperial Agricultural Research Institute. In *Calcutta. Royal Botanic Garden, The 150th anniversary volume*, p. 233-242. Alipore, Bengal Govt. Press, 1942. 460.12 C12

References, p. 241-242.

781 RIZET, G. Sur le comportement des hétérochromosomes à la méiose, chez les mâles tétraploïdes de *Melandrium album*. *Paris. Acad. des Sci. Compt. Rend.* 220: 222-224. Feb. 12, 1945. 505 P21

782 SCHNACK, B., and COVAS, G. Un híbrido interespecífico del género *Glandularia*. *Rev. Argentina de Agron.* 12: 224-229. Sept. 1945. 9 R327

783 SCHNACK, B., and COVAS, G. Poliploidia experimental en *Glandularia peruviana*. *Rev. Argentina de Agron.* 12: 222-223. Sept. 1945. 9 R327

784 WERNER, A. R. An intergeneric hybrid between barley and *Elymus*. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 300. May 10, 1945. 511 P444

## PHYSIOLOGY

785 ALABOUVETTE, L. Jaunissement des céréales. *Prog. Agr. et Vitic.* 61: 128-129. Apr. 16/30, 1944. 14 P94

Physiological disease.

786 ARNAUD, G. La vigne et l'électricité atmosphérique. *Prog. Agr. et Vitic.* 114: 61-62; 115: 71-74. Aug. 4, 1940, Jan. 26, 1941. 14 P94

787 ARNDT, C. H. Viability and infection of light and heavy cotton seeds. *Phytopathology* 35: 747-753. Oct. 1945. 464.8 P56

Gravity-grading methods for acid-delinted seeds.

788 BALDRATI, I. Sull'interesse pratico della simbiosi batterica delle rubiacee. *Nuovo Gior. Bot. Ital.* (n. s.) 49: 285-287. 1942. 450 N92

789 BAUDISCH, O. Biological function of minor elements. *Soil Sci.* 60: 173-184. Aug. 1945. Ref. 56.8 So3

790 BENNETT, J. P. Iron in leaves. *Soil Sci.* 60: 91-105. Aug. 1945. Ref. 56.8 So3

791 BERTRAND, G., and SILBERSTEIN, L. Sur la répartition du bore parmi les espèces végétales. *Acad. d'Agr. de France. Compt. Rend.* 27: 24-27. Jan. 8/15, 1941. 14 P215Bc

792 BURGOS, J. J. El invierno y los frutales de hojas caducas. *Corp. Frutícola Argentina. Rev. Ofic.* 11(128): 26-28. Aug. 31, 1945. 83 C81

793 CAMP, A. F. Zinc as a nutrient in plant growth. *Soil Sci.* 60: 157-164. Aug. 1945. Ref. 56.8 So3

794 CASTAN, R. Variation dans la morphologie de la racine d'*Allium cepa* sous l'action de l'acide  $\beta$ -indol-acétique. *Soc. de Biol. Compt. Rend.* 135: 765-766. May 1941. 442.9 P21

795 CHAPMAN, H. D., BROWN, S. M., and RAYNER, D. S. Nutrient deficiencies of citrus. I. Iron deficiency. *Citrus Grower*, No. 139, p. 10-11. (Cont.) Aug. 30, 1945. 80 C495

796 COLWELL, W. E., BRADY, N. C., and PILAND, J. R. Composition of peanut shells of filled and unfilled fruits as affected by fertilizer treatments. *Amer. Soc. Agron. J.* 37: 792-805. Oct. 1945. Ref. 4 Am34P

797 COOPER, H. P. Certain factors affecting the availability, absorption, and utilization of magnesium by plants. *Soil Sci.* 60: 107-114. Aug. 1945. 56.8 So3

798 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Un essai d'irradiation de graine de betterave en ultra-violet et en hautes fréquences. *Inst. Belge pour l'Amélior. de la Betterave. P.* 12: 509-515. Sept./Oct. 1944. 66.9 In7

799 DENNY, F. E. Favorable conditions for the treatment of dormant gladiolus cormels to increase germination. *Boyce Thompson Inst. Contrib.* 14: 43-49. Oct./Dec. 1945. 451 B69

800 DERONET, L. Influence des changements de température sur la respiration de l'*Hypnum triquetrum*. *Paris. Acad. des Sci. Compt. Rend.* 218: 369-371. Feb. 28, 1944. 505 P21

801 DOUGLAS, G. Unusual methods of plant nutrition. *Austral. Gard. Lover* 21(6): 7-8. Sept. 1, 1945. 80 G1615

802 DROBKOV, A. A. Accumulation of rubber by kok-saghyz at different periods of its life. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 363-365. May 20, 1945. 511 P444

803 FAIRBURN, D. C. Why plants bloom out of season. *Mo. Bot. Gard. B.* 33: 170-171. Oct. 1945. 451 M69B

804 FARDY, A., and HITIER, H. Formes amphidiploïdes du genre *Nicotiana* obtenues par l'action de la colchicine. *Paris. Acad. des Sci. Compt. Rend.* 220: 251-253. Feb. 19, 1945. 505 P21

805 FERRI, M. G. Preliminary observations on the translocation of synthetic growth substances. *Boyce Thompson Inst. Contrib.* 14: 51-58. Oct./Dec. 1945. 451 B69

806 GERHARDT, O. Le soufre et la croissance des bactéries pourres. *Paris. Acad. des Sci. Compt. Rend.* 218: 368-369. Feb. 28, 1944. 505 P21

807 GILLIES, E. Mouvements de cellules végétales libres, provoqués par un champ de très haute fréquence. *Paris. Acad. des Sci. Compt. Rend.* 218: 244-246. Feb. 7, 1944. 505 P21

808 GRAVES, A. H. Autumn coloration; how the leaves get their fall colors. *Plants & Gard.* 1: 135-137. Autumn 1945. 450 F694

809 GRIGSBY, B. H. Inhibition of pollen production in ragweed by the use of chemical sprays. *Mich. Agr. Expt. Sta. Q. B.* 28(1): 45-48. Aug. 1945. 100 M58S

810 GUERILLOT, J., and DUCET, G. Études sur la richesse comparée en certains éléments plastiques des feuilles de pommes de terre saines et dégénérées. *Grignon École Natl. d'Agr. Ann.* (ser. 3) 3: 16-24. 1942. 105.3 G872A

811 HAMNER, K. C. Minor elements and vitamin content of plants. *Soil Sci.* 60: 165-171. Aug. 1945. 56.8 So3



- 812 HATCHER, E. S. J. On the behaviour in the field of small grain obtained by premature harvesting. *J. Agr. Sci. [London]* 35: 177-183. July 1945. 10 J822
- 813 HOAGLAND, D. R. Molybdenum in relation to plant growth. *Soil Sci.* 60: 119-123. Aug. 1945. Ref. 56.8 So3
- 814 HOLT, M. E., and VOLK, W. J. Sodium as a plant nutrient and substitute for potassium. *Amer. Soc. Agron. J.* 37: 821-827. Oct. 1945. Ref. 4 Am34P
- 815 HUREL-PY, O. Observations sur la germination des spores de quelques filicinées. *Paris. Acad. des Sci. Compt. Rend.* 218: 326-328. Feb. 21, 1944. 505 P21
- 816 JANOWSKY, J. Some aspects of weather and oil spraying for prune bud stimulation. *Amer. Met. Soc. B.* 26: 284-287. Sept. 1945. 340.8 Am32
- 817 JOHNSON, E. B. Rooting cuttings with plant hormones. *Plants & Gard.* 1: 140-143. Autumn 1945. Ref. 450 P694
- 818 KEENER, P. D. Mycoflora of buds. *Science* 102: 283-384. Oct. 12, 1945. 470 Sci2  
Occurrence of fungi and bacteria in tissues of normal foliar buds of trees.
- 819 KIESSELBACH, T. A. The detasseling hazard of hybrid seed corn production. *Amer. Soc. Agron. J.* 37: 806-811. Oct. 1945. Ref. 4 Am34P
- 820 KULCHITZKAYA, Z. A. Development of plants as affected by negative temperatures. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 366-369. May 20, 1945. 511 P444
- 821 MAKSIMOV, N. A. Primenenie iskusstvenno-go sveta dlia uskorenija rosta rastenij [Uses of artificial light for the acceleration of the growth of plants]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, p. 14-16.* 1945. 20 M857
- 822 MAUME, L. Nouvelles observations, par l'analyse periodique de la feuille, sur l'absorption de la potasse chez quelques plantes perennes. *Paris. Acad. des Sci. Compt. Rend.* 220: 257-259. Feb. 19, 1945. 505 P21
- 823 MINER, F. M. Within the Brooklyn Botanic Garden; student research with plant hormones. *Plants & Gard.* 1: 189-190. Autumn 1945. 450 P694
- 824 OSTERHOUT, W. J. V. Effects of hydroxyl on negative and positive cells of *Nitella*. *J. Gen. Physiol.* 29: 43-56. Sept. 20, 1945. Ref. 447.8 J822
- 825 PEYRONEL, B. Ricerche sulla simbiosi micorrizica nelle epatiche. *Nuovo Gior. Bot. Ital. (n. s.)* 49: 362-382. 1942. 450 M92
- 826 PLANTEFOL, L. Sur les phénomènes de migration dans les tubercules de carotte conservés. *Paris. Acad. des Sci. Compt. Rend.* 220: 224-226. Feb. 12, 1945. 505 P21
- 827 PRAT, H., and CALVET, E. Influence de la déshydratation préalable des graines sur la thermogénèse de germination. *Paris. Acad. des Sci. Compt. Rend.* 220: 226-227. Feb. 12, 1945. 505 P21  
Experiments with wheat.
- 828 RALEIGH, G. J. Silicon in plant growth. *Soil Sci.* 60: 133-135. Aug. 1945. Ref. 56.8 So3
- 829 REED, H. S., and MACDOUGAL, D. T. Growth processes of *Corallorhiza*. *Growth* 9: 235-258. Sept. 1945. 442.8 G91
- 830 SARTORY, A., SARTORY, R., and WURTZ, B. Contribution à l'étude de l'action du radium sur les champignons inférieurs. Les effets des radiations sur *Sterigmatocystis nigra*. *Paris. Acad. des Sci. Compt. Rend.* 218: 247-249. Feb. 7, 1944. 505 P21
- 831 SARTORY, A., SARTORY, R., and WURTZ, B. L'influence des émanations du radium sur le *Sterigmatocystis nigra*. *Paris. Acad. des Sci. Compt. Rend.* 218: 328-329. Feb. 21, 1944. 505 P21
- 832 SEGRETAIR, G. Formation de calcs en milieu aseptique a partir de fragments de tiges de tabac. *Soc. de Biol. Compt. Rend.* 135: 648-650. May 1941. 442.9 P21
- 833 SEN GUPTA, J. C. Investigation of the annual variation of the water content, osmotic values and chloride fractions of some plants in Fort Canning, near Calcutta. In *Calcutta. Royal Botanic Garden, The 150th anniversary volume, p. 265-294.* Alipore, Bengal Govt. Press, 1942. 460.12 C12
- 834 SHUGAR, A. I. K voprosu o biologicheskoi roli fluoresstentsii khlorofila [Concerning the biological role of fluorescence of chlorophyll]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, p. 77-78.* 1945. 20 M857
- 835 STEINBERG, R. A. Use of microorganisms to determine essentiality of minor elements. *Soil Sci.* 60: 185-189. Aug. 1945. 56.8 So3  
Mineral requirements of *Aspergillus niger* as compared with that of green plants.
- 836 SWANSON, C. O. Pre-harvest development of wheat. Northwest. Miller (Milling Prod. Sect.) 224(2): 12a-14a, 17a. Oct. 9, 1945. 298.8 M81
- 837 SYNERHOLM, M. E., and ZIMMERMAN, P. W. The preparation of some substituted phenoxy alkyl carboxylic acids and their properties as growth substances. *Boyce Thompson Inst. Contrib.* 14: 91-103. Oct./Dec. 1945. Ref. 451 B69
- 838 UNDERHILL, R. M. Growing plants in fluid--the scientific side of soilless culture. *Smallholder* 73(1853): 10-11. Sept. 21, 1945. 10 Sml
- 839 WENT, F. W. Auxin, the plant-growth hormone. II. *Bot. Rev.* 11: 487-496. Nov. 1945. 450 B6527  
References, p. 492-496.
- 840 WOODWARD, H. R. Differential variation within species due to environment. *N. and S. Dak. Hort.* 18: 136, 143. Sent. 1945. 81 N817
- 841 WRIGHT, P. H. What makes the nectar flow? *West. Canada Beekeeper* 8(11): 10, 12. Nov. 1945. 424.8 W525
- 842 ZENTMYER, G. A., KLOTZ, L. J., and MILLER, P. A. The pathological aspects of avocado decline. *Calif. Citrog.* 31(1): 26-27. Nov. 1945. 80 C125  
A physiological disease.  
Also in *Citrus Leaves* 25(11): 34-35. Nov. 1945. 80 C492

## BIOCHEMISTRY

- 843 ALBO, G. Il flavone delle *Reseda luteola* L.: Ricerche biochimiche e considerazioni teoriche. *Nuovo Gior. Bot. Ital. (n. s.)* 49: 427-448. 1942. 450 N92
- 844 BASTIN, R. La biochimie des moisissures vue d'ensemble; application à des souches congolaises d'*Aspergillus* du groupe "niger" Thom et Church. *Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém., v. 12, No. 2, 129 p.* 1942. 504 B8362M
- 845 BERTRAND, G., and BROOKS, G. Recherches sur l'acide acétique combiné du bois et des tissus lignifiés. *Ann. Agron. Paris, (n. s.)* 11: 173-181. July/Dec. 1941. 14 An75
- 846 BRECHOT, P. Méthode de détermination de la richesse glucidique totale des tubercules de topinambour. *Ann. des Ferment.* 6: 289-297. Dec. 1941. 390.8 An72
- 847 CLARE, E. M., and MORICE, I. M. The estimation of total alkaloids in rye-grass (*Lolium perenne* L.). *New Zeal. J. Sci. and Technol. Sect. B, Gen.* 27: 36-37. July 1945. 514 M48B
- 848 DRUMM, P. J., and O'CONNOR, W. F. The pigments of the yellow iris (*Iris pseudacorus*). *Biochem. J.* 39: 211-212. 1945. 382 B52



849 FILATOVA, A. Bakteriĭsidnye svoĭstva fitontsĭdov [Bactericidal properties of "phytoncides"]. Akad. Nauk S.S.S.R. Dok. 38: 157-160. Feb. 1943. 511 P444A

Onion and garlic are most effective bactericides among the newly discovered ones of plant origin in medical practice.

850 FRANZKE, C. J., and HUME, A. N. Liberation of HCN in sorghum. Amer. Soc. Agron. J. 37: 848-851. Oct. 1945. Ref. 4 Am34P

851 GALLOT, S. Recherche, dans quelques végétaux, des organes ou tissus les plus riches en vitamine C. Soc. de Biol. Compt. Rend. 135: 119-121. Feb. 1941. 442.9 P21

852 LAMURE, J. Les constituants glucidiques de *Vidalia volubilis* et de *Haloothys pinastroides*. Paris. Acad. des Sci. Compt. Rend. 218: 246-247. Feb. 7, 1944. 505 P21

853 LAVOILLAY, J., and LABOREY, MME. Synthèse de la lactoflavine par *Aspergillus niger*, conséquence de la carence magnésienne et de la restriction des oxydations cellulaires. Ann. de Ferment. 6: 129-142. July/Sept. 1941. 390.08 An72

854 LEMOIGNE, M. Les glucides des tubercules de topinambour. Ann. des Ferment. 6: 193-227, 257-288. (To be cont.) Oct./Dec., Dec. 1941. 390.08 An72

855 MARION, L. The alkaloids of *Sedum acre* L. Canad. J. Res. Sect. B, Chem. Sci. 23: 165-166. Sept. 1945. 470 C16B

856 PLOUVIER, V. Sur la présence d'aucuboside dans l'*Eucommia ulmoides* Oliv. (Eucommiaceae). Paris. Acad. des Sci. Compt. Rend. 218: 605-607. Apr. 3, 1945. 505 P21

857 PLOUVIER, V. Sur l'étude biochimique du *Prunus nakaii* Léveillé (Rosaceae). Paris. Acad. des Sci. Compt. Rend. 218: 659-660. Apr. 17, 1944. 505 P21

858 RISI, J., and BRÜLE, M. Étude des huiles essentielles tirées des feuilles de quelques conifères du Québec. Canad. J. Res. Sect. B, Chem. Sci. 23: 199-207. Sept. 1945. 470 C16B

#### SILVICULTURE

859 BISHOP, W. J. Timber as a crop. So. Austral. Dept. Agr. J. 49(1): 26-34. Aug. 1945. 23 So84

Experience in growing *Pinus radiata* and *Eucalyptus* species to replace worn-out orchards in South Australia.

860 CALLAHAN, J. Florida experiments with imported tree seeds. South. Lumberman 171(2150): 44. Nov. 1, 1945. 99.81 So82

861 CARMELICH, J. N. F. Instrucciones para el cultivo de pinos. Argentina. Min. de Agr. Almanaque (1945) 20: 281-282. 9 Ag874

862 CARMELICH, J. N. F. Instrucciones para el cultivo del eucalipto. Argentina. Min. de Agr. Almanaque (1945) 20: 171-173. 9 Ag874

863 CHAMPION, H. G. Genetics in forestry. Empire Forestry J. 24: 12-13. July 1945. 99.8 Em72

864 CLEMENS MIRALLES, E. El eucalipto en las repoblaciones forestales. Cult. Mod. 28(1): 16. Jan. 1945. 15 C89

865 DAY, M. W. Spruce-fir silviculture. Mich. Agr. Expt. Sta. Q. B. 28(1): 59-65. Aug. 1945. 100 M58S

866 GOUDREAU, R. Sylviculture (première impression). Forêt Québécoise 10: 337-339. Nov. 1945. 99.8 F79

Account of reforestation of 75 acres in Quebec. 867 HUMBLET, P. La régénération par le reboisement des terres épuisées du Bas-Congo. B. Agr. du Congo Belge 35: 137-165. 1944. 24 K83

868 MALMSTRÖM, C. Korta anvisningar för bedömning av torvmarkers lämplighet för skogsodling. Sweden. Statens Skogsförsöksanstalt. Pop. Skr. 6, ed. 2, rev., 17 p. Stockholm, 1940. 99.9 Sw32S

Reclamation of peat lands for forest improvement.

869 MASCARENHAS, J. P., and PAIS, S. Trench-mound method of afforestation. Indian Farming 6: 109-111. Mar. 1945. 22 In283

870 MITCHELL, T. Hybrid oak crop - trees. Fantastic possibilities, discoveries and work accomplished so far. Trees [Dorchester] 9: 53-56. Oct./Dec. 1945. 99.8 T714

871 MYRING, B. British Columbia prepares for the future. Brit. Columbia Lumberman 29(11): 75. Nov. 1945. 99.81 B77

Directions for gathering Douglas-fir cones for sale to Forest Branch.

872 PARSONS, T. H. Further notes on balsa experiments at the Royal Botanic Gardens, Peradeniya. Trials and errors. Trop. Agr. [Ceylon] 100: 243-247. Oct./Dec. 1944. 26 T751

873 TIRÉN, L. Skogsträdens fruktsättning år 1943. Sweden. Statens Skogsförsöksanst. Flygbbl. 57, 12 p. n. p., 1944. 99.9 Sw32F

Tree seed production prospects in Sweden, 1943.

874 WEATHERBY, H. Planting a forest crop; the B. C. Forest Service is creating new forest areas through the careful use of seedlings. Family Herald and Weekly Star 76(45): 3-4. Nov. 7, 1945. 7 F21

#### FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

#### General

875 ARGENTINA, MINISTERIO DE AGRICULTURA. DIRECCION DE CERRALES, LINO Y FORRAJES. Labor que desarrolla la Direccion de Cereales, Lino y Forrajes, y principales problemas que se ha propuesto encarar. "Granos" Semilla Selecta 8(7/9): 3-5. July/Sept. 1944. 9 G762

876 CIFERRI, R. Problemi delle piante agrarie delle oasi libiche ed extra-libiche. (Abs.) Nuovo Gior. Bot. Ital. (n. s.) 49: 493. 1942. 450 M92

877 DAMBACH, C. A. Some biologic and economic aspects of field border management. North Amer. Wildlife Conf. Trans. 10: 169-184. 1945. Ref. 412.9 N814

878 DAVISON, V. E. Field borders attract wildlife. Furrow, Balt. - E [Ed.] 50: 5. Sept./Oct. 1945. 6 F98B

879 GARCIA ROMERO, A. Ante la epoca de sembrar. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 147-152. Madrid, 1945. 15 Spl2C

880 GARCIA ROMERO, A. Semilleros. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(11): 13-14. Feb. 1945. 15 Spl2

Seedbeds for field crops and vegetables.

881 HURWITZ, S., and GAVRIELIT-GELMOND, H. Trials for determining the harvesting times of maize and sunflowers for seed. (In Hebrew.) Hassadeh 25: 391-394. July 1945. 26 H27

882 YAKUSHKIN, I. V. O luchshem ispol'zovanii semennogo i posadochnogo materiala [Concerning the better utilization of seed and planting material]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazova. Dok., No. 1, p. 20-21. 1945. 20 M857

Field crops and vegetables.

883 FÜRSTOVSKIĬ, M. Uplotnit' posevy, sobirat' po dva urozhai v god [Intensive planting for harvesting two field crops a year]. Soŭkholist. Sel'sk. Khoz. 12(7/8): 51-56. July/Aug. 1941. 281.8 So73

884 LAMAS, P. J. A. El número de frecuencias y la precision en los ensayos de campo. "Granos" Semilla Selecta 8(4/6): 3-16. Apr./June 1944. 9 G762



885 LANG, A. L. A story from the Morrow [field crop] plots. Furrow, Balt. - E [Ed.] 50: 4. Sept./Oct. 1945. 6 P98B

886 MOORE, H. I. The nurse crop in ley establishment; an analysis of twelve years' records. Gt. Brit. Min. Agr. Agriculture 52: 245-248. Sept. 1945. 10 G79J

887 MURRAY, J. Looking backward at crops [during the last twenty-five years in western Canada]. Country Guide 64(7): 11, 33-34. July 1945. 7 G76

888 PERICCIOLI, M. L'ordinamento culturale nell'Appennino Centrale. Ente Consorziale Interprov. Toscana per le Sementi. Ann. 3: 163-172. 1939/43, pub. 1945. 16 En82

Rotation of crops in Apennine region, including pastures and potatoes.

889 PLESHKOV, P. P. Sochetanie khlopkovodstva s zernovym proizvodstvom v polivnykh rayonakh Zernovskoy doliny [Combining cotton growing with grain production in the irrigated regions of the Zernovskan Valley]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok., No. 1, p. 140-142. 1945. 20 M857

890 SAMOUKOV, I. Sevooboroty v kolkhozakh nechernozemnoy polosy [Rotation of crops on the collective farms in the "nechernozem" area]. Sotsialist. Sel'sk. Khoz. 12(6): 3-11. June 1945. 281.8 S673

891 YARDENAI, J. Crop rotation in the Nahalal farm plots. (In Hebrew.) Hassadeh 25: 397-399. July 1945. 26 H27

#### Cereals

892 ARMSTRONG, S. F. Cereal varieties for autumn sowing. Gt. Brit. Min. Agr. Agriculture 52: 295-297. Oct. 1945. 10 G79J

893 BARROSO, A. Temas trigueros. Cultivos extensivos o intensivos? Siembra 1(1): 62-63. Jan. 1945. 15 S11

894 BIFFEN, W. More wheat wanted; is it a suitable smallholding crop? Smallholder 74(1856): 16. Oct. 12, 1945. 10 Sml

895 BURKART, A. Noticia sobre dos variedades de cebada desnuda, cultivadas en pesquería escala en la Argentina. Rev. Argentina de Agron. 12: 216-221. Sept. 1945. 9 R327

896 BUTLER, E. Hybrids, well fertilized, will make corn. Prog. Farmer, Tex. Ed. 60(12): 16, 76. Dec. 1945. 6 T311

897 CREPIN, C. Quelques enseignements à tirer des campagnes précédentes dans la culture du blé. Acad. d'Agr. de France. Compt. Rend. 27: 42-50. Jan. 8/15, 1941. 14 P215Bc

898 DOBROKHOTOV, V. N. Prichiny nizkoy vskhozhlosti semian [Reasons for the low germination of grain seed]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok., No. 1, p. 25-28. 1945. 20 M857

899 FLORES POVEDA, A. Breves indicaciones sobre el cultivo del trigo. Sementera (ser. 2), No. 2, p. 41-42. May 28, 1945. 9.5 Se3

900 GEZE, J.-B. Préparation des semences de céréales. Prog. Agr. et Vitic. 114: 390-391. Dec. 8, 1940. 14 P94

901 HALPERIN, A. Crop areas and new varieties in cereal-growing in the period 1940/41-1943/44. (In Hebrew.) Hassadeh 25: 386-388. (To be cont.) July 1945. 26 H27

902 HLYNKA, K. Canada's malting barley is subject to extensive laboratory tests. Canad. Grain J. 1(4): 9-10. Nov. 1945. 59.8 G16

903 HOROVITZ, N. Los principales trigos argentinos de invierno y primavera. "Granos" Semilla Selecta 8(10/12): 37-38. Oct./Dec. 1944. 9 G762

904 IOWA STATE COLLEGE OF AGRICULTURE. Development of superior varieties of oats. Grain & Feed J. Consolidated 95: 280. Oct. 10, 1945. 298.8 G762

905 JACQUES, C. La culture du riz non aquatique dit de montagne. New Caledonia. Chambre d'Agr. Rev. Agr., Apr. 1945, p. 5529-5535. 25 N43

906 LAVRUSHIN, M. Raionirovanie sortov ozimoi pshenitsy [Regional distribution of winter varieties of wheat]. Sotsialist. Sel'sk. Khoz. 12(7/8): 88-90. July/Aug. 1941. 281.8 S673

907 LJUNG, E. W. Rågodling och rågförädling. Lantmannen 29: 716-718. Aug. 11, 1945. 11 L234

Cultivation of rye.

908 LOTTI, A. Mejores rendimientos en los cultivos de maíz con los híbridos comerciales. Soc. Rural Argentina. An. 79: 649-652. Aug. 1945. 9 Sol

909 MCLOUGHLIN, D. E. Wheat production in Southern Rhodesia. Rhodesia Agr. J. 42: 221-242. May/June 1945. 24 R34

910 MARCHIONI, A. E. Mejoramiento del maíz amargo. Suelo Argentino 4: 541. Aug. 1945. 9 Su2

911 MITRA, A. K., and GUPTA, P. S. Production of more rice per acre in the United Provinces. Indian Farming 6: 398-402. Sept. 1945. 22 In283

912 MORALES ANTEQUERA, C. Ante la siembra del trigo; algunos consejos a los agricultores. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 147-152. Madrid, 1945. 15 Spl2C

913 NEATBY, K. W. Wheat varieties 1941-1945. Seedtime & Harvest, No. 131, 1 p. Winnipeg, 1945. 7 Se3

914 NICOLAS, G. Sur la préparation des semences de céréales. Prog. Agr. et Vitic. 114: 400-402. Dec. 15, 1940. 14 P94

915 NUÑEZ, A. Cuidados culturales del maíz. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 368. Sept. 20, 1945. 9.9 G15B

916 NUÑEZ, A. El cultivo del trigo ofrece este año buenas perspectivas. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 245. June 7, 1945. 9.9 G15B

917 NUÑEZ, A. Indicaciones sobre el cultivo del maíz. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 324. Aug. 16, 1945. 9.9 G15B

918 NUÑEZ, A. Instrucciones sobre cultivo del maíz. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 338. Aug. 30, 1945. 9.9 G15B

919 NUÑEZ, A. Siembra escalonada de maíz. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 361. Sept. 13, 1945. 9.9 G15B

920 OBREGÓN, G. Investigaciones sobre densidad y distancias de trigo. Agr. Trop. 1(8): 7-11; (9): 7-12. Sept., Oct. 1945. 26 Ag8

921 PEYRONEL, B. A proposito di un caso di deterioramento di frumento coltivato su prato naturale dissodato. Nuovo Gior. Bot. Ital. (n. s.) 49: 290-292. 1942. 450 N92

922 PIEDRAHITA, H. Producción de buena semilla de maíz. Agr. Trop. 1(8): 20-21. (Concl.) Sept. 1945. 26 Ag8

923 LA QUINUA, el "pan internacional de los pobres." Chacra 15(179): 104. Sept. 1945. 9 C34

Chenopodium quinoa.

924 REISS, A. Problem in cereal-growing in southern Palestine. (In Hebrew.) Hassadeh 25: 388-391. July 1945. 26 H27

925 RIVAROLA, E. Mejorando el sistema de siembra de maíz en Motupe. Inform. del SCIPA. Ser. para los Agr., No. 5, p. 19-22. Dec. 1944. 9.8 P435

926 ROBINSON, J. F. A summary of oat variety trials at the College Farm, Aber, 1933-44. Welsh J. Agr. 18: 59-71. July 1945. 10 W46

927 RUNDQUIST, J. F. Illinois develops Prairie wheat. Ill. Agr. 50(1): 6. Oct. 1945. 6 IL6

928 SOTO BARRIOS, V. Algunas consideraciones acerca del cultivo del trigo en la Provincia de Cautín. Unión Agr. del Sur 3(18/19): 35-36. July/Sept. 1945. 9.3 Un3



929 SUNDELIN, G. Höstsåden - kalkning, gödsling och sortval. Lantmannen 29: 711-713. Aug. 11, 1945. 11 L234

Cultivation of winter wheat and rye.

930 URI, J. Means and technics in cereal-growing. (In Hebrew.) Hassadeh 25: 482-484. July 1945. 26 H27

931 VAN WYK, N. J. Increase your maize crop. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 154, 2 p. Pretoria, 1945. 24 So82Pa

932 VAN WYK, N. J. Means to a maximum maize crop. Farmer's Weekly [Bloemfontein] 70: 121. Sept. 26, 1945. 24 F225

933 VIGIL, C. C. La producción de maíz. Chacra 15(179): 10. Sept. 1945. 9 C34

### Fiber Crops

934 BOURDIOL, H. Une nouvelle grande culture pour l'Afrique du Nord. Prog. Agr. et Vitic. 116: 26-27. July 13, 1941. 14 P94

Cotton.

935 FERNANDEZ DE LA LANZA, M. Cultivo del algodón. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 477-480. June/July 1945. 8 G934

936 FURLANI, J. A. El cultivo del cáñamo para fibra y semilla. Chacra 14(164): 30, 72. June 1944. 9 C34

937 JIMÉNEZ CUENDE, F. Las plantas textiles en la colonización. Agricultura [Madrid]. Sup. de Colon., No. 3, p. 2-7. May 1945. 15 Ag84B

938 KNUTSSON, G. Handryckning av spånadslin på frammarsch. Lantmannen 29: 792-793. Sept. 1, 1945. 11 L234

Harvesting flax by hand to insure better quality.

939 LEIRA, A. R. El cáñamo; importancia y posibilidades de su cultivo en el país. Suelo Argentino 4: 517-519. Aug. 1945. 9 Su2

940 PAVATE, R. S. V. C. Cultivation of Gadag 1 (upland) cotton. Indian Farming 6: 112-113. Mar. 1945. 22 In283

941 RAMOS, I. Causas da baixa produtividade do algodão e meios de evitá-la. Rev. de Agr. [Piracicaba] 20: 211-228. July/Aug. 1945. 9.2 R324

Culture, varieties, and ginning.

942 REMUSSI, C. El cultivo del lino textil. Campo [Buenos Aires] 29(347): 46-48, 70. Sept. 1945. 9 C15

943 SAGOT-LESAGE, M. La culture du chanvre dans le Lot au temps jadis. Prog. Agr. et Vitic. 114: 402-405. Dec. 15, 1940. 14 P94

944 SHENDERETSKII, E. Prodvizhenie novykh lubitsnykh kul'tur v bolee severnye raiony. Sotsialist. Sel'sk. Khoz. 12(7/8): 92. July/Aug. 1941. 281.8 So73

Cultivation of bast crops in northern regions.

945 WEBBER, H. H. A tropical winter plant breeding station enabling two field generations [of cotton] a year. Amer. Soc. Agron. J. 37: 859-861. Oct. 1945. 4 Am34P

Station near Acapulco, Mexico, maintained by the National Cotton Council of America, Dallas, Tex., in cooperation with the Mexican Department of Agriculture.

### Forage Crops and Grasses

946 ADAMS, B. Strawberry clover: a suggestion. Cornell Plantations 1: 60-62. Summer 1945. 409.6 C182

Use as a forage plant in the East and as a ground cover plant.

947 ALLEN, L. C. Year-round grazing for west Texas. Prog. Farmer, Tex. Ed. 60(11): 22, 72. Nov. 1945. 6 T311

948 ANDRADE, B. M. DE. O capim de Rhodes (Chloris gayana Kunth). Rev. dos Criadores 16(8): 26-28. Aug. 1945. 43.8 R32

949 ANGELL, G. N. Oregon goes to grass.

Oreg. Farmer 68: 575, 590. Nov. 1, 1945. 6 Or32

Work of H. A. Schoth, Division of Forage Crops and Diseases, U. S. Dept. of Agriculture.

950 ABERLSON, J. Skördetidsförsöket vid Offer [Harvest time experiments at Offer, Sweden]. Lantmannen 29: 766-767. Aug. 25, 1945. 11 L234

Nutritive value of hay in relation to harvest time.

951 BABCOCK, H. E. Tailhold on a pasture; islands of tall-growing grasses in rough and rocky land. Farm J. 69(11): 40-41. Nov. 1945. 6 F2212

952 BAVER, L. D. More and better pastures is 1946 battle cry. Prog. Farmer, Car.-Va. Ed. 60(11): 18, 71. Nov. 1945. 6 P945

Recommends use of idle land for pastures to increase livestock production in North Carolina.

953 BELL, A. Permanent pastures. Carolina Co-op. 23(10): 11, 14, 24. Oct. 1945. 72.8 N81

954 BENHAM, E. H. Lucerne establishment for hay. Tasmanian J. Agr. 16: 95-99. Aug. 1, 1945. 23 T182

955 BENNETT, H. W. Seeding for winter [forage] crops. Flour & Feed 46(5): 18. Oct. 1945. 298.8 F66

956 BIFFEN, W. Leave mangolds till the leaves die down: don't lift too early. Smallholder 74 (1857): 16. Oct. 19, 1945. 10 Sml

957 BRACKEN, L. O. Like their lupines blue. Furrow, Atlanta - D [Ed.] 50: 5. July/Aug. 1945. 6 F98A

958 BRAY, C. I. Increasing beef production--by better pastures--by better management. Prog. Farmer, Miss.-Ark.-La. Ed. 60(11): 20. Nov. 1945. 6 So81

959 CALLAGHAN, P. Fodder conservation. Red Comb B. 180, p. 11-12. Sept. 1945. 47.8 R24

Forage plants in Australia.

960 CARISS, H. G. The utilization of cereals for green fodder. West. Austral. Dept. Agr. J. (ser. 2) 22: 154-162. June 1945. Ref. 23 W52J

961 CARLSSON, H., and GRONBERG, F. Bina och rödskiverfröodlingen [The bees and the cultivation of red clover]. Lantmannen 29: 673-674. July 28, 1945. 11 L234

962 CERTIFIED seeds; New Zealand's grasslands policy. By Investigator. New Zeal. Farmer Weekly 66(14): 6. Sept. 6, 1945. 23 M84

963 COLLINS, W., JR. Smooth brome--the farmer-stockman's grass. Irrig. Farmer 3(7): 1, 7. Nov. 1, 1945. 55.8 Ir78

964 COSTELLO, D. F. Know your range grasses and plants. Big sagebrush (Artemisia tridentata). Westerner 8(9): 18-21. Oct. 1945. 49 W522

965 CULBERTSON, R. E., and CARVAJALINO, J. Prácticas de la henificación. Agr. Trop. 1(8): 30-36. Sept. 1945. 26 Ag8

966 DAKERS, W. J. Then and now; former Taranaki farmer compares pasture practice. New Zeal. Farmer Weekly 66(14): 54-55. Sept. 6, 1945. 23 N484

967 DAVIES, R. O., and MILTON, W. E. J. Direct reseeding of forage plants, on upland peat. Welsh J. Agr. 18: 43-47. July 1945. Ref. 10 W46

968 DEBIEN, G. Land clearings and artificial meadows in eighteenth-century Poitou. Agr. Hist. 19: 133-137. July 1945. 30.98 Ag8

969 DICKEY, J. B. R. Pasture renovation. Pa. Farmer 133: 205, 219. Oct. 27, 1945. 6 P383

970 DU TOIT, J. J. Maize and other fodder crops. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 155, 2 p. Pretoria, 1945. 24 So82Pa

971 EASLEY, T. Hairy vetch. Ark. Farmer 47(10): 7, 22. Oct. 1945. 6 Ar42

972 ELLISON, W. Seed production of forage plants, at high elevations. Welsh J. Agr. 18: 53-57. July 1945. 10 W46



- 973 EMERSON, A. W. Crested wheatgrass has everything. Furrow, Salt L. - D [Ed.] 50: 4, 12. July/Aug. 1945. 6 F98Sa  
Also in Furrow, Minn. - D [Ed.] 50: 4, 12. July/Aug. 1945. 6 F98Mi
- 974 EVANS, G. Seed production of forage plants. Welsh J. Agr. 18: 49-51. July 1945. 10 W46
- 975 FAGAN, T. W., PHILLIPS, R., and DAVIES, R. O. Kale and kale silage. Welsh J. Agr. 18: 75-78. July 1945. 10 W46
- 976 FIORI, A., and ROCCHETTI, G. Ricerche botaniche e chimico-bromatologiche su alcuni fieni dell'impero. R. Ist. Agron. per l'Africa Ital. Relaz. e Monog. Agr.-Colon. 58, 75 p. Firenze, 1940. 16 Is7
- 977 FITZGERALD, O. A. Grass beats sagebrush; range feed supply zooms as ranchers plant grass on former waste land. Farm J. 69(11): 66-67. Nov. 1945. 6 F2212
- 978 FRALEIGH, H. Long term beef pasture. Aberdeen-Angus J. 27(3): 31, 113. Oct. 1945. 43.8 Ab3
- 979 FYNN, C. A. La remolacha forrajera. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 330. Aug. 23, 1945. 9.9 G15B
- 980 GONZÁLEZ, A. DE J. Estudios sobre los pastos. La yerba de Bahía [Paspalum notatum]. Rev. Ganad. [Habana, 5(5/6): 37-38. May/June 1945. 49 R321
- 981 GRAHAM, H. A. Better grazing on the [southern Great] Plains. Breeder's Gaz. 110(11): 14, 29. Dec. 1945. 49 B74
- 982 GRIFFITH, M. Establishment of leys. Welsh J. Agr. 18: 9-12. July 1945. 10 W46
- 983 GRIFFITHS, R. L. Two grasses give balance with clover in pastures of Adelaide Hills. Farmer and Settler 40(29): 8. Aug. 17, 1945. 23 F226  
Pasture management in Australia.
- 984 GWILLIAM, T. E., BUDDICOM, V. D., and PERKINS, N. S. Experience in ley farming. Welsh J. Agr. 18: 29-34. July 1945. 10 W46
- 985 HACKNEY, H. H. Grassland farming for fun. Aberdeen-Angus J. 27(4): 19, 100-102. Nov. 1945. 43.8 Ab3
- 986 HENRY, T. El sorgo feterita (Sorghum caudatum Stapf), un forraje que debe conocerse. Uruguay. Min. de Ganad. y Agr. B. Inform. 2(80): 320. Aug. 9, 1945. 9.9 G15B
- 987 JENKIN, T. J. The foundations of ley farming. Welsh J. Agr. 18: 5-7. July 1945. 10 W46
- 988 JOHNSON, I. Brome grass. West. Farm Life 47(17): 10, 29. Oct. 15, 1945. 6 R153
- 989 KETCHAM, D. Rhodes grass creates interest. Calif. Cult. 92: 583. Oct. 27, 1945. 6 C12
- 990 KUNKLER, L. E. Permanent pastures. Thoroughbred of Calif. 4(18): 32-33; (19): 26, 44. Oct.-Nov. 1945. 42.8 T393
- 991 LEES, A. B. 3 lb. beef per day from leys; comparisons with old grass--cocksfoot and timothy leys at Warwickshire demonstration. Farmer & Stock-Breeder 59: 1558. Oct. 2, 1945. 10 F228
- 992 LUCERNE. New Zeal. J. Agr. 71: 165-169, 171-175, 177-178. Aug. 15, 1945. 23 N48J
- 993 MCGUCKIAN, A. A. The pivotal crop [grass.]. Agr. Ireland 3: 133-135. Nov. 1945. 10.5 Ag8
- 994 MCTAGGART, A. C. Hay and pasture crops. Canad. Countryman 34(21): 38-40. Oct. 13, 1945. 7 C833
- 995 MANSFIELD, W. S. Lucerne and sainfoin. St. Brit. Min. Agr. Agriculture 52: 255-258. Sept. 1945. 10 G79J
- 996 MAULDIN, R. C. Wet land native perennial bunch grasses. Tex. Livestock J. 4(10): 11, 46. Oct. 15, 1945. 49 T29
- 997 MESSERI, A. Risultati di alcune esperienze di coltivazione di *Lagurus ovatus* L. Nuovo Gior. Bot. Ital. (n. s.) 49: 300-303. 1942. 450 N92
- 998 POTTS, R. C., and HENSEL, R. L. Some preliminary trials with rescue grass. Sheep and Goat Raiser 26(2): 28. Nov. 1945. 45.8 Sh3
- 999 PRESNALL, C. C. All flesh is grass. North Amer. Wildlife Conf. Trans. 10: 224-228. 1945. 412.9 N814  
Range conservation.
- 1000 RATCLIFF, H. M., and SUMNER, L. National park wildlife ranges. North Amer. Wildlife Conf. Trans. 10: 246-250. 1945. 412.9 N814
- 1001 RICH, A. Farmers should grow roughage. R. I. State Col. Ext. Better Rural Life 6(10): 3. Oct. 1945. 275.29 R34B
- 1002 ROBERTS, E. J. The place of broadcast kale in ley farming. Welsh J. Agr. 18: 41-42. July 1945. 10 W46
- 1003 SEVERSON, H. Bicolor lespedeza salvages waste strips. Seed World 58(7): 12, 14. Oct. 5, 1945. 61.8 Se52  
Cultivated as food for wildlife.
- 1004 SIMONTON, H. R. Good Ladino pasture will cut [poultry] feed bill about 25%. Prairie Farmer, Gen. Ed. 117(22): 46. Oct. 27, 1945. 6 F683
- 1005 SNIDER, H. J. Legumes improve pasture grasses. Hoard's Dairyman 90: 641. Nov. 10, 1945. 44.8 H65
- 1006 STEWART, W. A. Ley farming in Great Britain, and its effects during and at the termination of tenancies. Chartered Surveyors' Inst. J. 24: 412-419. Apr. 1945. 282.29 C38J  
Discussion, p. 419-426.
- 1007 STOKES, W. E. How to grow Florida clover; research produces crop for winter grazing. Fla. Grower 53(11): 18. Nov. 1945. 80 F6622
- 1008 THERON, G. C. Green pasturage for winter. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 150. 2 p. Pretoria, 1945. 24 So82Pa
- 1009 THOMAS, M. T. The management of the ley. Welsh J. Agr. 18: 13-15. July 1945. 10 W46
- 1010 TORRIE, J. H., and ALLISON, J. L. Methods of evaluation of red clover strains grown alone and with timothy in small plots. Amer. Soc. Agron. J. 37: 852-857. Oct. 1945. 4 Am34P
- 1011 UNION OF SOUTH AFRICA. [DEPT. OF AGRICULTURE AND FORESTRY.] DIVISION OF SOIL AND WELD CONSERVATION. Possible substitute for kudzu; experimental results with *Glycine javanica*. Farmer's Weekly [Bloemfontein] 70: 169, 171. Oct. 3, 1945. 24 F225
- 1012 MALLIN, B. Bete från Åkerjord på smågårdar. Lantmannen 29: 827-828. Sept. 15, 1945. 11 L234  
Directions for growing pasture grass in Sweden.
- 1013 WHITE, A. L. Fall care of permanent pastures. West. Livestock J. 23(59): 132-135. Oct. 15, 1945. 6 F2278
- 1014 WILKS, T. N. Autumn sowing of herbage seeds. Gt. Brit. Min. Agr. Agriculture 52: 298-300. Oct. 1945. 10 G79J
- 1015 WILSON, R. J. Production of grass and clover seeds as a post-war activity. Tasmanian J. Agr. 16: 115-117. Aug. 1, 1945. 23 T182

#### Oil Crops

- 1016 APPLEMAN, M. D. The place of soybeans in the rotation. Soybean Processors' Conf. Rpt. (1944) 1: 15-18, processed. 275.29 IL62Pag
- 1017 ARGENTINO. MINISTERIO DE AGRICULTURA. DIVISION PRODUCCION DE LINO. Resultado de los ensayos comparativos de rendimiento "standard" entre variedades de lino para grano realizados en el año agrícola 1942-43. "Granos" Semilla Selecta 8(10/12): 3-36. Oct./Dec. 1944. 9 0762



1018 B., G. Culture du soja.--Résultats obtenus. Prog. Agr. et Vitic. 114: 424-425. Dec. 22/29, 1940. 14 P94

1019 BANDEIRA, A. T. Cultivo de girasol. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 368. Sept. 20, 1945. 9.9 G15B

1020 BIDDLE, C. E. Soybean developments in Indiana. Soybean Digest 5(11): 21-22. Sept. 1945. 60.38 So9

1021 BORDAS, J. Les possibilités actuelles de culture de plantes oléagineuses dans le Midi de la France. Prog. Agr. et Vitic. 114: 198-203. Oct. 6, 1940. 14 P94

1022 BUCHET, G., and DENOY, I. Essai de soja entrepris au Centre National d'Expérimentation Agricole du Midi (Domaine du Merle par Salon-de-Provence (Bouches-du-Rhône) année 1940). Prog. Agr. et Vitic. 114: 313-317. Nov. 17, 1940. 14 P94

1023 C., V. La possibilité de cultiver l'arachide dans le Midi de la France. Prog. Agr. et Vitic. 114: 139. Sept. 8, 1940. 14 P94

1024 DELLAZOPPA, J. G. El maní debe merecer mayor atención de nuestros agricultores. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 369. Sept. 20, 1945. 9.9 G15B

1025 DIMITRI, M. J. La resistencia del girasol (*Helianthus annuus* L.) a las sequías estivales. "Granos" Semilla Selecta 8(1/3): 29-31. Jan./Mar. 1944. 9 0762

1026 DOMINGO, W. E., and CROOKS, D. M. Investigations with the castor-bean plant: II. Rate-of-planting and date-of-planting tests. Amer. Soc. Agron. J. 37: 812-820. Oct. 1945. 4 Am34P

1027 FUELLERMAN, R. F. How soybean varieties behave. Soybean Processors' Conf. Rpt. (1944) 1: 3-7, processed. 275.29 IL62Pag

1028 HEBERARD, J. La culture du tournesol ou grand soleil (*Helianthus annuus* L.). Prog. Agr. et Vitic. 114: 203-208. Oct. 6, 1940. 14 P94

Figures on yield in this article corrected by J. Mahour on p. 246-247 of same journal, Oct. 20, 1940.

1029 HENSON, P. R. Southern soybean program of the U. S. Regional Soybean Laboratory. Soybean Digest 5(11): 47. 60 Sept. 1945. 60.38 So9

1030 JOLY, R. L. Le soja, plante cosmopolite de grand intérêt familial et industriel. Génie Rural et Elect. Rurale 33: 15. Nov./Dec. 1940. 58.8 Au8

1031 LAURANCE, P. Le soja. Prog. Agr. et Vitic. 114: 7-10. July 7, 1940. 14 P94

1032 MEUNISSIER, A. Le sésame. Petit Casablancais 30(1230): 4. Sept. 15, 1945. 280.8 P44

1033 MEYER, H. Open sesame. Organic Gard. 7(6): 11-12. Nov. 1945. 56.8 Or3

1034 MUELLO, A. C. Cultivo del maní en la República Argentina. Bolsa de Com., Rosario, Rev. 33 (808): 13-16. Sept. 15, 1945. 287 R71

1035 OLIVA, M. La coltivazione del lino da olio in montagna. Ente Consorziato Interprov. Toscano per le Sementi. Ann. 3: 207-217. 1939/43, pub. 1944. 16 En82

1036 POLLOCK, N. A. R. The soya bean. Red Comb B. 172, p. 47. May/June 1944. 47.8 R24  
Includes peanuts.

1037 WRENSHALL, S. L. No explanation why peanuts develop underground. Peanut J. and Nut World 25(1): 78-79. Nov. 1945. 77.8 P313

#### Sugar Crops

1038 ARCENEAUX, G. The [sugarcane] variety census for 1945. Sugar B. 24: 12-13. Oct. 15, 1945. 65.9 Am32

1039 BELL, R. W. Harvest is here--do a good job. Sugar Beet J. 10: 143-145. Nov./Dec. 1945. 66.8 Su38

1040 DECOUX, L., and others. La culture en mélange intime de variétés à grand et à petit bouquet foliaire. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 495-507. Sept./Oct. 1944. 66.9 In7  
J. Vanderwaeren, M. Simon, and L. Ernould, joint authors.

1041 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Graine monogerme. II. Communication. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 517-521. Sept./Oct. 1944. 66.9 In7  
English summary.

1042 DECOUX, L., and others. Quelques traitements de la graine de betterave. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 487-494. Sept./Oct. 1944. 66.9 In7  
J. Vanderwaeren, M. Simon, and L. Ernould, joint authors.

1043 DECOUX, L., and others. La susceptibilité variétale de la betterave à la montaison précoce et tardive. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 465-475. Sept./Oct. 1944. 66.9 In7  
J. Vanderwaeren, M. Simon, and W. van Goidsenhoven, joint authors.

1044 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Variétés de betterave à grand et à petit bouquet foliaire. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 477-481. Sept./Oct. 1944. 66.9 In7

1045 DECOUX, L., and others. Les variétés de betterave sucrière en Belgique de 1939 à 1943. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 395-450. Sept./Oct. 1944. 66.9 In7  
J. Vanderwaeren, M. Simon, and W. van Goidsenhoven, joint authors.

1046 DECOUX, L., VANDERWAEREN, J., and ERNOULD, L. La végétation de la betterave en Belgique au cours de l'année 1943. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 65-92. Mar./Apr. 1944. 66.9 In7  
English summary.

1047 DEICOLA DOS SANTOS, A. Modernização da lavoura canavieira. Brasil Açucareiro 25(6): 546-547. June 1945. 65.8 B73  
New systems for sugarcane culture.

1048 ERNOULD, L. Le bouturage chez la betterave. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 55-63. Mar./Apr. 1944. 66.9 In7

1049 INNISS, B. DE L., comp. Review of reports on visits to Jamaica, Trinidad and British Guiana by Dr. A. E. S. McIntosh, geneticist of the B. W. I. Central Sugar Cane Breeding Station. Brit. West Indies Sugar Assoc. Rpts. on Res. Work 1944: 49-54. 65.9 B774

1050 MCINTOSH, A. E. S. Nobilisation in cane breeding at the British West Indies Central Sugar Cane Breeding Station and its practical results to date. Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. 1944: 26-34. 65.9 B775

Nobilisation is defined as crossing wild species with varieties of *Saccharum officinarum*, called collectively noble canes.

1051 RAMOS NÚÑEZ, G. La caña de azúcar. Rev. Nac. de Agr. [Bogotá] 39(490): 21-23, 25-30. July 1945. 9.4 R32

1052 VALLES ESTRUCH, J. La remolacha. Cult. Mod. 28(1): 13-14. Jan. 1945. 15 C89  
Sugar beets in Spain.

1053 VIDAL, A. Planta de cana. Brasil Açucareiro 26(1): 132-133. July 1945. 65.8 B73

#### Tobacco

1054 ATTYGALE, A. B. Cultivation of bidi tobacco in India. Trop. Agr. [Ceylon] 100: 236-239. Oct./Dec. 1944. 26 T751



1055 BELGAGUY, P. J. M. Sistemas de explotación de los suelos cultivados con tabaco en los Estados Unidos de Norte America. Argentina. Dir. de Tabaco. B. del Tabaco 8: 39-51. Jan./June 1944. Ref. 69.9 Ar32

1056 MATTHEWS, E. L. We can grow Turkish tobacco. South. Planter 106(11): 20-21. Nov. 1945. 6 So89

1057 SIERRA, H. M. Cultivo del tabaco tipo virginia. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 419-437. May 1945. 8 G934

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

##### General

1058 ALLEN, R. C. The horticultural challenge. Natl. Council State Gard. Clubs B. 16(11): 7-8. Oct. 1945. 90.32 N21

Program for home, community, and State work.

1059 ALLINSON, MRS. E. F. A plea for progress of garden clubs; in public relations. Natl. Council State Gard. Clubs. B. 16(11): 8-9. Oct. 1945. 90.32 N21

1060 ANDERSON, E. T. New furrows in horticulture [at University of Minnesota]. Country Guide 64 (11): 24-25. Nov. 1945. 7 G76

1061 ANGLE, P. E. Another angle on plant patent subject. Canad. Florist 40: 357. Oct. 20, 1945. 80 Cl63

1062 BERNON, G. Analogies des méthodes employées en viticulture et en arboriculture fruitière. Prog. Agr. et Vitic. 115: 267-269. Apr. 20, 1941. 14 P94

Rootstock problems for fruit trees and grapevines.

1063 BETTS, E. M. Jefferson's gardens at Monticello. Agr. Hist. 19: 180-182. July 1945. 30.98 Ag8

1064 BUTLER, L. Arctic harvest. Canad. Hort. & Home Mag. Growers' Ed. 58: 209. Nov./Dec. 1945. 80 Cl6

Gardening north of the Arctic Circle.

1065 BUTTERFIELD, H. M. The introduction of crabapples. Calif. Hort. Soc. J. 6: 269-272. July 1945. 81 Cl293

1066 CROWTHER, E. H. School gardening. Gard. Chron. 118: 168. Oct. 20, 1945. 80 Gl62

1067 CUMMINGS, M. B. Lessons from a fruit and vegetable variety garden. New England Homestead 118(20): 3. Oct. 27, 1945. 6 N442

1068 EDGECOMBE, S. W. The romance of garden seed production. Iowa State Hort. Soc. Trans. (1944) 79: 238-250. 81 Io9

1069 EWING, G. If you're a gardener it pays to be a joiner. House Beautiful 87(11): 109, 210-211. Nov. 1945. 296.8 H81

Advantages of membership in a garden club.

1070 GROVE, L. C. 1944 plant testing project. Iowa State Hort. Soc. Trans. (1944) 79: 230-231. 81 Io9

Vegetables.

1071 GROVE, L. C. Victory garden report. Iowa State Hort. Soc. Trans. (1944) 79: 229-230. 81 Io9

1072 HOOD, MRS. V. R. The living memorial program for garden clubs. Natl. Council State Gard. Clubs. B. 16(11): 13-14. Oct. 1945. 90.32 N21

1073 LUNT, H. A. Moisture retention of packing materials. Amer. Nurseryman 82(10): 5-6. Nov. 15, 1945. 80 Am371

1074 M., W. M. Future of professional gardening. Gard. Chron. 118: 161. Oct. 13, 1945. 80 Gl62

1075 MEACHUM, J. L. Using a greenhouse in instruction. Agr. Ed. Mag. 18: 89. Nov. 1945. 275.8 Ag8

Vocational agriculture at Millington High School, Michigan.

1076 PICKETT, B. S. What is horticulture? Iowa State Hort. Soc. Trans. (1944) 79: 224-226. 81 Io9

1077 SVORAI, S. Propagation of variety and stock by reproduction. (In Hebrew.) Hassadeh 25: 426. July 1945. 26 H27

1078 TRUFFAUT, G., and HAMPE, P. L'art de tailler les arbres et les plantes. Acad. d'Agr. de France. Compt. Rend. 28: 356-357. Mar. 18/25, 1942. 14 P215Bc

1079 WESTERN CANADIAN SOCIETY OF HORTICULTURE. Report of proceedings, 1st, 1943, 45 p. Regina, 1944? 82 W522

1080 WESTON, T. A. How cold is a coldframe? Home Gard. 6(4): 83-84. Oct. 1945. 80 H756

1081 WYMAN, D. Why don't they bear fruit? Home Gard. 6(4): 91, 93-95. Oct. 1945. 80 H756

Ornamental plants and fruit trees discussed.

##### Fruits--General

1082 AIKMAN, J. M. The hillculture home orchard. Iowa State Hort. Soc. Trans. (1944) 79: 144-149. Ref. 81 Io9

1083 L'ARBORICULTURE fruitière dans les Pyrénées. Féd. Pyrén. d'Econ. Montagn. Ann. (1939) 8: 55-70. 1940. 280.9 F312

Report by the Directors of the Services Agricoles and the Professors of Horticulture and Agriculture of the Départements Pyrénéens.

1084 BARBINI, M. E. Fruticultura. Cons. Práct. 5(50): 1-4. Sept. 1945. 9 C76

Seasonal spraying for fruit tree diseases.

1085 BRANAS, J. Cultures substitutives. Prog. Agr. et Vitic. 115: 145-147. Mar. 2, 1941. 14 P94

Suggested substitution of other fruit culture for grape culture in France.

1086 BRISEBOIS, D. L'arboriculture fruitière aux Pyrénées Centrales. Féd. Pyrén. d'Econ. Montagn. Ann. (1942/43) 10: 153-213. 1944. 280.9 F312

1087 COOK, L. J. Quality in fruits. Gard. Chron. 118: 171-172. Oct. 20, 1945. 80 Gl62

1088 DESFLASSIEUX, Arbres fruitiers. Prog. Agr. et Vitic. 61: 100-103. Mar. 19/26, 1944. 14 P 94

1089 E., R. B. Making sure of fruits; choose according to your soil. Pop. Gard. 47: 259. Oct. 13, 1945. 80 Gl622

1090 FAURE, J. F. Les destinées de l'arboriculture fruitière. Prog. Agr. et Vitic. 115: 101-104. Feb. 9, 1941. 14 P94

Various aspects of fruit culture in France.

1091 GARDINER, G. F. Every garden should have a few fruit trees; autumn is planting time. Pop. Gard. 47: 266. Oct. 20, 1945. 80 Gl622

1092 GRAVES, H. Growing fruit in Adams County [N. Dak.]. Dakota Farmer 65(22): 21. Nov. 17, 1945. 6 D14

1093 HOWARD, J. Orchard on reclaimed soil [Knox County, Ohio]. Amer. Fruit Grower 65(11): 10, 29-30. Nov. 1945. 80 G85

1094 LANTZ, H. L. What fruit varieties shall we plant. Iowa State Hort. Soc. Trans. (1944) 79: 126-128. 81 Io9

Discussion, p. 128-144.

1095 LAPÉDAGNE, H. Notes sur quelques vergers d'essais dans les Pyrénées en Haute-Garonne. Féd. Pyrén. d'Econ. Montagn. Ann. (1940/41) 9: 166-170. 1942. 280.9 F312

1096 LIBES, R. J. Un verger dans la basse vallée du Gardon. Prog. Agr. et Vitic. 115: 253-258, 270-274, 296-300, 310-314, 332-335, 351-355, 388-391. Apr. 13, 20, 27, May 4, 11, 18, June 1, 1941. 14 P94



- 1097 LUCIONE, P. Improductividad de los frutales. Chacra 15(179): 38. Sept. 1945. 9 C34
- 1098 NATIVIDADE, J. V. Relatório dos trabalhos realizados no Departamento de Pomologia da Estação Agronômica Nacional, durante 1944, e subsidiados pela Junta Nacional das Frutas. Portugal. Junta Nac. das Frutas. B. 5(1): 3-9. Jan. 1945. 286.3939 P83
- 1099 NICHOLS, H. E. Fruit growing in Iowa fifty years ago and now. Iowa State Hort. Soc. Trans. (1944) 79: 67-71. 81 Io9
- 1100 RECASENS, L. DE. Cuidados que reclaman los frutales en invierno. Cult. Mod. 28(1): 12. Jan. 1945. 15 C89
- 1101 S., M. L. Fruits that can be grown in your greenhouse. Pop. Gard. 47: 259. Oct. 13, 1945. 80 G1622
- 1102 SHITT, P. G. Biologicheskie osnovy sorto-isuchenia plodovo-fagodnykh kul'tur [Biological principles of fruit and berries variety study]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, p. 33-37. 1945. 20 M857
- 1103 SHOEMAKER, J. S. Breeding hardy fruits. Country Guide 64(11): 25. Nov. 1945. 7 G76
- 1104 SOKOLOV, M. M. Vosstanovlenie i dal'neyshее rasshirenie plodovodstva v Moskovskoy oblasti [Restoration and further extension of fruit growing in the Moscow region]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, p. 131-133. 1945. 20 M857
- 1105 TUNNEY, R. Variedades de frutales que deben cultivarse en el Uruguay. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 358. Sept. 13, 1945. 9.9 G15B

#### Fruits--Citrus and Subtropical

- 1106 BONNET, P. Sur quelques aspects de l'oléiculture languedocienne. Prog. Agr. et Vitic. 114: 360-368. Dec. 1, 1940. 14 P94
- 1107 DUFFEE, F. J., JR. Summer gold [Pope summer orange, found by miner. Fla. Grower 53(10): 16. Oct. 1945. 80 F6622
- 1108 FOX, F. G. Pruning citrus trees. Fruit World & Market Grower 46(9): 7-8. Sept. 5, 1945. 80 F948
- 1109 FRANCE. MINISTÈRE DE L'AGRICULTURE. DIRECTION DES SERVICES AGRICOLES, DÉPARTEMENT DE L'HÉRAULT. Soins à donner aux oliviers. Prog. Agr. et Vitic. 114: 267-269. Oct. 27, 1940. 14 P94
- 1110 THE GRAPEFRUIT. By Pomelo. Austral. Gard. Lover 21(6): 29-30. Sept. 1, 1945. 80 G1615
- 1111 GREIG, A. M. W. Culture of N. Z. grapefruit, orange, and the mandarin. New Zeal. Dept. Agr. B. 241, 39 p. Wellington, n. d. 23 N48Bu
- 1112 GREY, C. E. Citrus growing in the Gisborne district. Orchardist New Zeal. 18(9): 10. Sept. 5, 1945. 80 Or19
- 1113 JARAMILLO, R. La naranja. U. de Antioquia, No. 64, p. 469-484. May/June 1944. 110 Un3
- 1114 JARAMILLO, R. La pitahaya [cactus]. U. de Antioquia, No. 65, p. 41-54. July/Aug. 1944. 110 Un3
- 1115 KLEIN, J. Avocado growers review history. Calif. Cult. 92: 561, 582. Oct. 27, 1945. 6 C12
- 1116 LEE, R. Cherimoya: a one-piece fruit salad. Mag. Digest 31(6): 95. Dec. 1945. 110 M27
- 1117 LLOVERAS, C. La citricultura de Concordia Corp. Fruticola Argentina. Rev. Ofic. 11(128): 11-15. Aug. 31, 1945. 83 C81
- 1118 MONTERO, R. R. El arbol de Minerva, símbolo de paz. Spain. Min. de Agr. Secc. de Frensa y Pub. Hoja Divulg. de Enseñanza Rural 2(11): 2-3. Feb. 1945. 15 Spl2
- History of the olive.
- 1119 NORTH-COOMBES, G. A. About litchi. Rev. Agr. de l'île Maurice 24: 144-149. May/June 1945. 24 M44

- 1120 NOVELO F., E. Cultivo y explotación del mango. Fomento [monthly], No. 21, p. 6, 26. July 1945. 8 F734
- 1121 RENAUD, P. Création d'une importante pépinière d'oliviers. Prog. Agr. et Vitic. 115: 329-332. May 11, 1941. 14 P94
- Olives at the Ecole Nationale d'Agriculture de Montpellier.
- 1122 ROBLEDO, E. La patria de origen de la chimoya. U. de Antioquia, No. 65, p. 55-57. July/Aug. 1944. 110 Un3
- 1123 ROSE, W. V. The banana (Musa sapientum). Nyasaland Agr. Q. J. 5: 90-92. Oct. 1945. 24 N983
- 1124 S.-C., W. E. Something different. Smallholder 74(1,856): 9. Oct. 12, 1945. 10 Sml
- Passion fruit in South Africa.
- 1125 SMOYER, K. M. Your fall headache. Calif Citrog. 31(1): 18-19. Nov. 1945. 80 C125
- Culture of citrus fruits.
- 1126 T. Les agrumes indo-chinois. Petit Casablancais 30(1230): 1. Sept. 15, 1945. 280.8 P44
- 1127 TERÁN N., V. N. Conocimiento y cultivo de los citrus en el país [Ecuador]. Sementera (ser. 2), No. 2, p. 36-38. May 28, 1945. 9.5 Se5
- 1128 WOLFE, H. S. Contributions to garden from Dark Continent. South. Florist and Nurseryman 58(35): 19. Nov. 23, 1945. 80 So86
- Subtropical fruits introduced from Africa.
- 1129 ZMIRIN, S. The prospects of banana plantations in the shore region. (In Hebrew.) Hassadeh 25: 424-426. (To be cont.) July 1945. 26 H27

#### Fruits--Deciduous

- 1130 B., S. L. Apricots. Countrymen 23(1): 91. Autumn 1945. 281.28 C832
- 1131 BOWMAN, F. T., and DAVIDSON, J. R. Prunes under irrigation. Agr. Gaz. N. S. Wales 56: 359-361, 387-388, 400. Aug. 1, Sept. 1, 1945. 23 N472
- Investigations at Yenda, including pruning, irrigation, and soil management methods.
- 1132 BROADFOOT, H., and WHITTAKER, E. C. The rehabilitation of pome fruit orchards in New South Wales. Agr. Gaz. N. S. Wales 56: 384-387. (To be cont.) Sept. 1, 1945. 23 N472
- 1133 BURKHOLDER, H. Another year with plums and prunes. Ohio Farmer 196(10): 12. Nov. 17, 1945. 6 Oh3
- 1134 CRAMP, K. V. Renovating the farm orchard. Fruit-Grower, Fruiterer, Florist & Market Gard. 100: 291-292. Oct. 18, 1945. 80 F941
- 1135 CUMMINGS, M. B. Cull apples tell a story. Rural New-Yorker 104: 464. Oct. 20, 1945. 6 R88
- 1136 M., J. C. Almeda, middle Tennessee's new summer apple. Tenn. Hort., Nov. 1945, p. 5. processed. 80 T25
- 1137 TOMALIN, T. E. Nice juicy pears for the home garden: a choice for autumn planting. Pop. Gard. 47: 258. Oct. 13, 1945. 80 G1622
- 1138 VERCIER, J. Un arbre fruitier ornemental, le pommier pleureur. Prog. Agr. et Vitic. 115: 412-414. June 8, 1941. 14 P94
- 1139 VERCIER, J. Notes sur le pommier. Prog. Agr. et Vitic. 115: 259-262. Apr. 13, 1941. 14 P94
- 1140 VERCIER, J. Poires d'été généralement peu connues. Prog. Agr. et Vitic. 115: 314-318. May 4, 1941. 14 P94
- 1141 WELDON, G. P. Side grafting stone fruits. Calif. Cult. 92: 566. Oct. 27, 1945. 6 C12
- 1142 YARNELL, S. H. Breeding to solve certain peach problems - wanted: early freestones for mild and colder winters. South. Florist and Nurseryman 58(28): 3-4. Oct. 5, 1945. 80 So86
- 1143 ZIRKIN, D. A technical meeting for the discussion of fruit tree nurseries. (In Hebrew.) Hassadeh 25: 428. July 1945. 26 H27



Fruits--Small

- 1144 BAUDIN, J. Vendanges. Prog. Agr. et Vitic. 114: 179-180. Sept. 29, 1940. 14 P94
- 1145 BERNOW, G. Remarques sur les vignobles de Savoie. Prog. Agr. et Vitic. 114: 419-423. Dec. 22/29, 1940. 14 P94
- 1146 BONNET, A. Quels porte-greffes planter? Prog. Agr. et Vitic. 114: 297-300. Nov. 10, 1940. 14 P94  
Rootstocks for grapes.
- 1147 BRANAS, J. Amélioration de la vigne. Prog. Agr. et Vitic. 114: 357-359. Dec. 1, 1940. 14 P94
- 1148 BRANAS, J. Au vignoble. Prog. Agr. et Vitic. 116: 17-19. July 13, 1941. 14 P94  
Diseases and pests of grapes.
- 1149 BRANAS, J. Choix du porte-greffe. Prog. Agr. et Vitic. 114: 213-216. Oct. 13, 1940. 14 P94  
Rootstocks for grapes.
- 1150 BRANAS, J. Le contrôle technique de la production des plants de vigne. Prog. Agr. et Vitic. 61: 109-111. Apr. 2/9, 1944. 14 P94
- 1151 BRANAS, J. Les fantaisies du 3309 C. Prog. Agr. et Vitic. 115: 327-329. May 11, 1941. 14 P94  
Rootstock for grapes.
- 1152 BRANAS, J. Le greffage des producteurs directs. Prog. Agr. et Vitic. 61: 95-97. Mar. 19/26, 1944. 14 P94  
Rootstocks for grapes.
- 1153 BRANAS, J. Les hybrides producteurs directs et le temps présent. Prog. Agr. et Vitic. 115: 366-368. May 25, 1941. 14 P94  
Grape rootstocks.
- 1154 BRANAS, J. Porte-greffes et vins doux naturels. Prog. Agr. et Vitic. 115: 45-47. Jan. 19, 1941. 14 P94
- 1155 BRANAS, J. Sélection des greffons. Prog. Agr. et Vitic. 114: 157-160. Sept. 22, 1940. 14 P94  
Rootstocks for grapes.
- 1156 BRANAS, J. Sur le 216-3 Castel. Prog. Agr. et Vitic. 114: 359. Dec. 1, 1940. 14 P94  
Rootstock for grapes.
- 1157 BRANAS, J. Taille, fumure et porte-greffes. Prog. Agr. et Vitic. 114: 377-380. Dec. 9, 1940. 14 P94  
Grape culture.
- 1158 BRANAS, J. La taille: la charge. Prog. Agr. et Vitic. 114: 293-296. Nov. 10, 1940. 14 P94  
Pruning of grapes.
- 1159 BRANAS, J. Le vignoble alsacien et la guerre. Prog. Agr. et Vitic. 66: 151-152. May 6/13, 1945. 14 P94
- 1160 BRET, J. Plantation. Prog. Agr. et Vitic. 62: 161-163. May 6/13, 1945. 14 P94  
Recommendations for grape planting.
- 1161 CASA PACHECO, MARQUES DE. Híbridos productores directos. Cult. Mod. 28(1): 5. Jan. 1945. 15 C89  
Grape hybrids.
- 1162 CONNORS, C. H. Question of currants and gooseberries. Home Gard. 6(4): 39-40. Oct. 1945. 80 H756
- 1163 COULONDRE, E., and GALIBERT, A. Étude sur les tout derniers semis d'Albert Seibel. Prog. Agr. et Vitic. 115: 115-117. Feb. 16, 1941. 14 P94  
Short descriptions of grape hybrids.
- 1164 EMON, J. Observations sur les porte-greffes. Prog. Agr. et Vitic. 116: 301-303. Dec. 21/28, 1941. 14 P94  
Grape rootstocks.
- 1165 F. Pruning soft fruits [berries]; a picture guide. Pop. Gard. 47: 267. Oct. 20, 1945. 80 G1622
- 1166 F., A. G. Bush fruits may now be planted. Pop. Gard. 47: 282. Nov. 3, 1945. 80 G1622

- 1167 GALET, P. Origine des riparia x rupestris. Prog. Agr. et Vitic. 62: 73-76. Mar. 4/11, 1945. 14 P94  
Grape hybrids.
- 1168 HOCHBERG, N. The rootstock problem of vines. (In Hebrew.) Hassadeh 25: 420-423. July 1945. 26 H27
- 1169 KIME, W. R. Experiences in growing black raspberries. Iowa State Hort. Soc. Trans. (1944) 79: 71-74. 81 I09
- 1170 LABAT, C. Pratique des plantations de vigne. Casablanca. Chambre d'Agr. B. 16(175): 5-7. Sept./Oct. 1945. 24 C26
- 1171 LARGILLIER-SEIBEL, H. J. Les hybrides producteurs directs. La guerre et le blocus. Prog. Agr. et Vitic. 114: 385-389. Dec. 8, 1940. 14 P94  
Grape hybrids.
- 1172 MARIN, L. Cultivo de la fresa. Campo de Méx. 1(3): 10, 12. Oct. 16, 1945. 8 C155
- 1173 MAS SOLANES, R. DE. Hay que incrementar el cultivo de fresas y fresones. Cult. Mod. 28(1): 10-11. Jan. 1945. 15 C89
- 1174 MESTRE, A. Plantación de cepas americanas. Cult. Mod. 28(1): 5-6. Jan. 1945. 15 C89
- 1175 MIR, R. M. Uvas de mesa; la Sultanina. Cult. Mod. 28(1): 3-4. Jan. 1945. 15 C89
- 1176 OLDHAM, C. H. Strawberries. - Gt. Brit. Min. Agr. Agriculture 52: 327-331. Oct. 1945. 10 G79J
- 1177 PODA del vinedo. Chacra 15(179): 46-47. Sept. 1945. 9 C34
- 1178 RIVES, L. Observations sur les hybrides producteurs directs en 1940. Prog. Agr. et Vitic. 115: 31-33. Jan. 12, 1941. 14 P94  
Grape hybrids.
- 1179 WATT, J. H. Cepe gooseberry [Physalis peruviana] culture. New Zeal. J. Agr. 71: 131-133. Aug. 15, 1945. 23 N48J
- 1180 WILLIAMS, J. L. Vineyard establishment under Australian conditions. So. Austral. Dept. Agr. J. 49(1): 17-24. (Cont.) Aug. 1945. 23 So84
- 1181 ZHITNEVA, P. I. Itogi sortoizuchenifa chernoi smorodiny [Results of a study of black currant varieties]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok., No. 1, p. 49-51. 1945. 20 M857

Nuts

- 1182 LEHR, E. D. Money grew on [pecan] trees. Farm and Ranch 64(7): 20. July 1945. 6 T31
- 1183 SOURSAC, L. La culture du châtaignier dans les Pyr.-Orient. Prog. Agr. et Vitic. 115: 190-193. Mar. 16, 1941. 14 P94  
Grown for the wood as well as for nuts.

Ornamental Plants

- 1184 ARNOLD, R. E. Cypripedium philippinense. Orchid Rev. 53: 128-129. Sept. 1945. 80 Or15
- 1185 AVERY, G. S., JR., and PURDY, M. H. Knee gardens. Plants & Gard. 1: 182-183. Autumn 1945. 450 P694
- 1186 BARTON, L. V. Problems in seed germination. Plants & Gard. 1: 174-181. Autumn 1945. 450 P694
- 1187 BAZÁN, L. Flores para primavera y verano. Chacra 15(179): 50-51. Sept. 1945. 9 C34
- 1188 BERRY, G. H. Gentians. Five in a pan. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 61-62. Mar. 1944. 84 AL6
- 1189 BERRY, G. H. Gentians go north. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 116, 119. June 1944. 84 AL6
- 1190 BERRY, G. H. The mystery deepens. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 140, 143-151, 153. Sept. 1944. 84 AL6  
Experiments with Gentiana acaulis.



- 1191 BERRY, G. H. *Primula* with six petals. *Alpine Gard. Soc. Gt. Brit. Q. B. 12*: 113. June 1944. 84 AL6
- 1192 BIEHL, F. C. *Iris* at Ingersoll, Ont. *Amer. Iris Soc. B. 98*, p. 53-55. Aug. 1945. 81 Am39
- 1193 BLAIR, W. D. A neglected element of design. *Amer. Rock Gard. Soc. B. 3*: 78. Sept./Oct. 1945. 81 Am342
- 1194 BLYTH, C. J. Culture of Russell lupins. *Austral. Gard. Lover 21(6)*: 19. Sept. 1, 1945. 80 G1615
- 1195 BOEGLIN, L. The rose in Minnesota. *Amer. Rose Ann. 1945*: 25-29. 81 Am31A
- 1196 BOERNER, E. S. Fall planting of roses. *Gard. Gossip 20(11)*: 15. Nov. 1945. 80 G1625
- 1197 BOERNER, E. S. The Grey Pearl. *Amer. Rose Ann. 1945*: 111-112. 81 Am31A
- 1198 BRASIER, I. Come into my moss garden. *Recreation 39*: 404, 438. Nov. 1945. 280.68 P69  
Includes lichens.
- 1199 BROWN, J. R. An interesting *Kleinia* (K. tomentosa, Cass's variety). *Cactus and Succulent J. 17*: 135-136. Oct. 1945. 451 C11
- 1200 BROWN, J. R. A Madagascar stapeliad (*Stapelianthus decaryi*). *Cactus and Succulent J. 17*: 123-124. Sept. 1945. 451 C11
- 1201 BROWN, P. D. The how of landscape planting and design. III. Form. *Northwest Gard. 13(8)*: 8-10. Oct. 1945. 80 N813
- 1202 BRUGGEMANN, L. G. Around the year with greenhouse 'mums. *East. States Chrysanthemum Soc. B. 1(3)*: 7-12. Third quart. 1945. 96.519 Ea7
- 1203 BUCK, G. J. The Chinese rose as a parent of better varieties. *Amer. Rose Ann. 1945*: 85-89. 81 Am31A  
Hybrids of *Rosa chinensis* for hardiness.
- 1204 BUXTON, B. R. Begonias in New England. *Begonian 12*: 187. Oct. 1945. 96.511 B39
- 1205 CADNEY, R. G. A self-made alpine garden. *Alpine Gard. Soc. Gt. Brit. Q. B. 12*: 114-116. June 1944. 84 AL6
- 1206 CANTWELL, MRS. H. M. World War II's first memorial rose garden [Jacob L. Loose Memorial Park, Kansas City, Mo., Municipal Rose Garden]. *Amer. Rose Ann. 1945*: 16. 81 Am31A
- 1207 CAPWELL, W. 14,000 plants beautify grounds at sewage works-incinerator. *Sewage Works Engin. 16*: 562-563. Nov. 1945. 449.8 M92
- 1208 CAVE, N. L. The *Iris* of Cedric Morris (hybridizer). *Amer. Iris Soc. B. 98*, p. 78-82. Aug. 1945. 81 Am39
- 1209 CHRISMON, MRS. J. R. Bulbs for spring beauty. *Back to Eden 12(4)*: 1-2. Nov. 1945. 80 B12
- 1210 CLARK, A. M. More small leaved begonias. *Begonian 12*: 188. Oct. 1945. 96.511 B39
- 1211 COOK, J. E. Orchids. *Hoosier Outdoors 25(10)*: 1, 4. Nov. 1945. 409.6 H76
- 1212 COOKE, R. B. Notes from a Northumberland garden. *Alpine Gard. Soc. Gt. Brit. Q. B. 12*: 130-139. Sept. 1944. 84 AL6
- 1213 COOMBS, S. V. These (succulent) plants like dry air. *Home Gard. 6(4)*: 69-74. Oct. 1945. 80 H756
- 1214 COOPER, E. *Bulbophyllum inflatum*. *Orchid Rev. 53*: 130-131. Sept. 1945. 80 Or15  
Other *Bulbophyllum* species briefly described.
- 1215 COPLEY, G. H. Bulbs for March selling from Dutch lights. *Smallholder 74(1857)*: 11. Oct. 19, 1945. 10 Sm1
- 1216 CORNELI, C. Belgium's new dahlias. *Seed World 58(9)*: 42. Nov. 2, 1945. 61.8 Se52
- 1217 CUMMING, A. Hybrid Korean chrysanthemums--their history. *Plants & Gard. 1*: 165-167. Autumn 1945. 450 P694
- 1218 CURRY, E. M. A clearer concept of type. *Gladiolus Mag. [New England Gladiolus Soc.] 9(3)*: 10. Oct. 1945. 96.43 N44
- 1219 CURTIS, R. W. Plants in the home landscape. *Cornell Plantations 1*: 51-56. Summer 1945. 409.6 C812
- 1220 CYPRIPEDIUM rosslyn. (*C. godefroyae* var. *leucocentrum* X *C. rolfei*). *Orchid Rev. 53*: 126-127. Sept. 1945. 80 Or15
- 1221 DALE, MRS. W. J. The useful aster *Frikarti*. *Horticulture 23*: 493. Nov. 1, 1945. 80 H787
- 1222 DALEY, A. J. The problem plant. *Austral. Orchid Rev. 9*: 51. Dec. 1944. 80 Au73  
Problems in the culture of orchid varieties.
- 1223 DE PETRIS, V. R. *Chrysanthemum arcticum* hybrids. *Plants & Gard. 1*: 168-170. Autumn 1945. 450 P694
- 1224 DE PETRIS, V. R. Development of new chrysanthemums increases interest, sales. *Chrysanthemum Soc. Amer. B. 13(3)*: 11-15, processed. Third quart. 1945. 81 C46B
- 1225 DIXON, T. E. Roses in Nevada. *Amer. Rose Ann. 1945*: 30-31. 81 Am31A
- 1226 DOLMAN, J., JR. Notes on two gardens [at Woodbury, N. J., and Staten Island, N. Y.]. *Amer. Iris Soc. B. 98*, p. 48-53. Aug. 1945. 81 Am39
- 1227 DONEY, C. F. Shrubs for autumn color. *Plants & Gard. 1*: 138-139. Autumn 1945. 450 P694
- 1228 DOUGLAS, G. *Iris* visits, 1945. *Amer. Iris Soc. B. 98*, p. 15-23. Aug. 1945. 81 Am39
- 1229 DOWNER, H. E. Growing hardy chrysanthemums. *Plants & Gard. 1*: 161-162. Autumn 1945. 450 P694
- 1230 DOWNER, H. E. Plant for permanence--northern bayberry [*Myrica pennsylvanica*]. *Flower Grower 32*: 539. Nov. 1945. 80 M72
- 1231 DOWNER, H. E. Single peonies. *Home Gard. 6(4)*: 7-10. Oct. 1945. 80 H756
- 1232 DUGAND, A. *Cartilla forestal*. *Vida Rural 6(64)*: 14-20, 25-37. Nov. 1944. 9.4 V66
- 1233 DUGGAN, F. *Gardenia* culture. *Ohio Florists' Assoc. Monthly B. 192*, 7 p., processed. Sept. 1945. 81 Oh36
- 1234 E., L. B. Replant the hardy flower border. *Pop. Gard. 47*: 262. Oct. 13, 1945. 80 G1622
- 1235 E., L. E. Plant the new day lilies. *Pop. Gard. 47*: 269. Oct. 20, 1945. 80 G1622
- 1236 EASLEE, W. Roses in wartime England. *Amer. Rose Ann. 1945*: 46-47. 81 Am31A
- 1237 ELLIOTT, N. R. Plants neglected in landscape use. *Amer. Nurseryman 82(9)*: 5-6. Nov. 1, 1945. 80 Am371  
Includes list of 29 plants.
- 1238 EVERETT, T. H. Plant portraits (*Viburnum tinus*; *Primula obconica*; *Rondeletia odorata*). *Gard. Chron. Amer. 49*: 292-293. Nov. 1945. 80 G1632
- 1239 FAHEY, W. *Cypripediums*. *Austral. Orchid Rev. 10*: 50. Sept. 1945. 80 Au73
- 1240 FISHBURN, J. P. Peregrinations of a fancier. *Amer. Iris Soc. B. 98*, p. 37-47. Aug. 1945. 81 Am39  
Visits to iris gardens.
- 1241 FISHER, G. M. Greenhouse forcing of hardy shrubs. *Amer. Nurseryman 82(9)*: 7-8. Nov. 1, 1945. 80 Am371
- 1242 FLAHERTY, MRS. R. *Baptisia*, the beautiful. *Back to Eden 12(4)*: 5. Nov. 1945. 80 B12
- 1243 FORREST, G. W. Foreword to fragrance. *Amer. Rose Ann. 1945*: 66-70. 81 Am31A
- 1244 FORREST, G. W. What's in a name? *Ann. Rose Ann. 1945*: 9-15. 81 Am31A  
Fourteen varietal names and the history of their naming.
- 1245 LA FOUGERE frisée [*Nephrolepis exaltata magnifica*]. *By Ombre. Rev. d'Oka 19*: 157-162. Sept./Oct. 1945. 7 Ok1



- 1246 FOX, J. W. History and development of the peony. N. and S. Dak. Hort. 18: 158. Oct. 1945. 81 N817
- 1247 FREE, M. Chrysanthemums are plastic. Plants & Gard. 1: 145-151. Autumn 1945. 450 P694
- 1248 FREE, M. How to divide a peony. Home Gard. 6(4): 14-16. Oct. 1945. 80 H756
- 1249 FREE, M. New answers to old questions about fall planting [of ornamentals]. Home Gard. 6(4): 17-21. Oct. 1945. 80 H756
- 1250 FULTON, M. M. American holly. Forest Leaves 35(4/5): 3. 16. July/Oct. 1945. 99.8 F763
- 1251 GALE, E. Autumn-fruiting plants--small trees and shrubs which help in making October gay. Horticulture 23: 459. Oct. 15, 1945. 80 H787
- 1252 GARNETT, C. S. Two sub-alpine orchids *Ophrys apifera* and *Platanthera chlorantha*. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 18-21, 23. Mar. 1944. 84 AL6
- 1253 GARSON, G. My favorite flower - the rose. Amer. Rose Ann. 1945: 2. 81 Am31A
- 1254 GILLIES, G. H. Greenhouse culture of large-flowered chrysanthemums. Plants & Gard. 1: 155-159. Autumn 1945. 450 P694
- 1255 GILLIES, G. H. 'Mums of unusual form. Gard. Chron. Amer. 49: 299. Nov. 1945. 80 G1632
- 1256 GIUSEPPI, P. L. A few rare alpine. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 128-129. Sept. 1944. 84 AL6
- 1257 GRAY, D. An *Armeria* from Portugal. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 90. June 1944. 94 AL6
- 1258 GREER, T. R. Winter frames for oriental poppies. Flower Grower 32: 548-549. Nov. 1945. 80 M72
- 1259 GRIFFING, MRS. E. S. Experiments in winter protection. Amer. Rose Ann. 1945: 165-166. 81 Am31A
- 1260 GRIFFITH, A. N. A new late-flowering plant [*Chrysanthemum erubescens* forma] for the rock garden. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 53. Mar. 1944. 84 AL6
- 1261 GRIMBLEY, M. Keep them blooming. Canad. Hort. & Home Mag. Floral Ed. 68: 204. Nov./Dec. 1945. 80 C16F
- Cultivation methods to increase flower blooming.
- 1262 GROVE, L. C. Success with your house plants. Better Homes & Gard. 24(3): 24-25, 112-115. Nov. 1945. 80 F9424
- 1263 GUEST, G. R. Success with pot plants. Back to Eden 12(4): 3. Nov. 1945. 80 B12
- 1264 HADDRELL, B. Epiphyllums for the sunroom. Cactus and Succulent J. 17: 138. Oct. 1945. 451 C11
- 1265 HADDRELL, B. Some satisfactory petunias. Horticulture 23: 469. Oct. 15, 1945. 80 H787
- 1266 HANDLEY, C. O. Japanese honeysuckle [*Lonicera japonica*, as emergency food] in wildlife management. J. Wildlife Managt. 9: 261-264. Oct. 1945. 410 J827
- 1267 HAWLEY, L. F. Cattleyas. Austral. Orchid Rev. 10: 55-57. Sept. 1945. 80 Au73
- 1268 HENDERSON, E. S. Consider the yew when planting. Gard. Chron. Amer. 49: 287-288. Nov. 1945. 80 G1632
- 1269 HERBERT, D. A. Limiting factors of orchid culture. Austral. Orchid Rev. 9: 36. Sept. 1944. 80 Au73
- 1270 HILL, H. *Trichocereus pachanoi* Br. & R. Desert Plant Life 17: 120-121. Oct. 1945. 450 D45
- 1271 HOCHBAUM, H. W. Make America more beautiful. Amer. Rose Ann. 1945: 3-4. 81 Am31A
- 1272 HOGG, R. B. The natural climate of the modern hybrid. Austral. Orchid Rev. 9: 61. Dec. 1944. 80 Au73
- 1273 HOGG, R. B. Orchids--the war and the future. Austral. Orchid Rev. 9: 56, 60. Dec. 1944. 80 Au73
- 1274 HOGG, R. B. When should orchids be severed? Austral. Orchid Rev. 10: 51. Sept. 1945. 80 Au73
- 1275 HOLLEY, W. D. Winter hardiness in chrysanthemums. Plants & Gard. 1: 163-164. Autumn 1945. 450 P694
- 1276 HOWLAND, J. E. A study of the keeping quality of cut roses. Amer. Rose Ann. 1945: 51-56. 81 Am31A
- 1277 HUTTON, S. B. Autumn in your rose garden. Success with Roses 18(2): 4. Oct. 1945. 80 R723
- 1278 JOHNSON, H. I. Northern California season. Amer. Iris Soc. B. 98, p. 72-74. Aug. 1945. 81 Am39
- 1279 JONES, R. W. Medellin - modern garden of Eden. Amer. Orchid Soc. B. 14: 167-181. Oct. 15, 1945. 80 Am329
- Various orchid gardens described.
- 1280 JORDAN, F. W. Own-root plants by the cold pit method. Amer. Rose Ann. 1945: 133-138. 81 Am31A
- 1281 KAISER, J. How do you plant your roses? Amer. Rose Ann. 1945: 115-118. 81 Am31A
- 1282 KEAYS, E. E. The real fruits of a rose. Home Gard. 6(4): 11-13. Oct. 1945. 80 H756
- 1283 KEENEY, E. S. Chrysanthemums in the Northwest. Horticulture 23: 460. Oct. 15, 1945. 80 H787
- 1284 KINISH, D. R. Notes on Kansas and Missouri gardens. Amer. Iris Soc. B. 98, p. 68-71. Aug. 1945. 81 Am39
- 1285 LAINE, J. Something new in artichokes. Furrow, Salt L. - D [Ed.] 50: 5. July/Aug. 1945. 6 F98Sa
- Artichoke blossoms as cut flowers.
- 1286 LAMMERTS, W. E. The scientific basis of rose breeding. Amer. Rose Ann. 1945: 71-79. 81 Am31A
- 1287 LAMSON, M. D. Gardens against the house; here is the answer to many "foundation planting" problems on small lots. Home Gard. 6(4): 64-68. Oct. 1945. 80 H756
- 1288 LANTZ, H. L. Turf garden report for 1944. Iowa State Hort. Soc. Trans. (1944) 79: 213-218. 81 Io9
- 1289 LASTRA Y VILLAR, A. The cultivation of the rose in Mexico. Amer. Rose Ann. 1945: 37-39. 81 Am31A
- 1290 LAURIE, A. Latest research on roses; a composite report of work done at various experiment stations. Florists Exch. 105(19): 18. Nov. 10, 1945. 80 F666
- Also in South. Florist and Nurseryman 58(33): 6-7. Nov. 9, 1945. 80 S086
- 1291 LAWRENCE, E. In quest of autumn-blooming bulbs. Amer. Rock Gard. Soc. B. 3: 74-75. Sept./Oct. 1945. 81 Am324
- 1292 LEMMON, R. S. You can please the birds with food plants, but can you please yourself? Home Gard. 6(4): 41-44. Oct. 1945. 80 H756
- Ornamental plants attractive to birds.
- 1293 LINDLEY, H. E. Growing roses in Florida. Amer. Rose Ann. 1945: 21-24. 81 Am31A
- 1294 LYTTTEL, E. S. The ash scree. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 75-78. June 1944. 84 AL6
- 1295 LYTTTEL, E. S. *Daphne*. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 5-9. Mar. 1944. 84 AL6
- 1296 M., E. Take hard-wood [shrub] cuttings; easy way of propagation. Pop. Gard. 47: 261. Oct. 13, 1945. 80 G1622
- 1297 M., M. Edgings for the garden paths; suitable kinds [of flowers] to plant in early autumn. Pop. Gard. 47: 269. Oct. 20, 1945. 80 G1622
- 1298 MCAFEE, H. M. Violets are blue. Canad. Hort. & Home Mag. Floral Ed. 68: 208. Nov./Dec. 1945. 80 C16F
- Saintpaulia.



- 1299 MCCLELLAND, MRS. P. H. Primroses for your garden in the Pacific Northwest. Horticulture 23: 483. Nov. 1, 1945. 80 H787
- 1300 MCFARLAND, J. H. "Down under." Amer. Rose Ann. 1945: 40-42. 81 Am31A  
Includes S. R. Bird, Notes from Auckland, New Zeal.
- 1301 MCFARLAND, J. H. M. H. Horvath's place in rose history. Amer. Rose Ann. 1945: 168-170. 81 Am31A
- 1302 MCFARLAND, J. H. The more uncommon lilacs. Horticulture 23: 471. Oct. 15, 1945. 80 H787
- 1303 MCFARLAND, J. H. Roses in war-torn Europe. Flower Grower 32: 527, 552-553. Nov. 1945. 80 M72
- 1304 MCFARLAND, J. H. Tribute to an enduring lily [Formosa lily]. Horticulture 23: 467. Oct. 15, 1945. 80 H787
- 1305 MCKEE, W. J. New England gardens. Amer. Iris Soc. B. 98, p. 59-67. Aug. 1945. 81 Am39
- 1306 MCKENNA, P. J. Don't overlook the "die-back shrubs." Home Gard. 6(4): 99-103. Oct. 1945. 80 H756
- 1307 MACLEAN, A., and LOTHROP, L. Reports on southern California. Amer. Iris Soc. B. 98, p. 25-33. Aug. 1945. 81 Am39
- 1308 MACLEAN, S. Why not try Clarkia? Canad. Hort. & Home Mag. Floral Ed. 68: 204. Nov./Dec. 1945. 80 C16F
- 1309 MATTHEWS, L. From pollen to bulbs in one season. Iowa State Hort. Soc. Trans. (1944) 79: 203-204. 81 Io9  
Gladiolus culture.
- 1310 MATTHEWS, Q. L. The Moguls and the rose. Amer. Rose Ann. 1945: 82-84. 81 Am31A
- 1311 MATTOON, E. G. Let's be different in choice of shade trees. Forest Leaves 35(4/5): 7. July/Oct. 1945. 99.8 F763
- 1312 MILLER, P. W. Growing roses for exhibition. Amer. Rose Ann. 1945: 139-143. 81 Am31A
- 1313 MOONEY, G. K. A few useful conifers for colour effect. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 24-26. Mar. 1944. 84 AL6
- 1314 MOSNAT, H. R. Producing new chrysanthemum varieties. Plants & Gard. 1: 171-173. Autumn 1945. 450 P694
- 1315 MUHLSTEIN, T. Bearded iris--the parade to progress. Utah Farmer 65(7): 10. (To be cont.) Nov. 10, 1945. 6 D45
- 1316 N., F. R. Tulips are "off the ration"; grow a few in bowls of fibre. Pop. Gard. 47: 261. Oct. 13, 1945. 80 G1622
- 1317 NANCE, I. Fuchsias, their care through the year. Begonian 12: 184. Oct. 1945. 96.511 B39
- 1318 NEARING, G. G. How to grow good rhododendrons. Home Gard. 6(4): 26-29. Oct. 1945. 80 H756
- 1319 NELSON, E. Breeding for spacing and substance. Amer. Iris Soc. B. 98, p. 23-25. Aug. 1945. 81 Am39
- 1320 NIES, E. E. Growing spurias. Amer. Iris Soc. B. 98, p. 33-34. Aug. 1945. 81 Am39
- 1321 O'CONNELL, D. W. Hybridizing for double primroses. Amer. Primrose Soc. Q. 3: 26-29. Oct. 1945. 96.575 Am3
- 1322 ODELL, J. H. Post war planning [for gladiolus development]. Iowa State Hort. Soc. Trans. (1944) 79: 200-202. 81 Io9
- 1323 OLIVER, R. W. Rose growing in Canada. Amer. Rose Ann. 1945: 32-36. 81 Am31A
- 1324 ORTLOFF, H. S. Layout of the small place; a simple suburban garden. Plants & Gard. 1: 133-134. Autumn 1945. 450 P694
- 1325 PEACOCK, F. M. Some desirable plants. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 168-170, 173-174. Sept. 1944. 84 AL6
- 1326 PFEIFFER, E. E. Tulip bulbs and how to grow them. Organic Gard. 7(6): 17-23. Nov. 1945. 56.8 Or3
- 1327 PFISTER, C. E. Roses, fall planting of. Home Gard. 6(4): 75-76. Oct. 1945. 80 H756
- 1328 PINNEY, J. J. Beginning in the nursery business. III. Landscape nurseries. Amer. Nurseryman 82(10): 7-8; (11): 11-12, 37. Nov. 15, Dec. 1, 1945. 80 Am371
- 1329 PLATT, D. Are you guilty of gardening's unforgivable sins? House Beautiful 87(11): 122-123, 214-216. Nov. 1945. 296.8 H81
- 1330 POST, K. Continued rose research at Cornell. Amer. Rose Ann. 1945: 60-62. 81 Am31A
- 1331 PRESTON, I. Honeysuckle "flame" [Lonicera brownii]. Canad. Hort. & Home Mag. Floral Ed. 68: 210. Nov./Dec. 1945. 80 C16F
- 1332 PUTZ, A. Fall sowing [of annuals] for early spring flowers. Home Gard. 6(4): 22-25. Oct. 1945. 80 H756
- 1333 REINSMITH, W. H. King of turfs for the South; the possibilities of Manila grass [Zoysia matrella] in the landscape. Landscape Architecture 35: 123-126. July 1945. 80 L23
- 1334 RICHARDS, F. M. It's easy to grow roses. Green Thumb 2(6): 12-15. Nov./Dec. 1945. 80 G82
- 1335 RICHARDSON, D. Some easily grown gentians. Amer. Rock Gard. Soc. B. 3: 69-70. Sept./Oct. 1945. 81 Am342
- 1336 RIPLEY, D. More western Americans. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 65-69, 71-74. June 1944. 84 AL6
- 1337 ROBER, E. E. A flower of old (the Abutilon). Gard. Chron. Amer. 49: 296-297. Nov. 1945. 80 G1632
- 1338 ROBERSON, F. K. If winter comes. Northwest Gard. 13(8): 2. Oct. 1945. 80 N813  
Saving flower seed.
- 1339 ROBERTS, J. G. Colour in alpine plants. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 62-64. Mar. 1944. 84 AL6
- 1340 ROBINSON, G. S. How I grow my roses. Amer. Rose Ann. 1945: 127-131. 81 Am31A
- 1341 ROCHA AGUIRRE, L. E. Las orquideas colombianas. Agr. Trop. 1(8): 39-41. (Cont.) Sept. 1945. 26 Ag8
- 1342 ROCKWELL, F. F. Eleventh-hour thoughts on lawns. Home Gard. 6(4): 37-38. Oct. 1945. 80 H756
- 1343 ROGERS, A. E. T. A way to grow hybrid perpetuals. Amer. Rose Ann. 1945: 132. 81 Am31A
- 1344 ROGERS, G. Iris memoranda from Texas. Amer. Iris Soc. B. 98, p. 75-78. Aug. 1945. 81 Am39
- 1345 ROS SABATE, J. El imperio de la rosa. Cult. Mod. 28(1): 22-26. Jan. 1945. 15 C89
- 1346 RUNDLETT, E. A. Some interesting trees. Part II. Staten Isl. Inst. Arts and Sci. Mus. B. 28: 11-13. Nov. 1945. 500 St2M
- 1347 RUSH, H. G. Succulent chatter [on kalanchoes]. Cactus and Succulent J. 17: 131-132. Oct. 1945. 451 C11
- 1348 SCOTT, E. L. Growing large chrysanthemums outdoors. Plants & Gard. 1: 152-154. Autumn 1945. 450 P694
- 1349 SELIGMAN, R. Linaria tristis. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 164. Sept. 1944. 84 AL6
- 1350 SENIOR, R. M. Low growing campanulas of North America. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 53-56. Mar. 1944. 84 AL6
- 1351 SEXTON, C. E. Rhododendron flavidum. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 154. Sept. 1944. 84 AL6
- 1352 SHEPHERD, R. E. Germinating rose seeds. Amer. Rose Ann. 1945: 121-122. 81 Am31A
- 1353 SHULL, J. M. A visit to Three Oaks [Spartanburg, S. C.]. Amer. Iris Soc. B. 98, p. 56-58. Aug. 1945. 81 Am39



- 1354 SIMPSON, M. E. *Tibouchina semidecandra*, in the South. *Horticulture* 23: 474. Oct. 15, 1945. 80 H787
- 1355 SIMMONS, C. Inland bulbs [grown successfully]. *Pacific Rural Press*, South. Ed. 150: 291. Nov. 10, 1945. 6 F112A
- 1356 SINNOCK, E. P. The question is patent. *Amer. Rose Ann.* 1945: 95-98. 81 Am31A
- 1357 SMITH, J. G. Orchid culture. *Austral. Orchid Rev.* 9: 37. Sept. 1944. 80 Au73
- 1358 SMITH, L. W. Washington's Demonstration Rose Garden. *Amer. Rose Ann.* 1945: 113-114. 81 Am31A  
Washington, D.C.
- 1359 SPRY, C. Flowers in decoration. *Elect.* Age 4: 390-393, 403. Oct. 1945. 335.8 EL223
- 1360 STANFORD, K. C. The hybridisation of our wild flowers. *Farmer's Weekly [Bloemfontein]* 69: 1258-1259. Aug. 29, 1945. 24 F225
- 1361 STEFFEK, E. F. Rue anemone [*Anemonella thalictroides*]. *Nature Mag.* 38: 490. Nov. 1945. 409.6 N214
- 1362 STEVENS, H. N. Rating the hybrid tea Pudding roses. *Amer. Rose Ann.* 1945: 171-177. 81 Am31A
- 1363 STEWART, T. A. The status of rose growing in Victoria, Australia. *Amer. Rose Ann.* 1945: 43-45. 81 Am31A
- 1364 STOUT, A. B. Fruits and seeds of the lily-of-the-valley. *N. Y. Bot. Gard. J.* 46: 205-214. Sept. 1945. 451 N48J
- 1365 SVENSON, E. K. Classification of chrysanthemums. *Plants & Gard.* 1: 160. Autumn 1945. 450 P694
- 1366 SWEETSER, G. A. The rose in poetry. *Amer. Rose Ann.* 1945: 17-20. 81 Am31A
- 1367 T., O. R. Hardy penstemons. *Wallaces' Farmer and Iowa Homestead* 70: 814. Nov. 3, 1945. 6 W15
- 1368 TOMALIN, T. E. My choice of fruiting shrubs for the autumn garden. *Pop. Gard.* 47: 285. Nov. 3, 1945. 80 G1622
- 1369 TOMALIN, T. E. Waiting for the big blooms [of chrysanthemum]. *Pop. Gard.* 47: 270. Oct. 20, 1945. 80 G1622
- 1370 U. S. PATENT OFFICE. Plant patent No. 660. Prushek, E. Chrysanthemum plant. 2 p., 1 col. pl. Patented Oct. 9, 1945. 156.65 P69
- 1371 VAN OVERBECK, J. Enjoy underwater gardens at home. *Better Homes & Gard.* 24(3): 55-56. Nov. 1945. 80 F9424
- 1372 VICK, R. Some *Cypripedium* hybrids. *Austral. Orchid Rev.* 9: 46. Sept. 1944. 80 Au73
- 1373 VOLZ, E. C. Report on new rose varieties at Iowa State College. *Iowa State Hort. Soc. Trans.* (1944) 79: 228-229. 81 I09
- 1374 W., S. Lift the flower roots and store safe from frost. *Pop. Gard.* 47: 262. Oct. 13, 1945. 80 G1622
- 1375 W., T. A. What's new? *Armeria [maritima]*. *Glory of Holland.* *Home Gard.* 6(4): 90. Oct. 1945. 80 H756
- 1376 WALKDEN, A. *Eria confusa*. *Orchid Rev.* 53: 125-126. Sept. 1945. 80 Or15
- 1377 WALKDEN, A. *Eria hyacinthoides*. *Orchid Rev.* 53: 132. Oct. 1945. 80 Or15
- 1378 WALKER, A. H. The perennial border. *Macdonald Col. J.* 6(1): 7. Sept. 1945. 101 M144
- 1379 WALKER, V. N. *Veronica aleppica*. *Amer. Rock Gard. Soc. B.* 3: 77. Sept./Oct. 1945. 81 Am342
- 1380 WATSON, D. B. Types of roses suitable for cutting. *Amer. Rose Ann.* 1945: 123-126. 81 Am31A
- 1381 WEICK, L. San Quentin's garden beautiful. *Amer. Rose Ann.* 1945: 90-93. 81 Am31A
- 1382 WELLINGS, E. H. A London rock garden. *Alpine Gard. Soc. Gt. Brit. Q. B.* 12: 10-17. Mar. 1944. 84 AL6
- 1383 WELLS, A. Q. *Philesia buxifolia*. *Alpine Gard. Soc. Gt. Brit. Q. B.* 12: 56-57, 59. Mar. 1944. 84 AL6
- 1384 WESTON, T. A. Tulips--deep or shallow? *Home Gard.* 6(4): 57-59. Oct. 1945. 80 H756
- 1385 WHERRY, E. T. Keep out: *Convolvulus jaronicus*. *Amer. Rock Gard. Soc. B.* 3: 76. Sept./Oct. 1945. 81 Am342  
Undesirable species for rock gardens.
- 1386 WHITEHEAD, S. B. The September-sown lawn. *Field* 186: 246. Sept. 8, 1945. 10 F45
- 1387 WILKES, M. Symphony garden. *Begonian* 12: 190-193. Oct. 1945. 96.511 B39
- 1388 WILLS, A. Merry holly berries. *Canad. Hort. & Home Mag. Floral Ed.* 68: 209-210. Nov./Dec. 1945. 80 G16F  
In C.I.L. Oval.
- 1389 WILLS, J. E. Iris recollections, 1945. *Amer. Iris Soc. B.* 98, p. 6-14. Aug. 1945. 81 Am39
- 1390 WILSON, H. VAN P. Garden plants you can move indoors. *Woman's Day* 8(12): 56-57. Sept. 1945. 321.8 W842
- 1391 WINFREE, L. Single and Japanese peonies. *Gard. Gossip* 20(11): 11, 14. Nov. 1945. 80 G1625
- 1392 WINTER protection - a symposium. *Amer. Rose Ann.* 1945: 157-164. 81 Am31A  
Contents: In Vermont, by P. P. Lawlor; Pennsylvania, by J. B. Carson; Care in the Chicago area, by C. E. Pfister; In an Iowa garden, by Mrs. F. M. Henry; Under Missouri conditions, by F. R. McMath; Important in Oklahoma, by C. T. Baker; In high Colorado, by W. B. Barthel; Notes from Wyoming, by W. W. Horsley; At the international test garden in Portland, Oregon, by F. Edmunds; In Washington State, by E. W. Benbow.
- 1393 WISEMAN, S. L. Rose breeding by the amateur. *Amer. Rose Ann.* 1945: 119-120. 81 Am31A
- 1394 WISTER, J. C. Notes on early flowering magnolias. *Gard. Club Amer. B.*, ser. 10, No. 2, p. 34-38. Sept. 1945. 90.32 G16
- 1395 WOLFF, W. H. An easy lily to grow [Formosa lily]. *Gard. Chron. Amer.* 49: 285. Nov. 1945. 80 G1632
- 1396 WOOD, A. H., JR. Bulbs off the beaten track. *Home Gard.* 6(4): 31-33. Oct. 1945. 80 H756
- 1397 WOOD, C. W. Blue flowers through the year. *Amer. Nurseryman* 82(8): 16, 18-20; (9): 20-23; (10): 9-10, 40. Oct. 15, Nov. 1, 15, 1945. 80 Am371
- 1398 WOOD, F. C. *Primula florindae*. *Alpine Gard. Soc. Gt. Brit. Q. B.* 12: 167-168. Sept. 1944. 84 AL6
- 1399 WOOD, F. C. Seeds should be sown thinly. *Alpine Gard. Soc. Gt. Brit. Q. B.* 12: 106-107. June 1944. 84 AL6
- 1400 WOODROFFE, F. B. Anemones to you? *Better Homes & Gard.* 24(3): 57. Nov. 1945. 80 F9424
- 1401 WYMAN, D. Report on the Arnold Arboretum hedge demonstration plot. *Arnoldia* 5: 49-56. Oct. 5, 1945. 451 Ar6Ba
- 1402 WYMAN, D. Trends in ornamental planting. *Green Thumb* 2(6): 1-3. Nov./Dec. 1945. 80 G82

#### Vegetable and Truck Crops (Including Potatoes)

- 1403 ARRONIZ, C. Notas hortícolas sobre el cultivo del espárrago. *Siembra* 1(1): 35-37. Jan. 1945. 15 S11
- 1404 BIFFEN, W. With fewer potato acres we cannot risk crop losses. *Smallholder* 74(1855): 16. Oct. 5, 1945. 10 Sml  
Harvesting and storage of potatoes.
- 1405 BORDAS, J. Condition de culture de la pomme de terre en 1941. *Frog. Agr. et Vitic.* 115: 51-54. Jan. 19, 1941. 14 P94



1406. BROWNE, F. S. Quality as well as yield in varieties of potatoes. *Canad. Hort. & Home Mag. Growers'* Ed. 68: 212. Nov./Dec. 1945. 80 C16
1407. BUSTARRET, J. Production de plants sains de pommes de terre dans les Pyrénées. *Féd. Pyrén. d'Econ. Montagn. Ann.* (1942/43) 10: 19-31. 1944. 280.9 F312
1408. C., V. Le rutabaga. *Prog. Agr. et Vitic.* 115: 283-284. Apr. 20, 1941. 14 P94
1409. CHALONER, E. J. My method with tomatoes; sturdy plants from shoots. *Smallholder* 74(1855): 9. Oct. 5, 1945. 10 Sml
1410. CHIZHOV, S. T. Urozhainost' gibridnykh teplichnykh ogurtsov [The yields of hybrid greenhouse cucumbers]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.*, No. 1, p. 42-43. 1945. 20 M857
- Breeding experiments.
1411. COPLEY, G. H. No ease-up in the food-growing effort; work must go on through winter. *Smallholder* 74(1855): 10-11. Oct. 5, 1945. 10 Sml
1412. CRÉPIN, C., BUSTARRET, J., and CHEVALIER, R. La montagne, milieu d'élection pour la production de plant sain de pomme de terre. *Acad. d'Agr. de France. Compt. Rend.* 27: 124-132. Jan. 22/29, 1941. 14 P215Bc
- Experiments in various mountain regions of France.
1413. CRÉPIN, C. Peut-on couper les gros tubercules? *Acad. d'Agr. de France. Compt. Rend.* 27: 123-124. Jan. 22/29, 1941. 14 P215Bc
- Directions for cutting and planting potatoes so that a portion of the tubercle may be used for food.
1414. CRÉPIN, C., and BUSTARRET, J. Production rationnelle du plant de pomme de terre de "premier jet." *Acad. d'Agr. de France. Compt. Rend.* 27: 115-122. Jan. 29, 1941. 14 P215Bc
1415. CUBAYNES, G. Cultures de légumes sans arrosage dans la zone viticole du Département de l'Hérault. *Prog. Agr. et Vitic.* 115: 119-124. Feb. 16, 1941. 14 P94
1416. CUBAYNES, G. Repousse des plants de pommes de terre. Récolte, utilisation, conservation. *Prog. Agr. et Vitic.* 116: 68-69. Aug. 10, 1941. 14 P94
1417. CULTIVO de espárragos. By Buchus. *Agrario* 9(364): 11. June 30, 1945. 9.3 Ag85
1418. CURRENCE, T. M., and VIRTA, A. A. Breeding an improved strain of Washington asparagus. *Market Growers J.* 74(10): 41, 46-47. Oct. 1945. 6 M34
1419. DAVIS, M. B. Plant breeding in relation to vegetable seed stock. *Canad. Hort. & Home Mag. Growers'* Ed. 68: 194-195. Sept./Oct. 1945. 80 C16
1420. DIEHL, R. Quelques conseils relatifs à la culture de la pomme de terre en 1941. *Prog. Agr. et Vitic.* 115: 151-154. Mar. 2, 1941. 14 P94
1421. EDEL'STEIN, V. I. Nekotorye zakononomernosti formirovaniia urozhaiia ovoshchnykh rastenii [Some factors affecting vegetable yields]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.*, No. 1, p. 38-40. 1945. 20 M857
1422. ETTINGER, J., SELLINGER, A., and KLINKOVITSKI. Instructions relating to the preparation of nurseries for summer vegetables. (In Hebrew.) *Hassadeh* 25: 400-401. July 1945. 26 H27
1423. EVANS, M. History of the onion. *Home Acres* 32(3): 14-15. Oct. 1945. 4 W84
1424. F. Make a success of mushrooms. *Pop. Gard.* 47: 260-261. Oct. 13, 1945. 80 G1622
1425. F., A. G. Get ready for winter; safeguard the vegetable crops. *Pop. Gard.* 47: 260. Oct. 13, 1945. 80 G1622
1426. FERNANDEZ AGUIRRE, E. El cultivo de la papa. V. Fomento [monthly], No. 21, p. 11-12. July 1945. 8 F734
1427. GILEADI, D. The home vegetable garden in the communal settlement. (In Hebrew.) *Hassadeh* 25: 401-403. July 1945. 26 H27
1428. GÓMEZ, J. M. Apuntes sobre el mejoramiento y selección de nuestra semilla de papa. *Rev. de Agr. [San José]* 17: 437-439. Sept. 1945. 8 Esl
1429. GRIFFITHS, A. E., and others. Lettuce variety tests; results of Arizona trials. *West. Grower and Shipper* 16(11): 16, 26. Oct. 1945. 280.38 W52
- R. C. Keswick, C. W. Van Horn, and A. H. Finch, joint authors.
1430. HARDY, J. Dual purpose corn. *Poultry Farmer [London]*, 113(2936): 6-7. Sept. 28, 1945. 47.8 F312
- Greenhouse culture of sweet corn in the fall as a vegetable and as poultry feed.
1431. HARTH TERRE, L. Estado actual de la campana de huertos para la victoria. *Inform. del SCIPA. Ser. para los Agr.*, No. 5, p. 13-15. Dec. 1944. 9.8 P435
- Peru.
1432. HEIM, R. La culture familiale des champignons alimentaires; ses possibilités actuelles. *Acad. d'Agr. de France. Compt. Rend.* 27: 82-89. Jan. 22/29, 1941. 14 P215Bc
1433. JEHLE, R. A., and STEVENSON, F. J. The Potomac potato. *Amer. Potato J.* 22: 261-266. Sept. 1945. 75.8 P842
1434. JORET, G., and MALTERRE, H. Peut-on sectionner les plants de pomme de terre? *Acad. d'Agr. de France. Compt. Rend.* 27: 180-182. Feb. 5/12, 1941. 14 P215Bc
1435. JOYCE, H. S. Big mushrooms. *Countryman* 32(1): 93-94. Autumn 1945. 281.28 C832
1436. LEZERSON, H. Autumn vegetable nurseries under furrow irrigation. (In Hebrew.) *Hassadeh* 25: 405-407. July 1945. 26 H27
1437. LIBBY, W. C. The search for new potato varieties. *Merrimack's Monthly Messenger* 7(10): 1-2. Oct. 1945. 6 M55
1438. LISOVA, A. V. Besklubnevaiia posadka kartofelia i prorezhivanie dlia poluchenia dopolnitel'nogo urozhaiia [Tuberless potato planting and thinning in order to get an additional harvest]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.*, No. 1, p. 24. 1945. 20 M857
1439. LITTAUER, F., and ZIMMERMAN, S. Growing potatoes for seeds. (In Hebrew.) *Hassadeh* 25: 404-405. July 1945. 26 H27
1440. MERRY, D. M. Early cropping of peas and potatoes; in Nelson. *New Zeal. J. Agr.* 71: 151, 153-154. Aug. 15, 1945. 23 N48J
1441. METZGER, C. H. New developments in potato growing in Colorado. *Iowa State Hort. Soc. Trans.* (1944) 79: 351-353. 81 Io9
1442. N. Note sur la culture du pois. *Prog. Agr. et Vitic.* 115: 60-61. Jan. 19, 1941. 14 P94
1443. N. La patate. *Prog. Agr. et Vitic.* 115: 262-263. Apr. 13, 1941. 14 P94
1444. PETERBURGSKY, D. A. Noted Soviet researcher [A. Lorkh] works for high stable potato yields. *Agr. Com. Amer.-Soviet Friendship. Release* 44, p. 1-2. Oct. 15, 1945. 20 Ag89
1445. PREBLE, G. A. Shallow potato planting. *Rural New-Yorker* 104: 542. Dec. 1, 1945. 6 R88
1446. RICHMOND, E. E. Las huertas caseras. *Agr. Costarricense* 3: 287-288. July 1945. 8 Ag895
1447. ROBINSON, R. A. First-class lettuce from frames and cloches. *Smallholder* 74(1856): 9. Oct. 12, 1945. 10 Sml
1448. ROBINSON, R. A. Planned planting for spring greens for market. *Smallholder* 74(1855): 10-11. Oct. 5, 1945. 10 Sml
1449. ROCKWELL, F. F. 4 perennial vegetables for victory gardens that are here to stay. *Home Gard.* 6(4): 85-86. Oct. 1945. 80 H756



- 1450 RODNIKOV, N. I. Skorospelost' i urozhaĭnost' ogurtsov v teplichnoi kul'ture v zavisimosti ot uslovii mineral'nogo pitaniia [Early ripening and yields of greenhouse cucumbers in relation to conditions of mineral nutrition]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok., No. 1, p. 45-46. 1945. 20 M857
- 1451 ROSELLA, A. Une culture intéressante: celle de la lentille. Prog. Agr. et Vitic. 114: 317. 322. Nov. 17, 1940. 14 P94
- 1452 ROSELLA, E. Pour augmenter les rendements en pommes de terre conservez en clayettes les tubercules et plantez des semences germées. Prog. Agr. et Vitic. 114: 58-61. Aug. 4, 1940. 14 P94
- 1453 SERBEN, E. El champiñon de Paris. Cult. Mod. 28(1): 7-8. Jan. 1945. 15 C89
- 1454 SHEWELL-COOPER, W. E. Why not watercress as a crop? Field 186: 272. Sept. 15, 1945. 10 F45
- 1455 SMITH, E. G. L. Continuous returns from vegetables; how to solve production problems in arid areas. Farmer's Weekly [Bloemfontein] 70: 97. Sept. 26, 1945. 24 F225
- 1456 SMITH, M. R. Hybrid tomato and cucumber. Horticulture 23: 494. Nov. 1, 1945. 20 H787
- 1457 SMITH, R. W. Hints for the victory gardener. 36. Orch. Organic Gard. 7(6): 35-37. Nov. 1945. 56.8 Or3
- 1458 STEARNS, C. M. Future Farmer grows vegetables. Market Growers J. 74(11): 8. Nov. 1945. 6 M34
- 1459 SWEENEY, MRS. E. C. Voyages of the potato. Gard. Club Amer. B., ser. 10, No. 2, p. 15-17. Sept. 1945. 90.32 G16
- 1460 T., Y. Easy-to-grow food crops for the winter greenhouse. Pop. Gard. 47: 283. Nov. 3, 1945. 80 G1622
- 1461 YONA. Carrot-growing and its problems. (In Hebrew.) Hassadeh 25: 408-409. July 1945. 26 H27
- 1462 ZYKOVA, E. A. Vnedrenie besklubnoy posadki kartofeli v proizvodstvo i priemy polucheniia vysokikh urozhaev kartofeli na individual'nykh ogorodakh [Introduction of system of tuberless potato planting and methods of obtaining high yields in individual gardens]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok., No. 1, p. 22-23. 1945. 20 M857
- WEEDS AND POISONOUS PLANTS
- 1463 ÅSLANDER, A. Kloratmetodens klimatzoner. Lantmannen 29: 804-805. Sept. 8, 1945. 11 L234
- Effectiveness of the chlorate method of weed control in relation to rainfall.
- 1464 ÅSLANDER, A. Ogräsutrotning med klorat [Weed control with chlorate]. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 15(35): 11. Sept. 1, 1945. 11 J762
- 1465 ÅSLANDER, A. Ogräsutrotning med klorat hösten 1944 [Weed control with chlorates, in the fall of 1944]. Lantmannen 29: 713-715. Aug. 11, 1945. 11 L234
- 1466 ÅSLANDER, A. Smörblommans utrotning [The extermination of buttercups]. Lantmannen 29: 745. Aug. 18, 1945. 11 L234
- Use of chlorate and the dangers involved.
- 1467 BERGMAN, K. Smörblommans utrotning [Extermination of the buttercup]. Lantmannen 29: 704. Aug. 4, 1945. 11 L234
- 1468 CAMPORI, A. S. El abrojo grande [Xanthium cavallinessii] es tóxico para el cerdo. Soc. Rural Argentina. An. 79: 293-296. Apr. 1945. 9 Sol
- 1469 CHAPMAN, I. D. Water hyacinth eradication experiments studied. La. Conserv. 3(10): 7. Sept. 1945. 279.8 L93
- 1470 DAVIS, F. F. What's been observed in the tests of 2, 4-D on weeds. Golfdom 19(9): 11-13, 15, 17. Sept. 1945. 60.18 G58
- 1471 DEAN, D. Hit the weed first. Iowa State Hort. Soc. Trans. (1944) 79: 341-342. 81 Io9
- 1472 FLOYD, E. Y. Weed control in tobacco beds. South. Agr. 75(11): 33. Nov. 1945. 6 So83
- 1473 GARCIA ROMERO, A. La cuscuta, enemigo de importantes cultivos. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 239-245. Madrid, 1945. 15 Spl20
- 1474 GOWANLOCH, J. N. Economic importance of the water hyacinth, Eichhornia crassipes, in management of water areas. North Amer. Wildlife Conf. Trans. 10: 339-345. 1945. 412.9 N814
- 1475 GRIGSBY, B. H. Poison ivy and poison sunac. Mich. Pub. Health 33: 146-150. Aug. 1945. 449.7 M58M
- 1476 HEGNAUER, L. Several methods for control of weeds during the fall outlined. Northwest Farm News 28(45): 6. Nov. 8, 1945. 275.293 N81
- 1477 HILL, P. A. Treating dandelion and knotweed with 2, 4-D at the country club. Greenkeepers' Rptr. 13(5): 28. Sept./Oct. 1945. 60.18 G83
- 1478 HOFSTEN, C. G. VON. Kampen mot smörblomman i betesmark [The fight against buttercups in pastures]. Lantmannen 29: 653-654. July 21, 1945. 11 L234
- 1479 HOFSTEN, C. G. VON. Nya vapen i kampen mot ogräset. Lantmannen 29: 915-917. Oct. 13, 1945. 11 L234
- Use of growth substances in weed control.
- 1480 HYDE, E. O. C. Weed seeds in agricultural seed (Fifth series). New Zeal. J. Agr. 71: 180-181. Aug. 15, 1945. 23 N48J
- 1481 IBARRA, F. E., and LA PÓRTE, J. Observaciones sobre algunas crucíferas invasoras de cultivos en la Argentina. Rev. Argentina de Agron. 12: 230-245. Sept. 1945. 9 R327
- 1482 LANTZ, H. L. Weed control at Iowa State. Greenkeepers' Rptr. 13(5): 6-9. Sept./Oct. 1945. 60.18 G83
- 1483 M., E. How to clean weedy ground. Pop. Gard. 47: 284. Nov. 3, 1945. 80 G1622
- 1484 MAL'TSEV, A. Bor'ba zasorennost'iu polei [Control of weeds in the fields]. Sotsialist. Sel'sk. Khoz. 12(6): 55-59. June 1941. 281.8 So73
- 1485 MAYTON, E. L., SMITH, E. V., and KING, D. Nutgrass eradication studies: IV. Use of chickens and geese in the control of nutgrass, Cyperus rotundus L. Amer. Soc. Agron. J. 37: 785-791. Oct. 1945. Ref. 4 Am34P
- 1486 PARODI, L. R. Porque deben destruirse las malezas de los cultivos. Soc. Rural Argentina An. 79: 277-281. Apr. 1945. 9 Sol
- 1487 PENNEY, MRS. H. A. Ragweed must go! Home Acres 32(3): 16-17. Oct. 1945. 4 W84
- Control project in Michigan.
- 1488 RATERA, E. L. Algunas gramíneas tóxicas para el ganado. Soc. Rural Argentina. An. 79: 287-292. Apr. 1945. 9 Sol
- 1489 RATERA, E. L. Destrucción de las principales plantas tóxicas para el ganado. Soc. Rural Argentina. An. 79: 299-304. Apr. 1945. 9 Sol
- 1490 RATERA, E. L. Plantas tóxicas para el ganado más comunes en nuestros campos. Soc. Rural Argentina. An. 79: 283-286. Apr. 1945. 9 Sol
- 1491 WIEBULL, W. Skärpt kamp mot ogräsen i fröodlingarna; förbättrad teknik vid själva odlingen [The bitter fight against weeds in crops grown for seed; improved method of cultivation]. Lantmannen 29: 760-761. Aug. 25, 1945. 11 L234
- 1492 WOOLFOLK, E. J. Learn to identify this new weed. Mont. Farmer 33(4): 11. Oct. 15, 1945. 6 M764
- Kochia scoparia and its use as a forage plant.



## MISCELLANEOUS ECONOMIC PLANTS

(Drug, Dye, Rubber, Etc.)

1493 ALTUKHOV, M. Podzimni posev kok-sagzya [Winter planting of kok-saghyz]. *Sotsialist. Sel'sk. Khoz.* 12(9): 49-54. Sept. 1941. 281.8 So73  
 1494 EARLOW, R. O. A modern herbal. VIII. *Mint. Organic Gard.* 7(6): 27-28. Nov. 1945. 56.8 Or3

1495 BRANZANTI, E. C. Relazione su una missione di studio al Kivu (Congo Belga). *R. Ist. Agron. per l'Africa Ital. Relaz. e Mongo. Agr.-Colon.* 34, 92 p. Firenze, 1941. 16 Is7  
 Study of climate, coffee and cinchona culture.

1496 CHARRIN, V. Le retour à la terre. La culture du pyrèthre. *Prog. Agr. et Vitic.* 114: 88-90. Aug. 11/18, 1940. 14 P94

1497 CHOPRA, R. N., BADEWAR, R. L., and GOSWAMI, N. C. Insecticidal and insect-repellent plants of India. In *Calcutta. Royal Botanic Garden, The 150th anniversary volume*, p. 247-264. Alipore, Bengal Govt. Press, 1942. 460.12 C12

1498 CULTIVO del te de China en Misiones. *Chacra* 15(179): 78-79. Sept. 1945. 9 C34

1499 FRANCO CADENA, S. O. Mancha 'e caña. *Sementera* (ser. 2), No. 2, p. 34-35. May 28, 1945. 9.5 Se3

Bamboos of Ecuador.

1500 FURLANI, J. A. El cultivo de la mostaza blanca [Brassica nigra]. *Pampa Argentina* 19(217): 12. Sept. 1945. 9 P19

1501 HENDERSON, G. The Chinese "man-plant" [ginseng]. *Back to Eden* 12(4): 2. (Cont.) Nov. 1945. 80 B12

1502 HENRY, MRS. M. M. Herbs are a "must." *Home Acres* 32(3): 9-11. Oct. 1945. 4 W84

1503 HOBBS, C. H. Guayule - an American source of rubber. *School Sci. and Math.* 45: 615-622. Oct. 1945. 470 Sch64

1504 KROTKOV, G. A review of literature on *Taraxacum kok-saghyz* Rod. *Bot. Rev.* 11: 417-461. Oct. 1945. 450 B6527  
 References, p. 447-461.

1505 KUHNHOLTZ-LORDAT, G. Réflexions sur le "salicot." *Prog. Agr. et Vitic.* 114: 254-261. Oct. 27, 1940. Ref. 14 P94

Culture of Russian thistle (*Salsola*) and other plants formerly grown in France to produce "salicot" (sodium carbonates for soap and glass industry).

1506 KURIEN, P. J. Cultivation of [Hevea] rubber in India. *J. Sci. and Indus. Res.* 2: 124-127. Jan. 1944. 475 J82

1507 LEWIS, M. S. Flora of which the birds approve. *Forest Leaves* 35(4/5): 9. July/Oct. 1945. 99.8 F763

1508 MAS-GUINDAL, J. Cultivo y composición del anís común. *Cult. Mod.* 28(1): 17-18. Jan. 1945. 15 C89

1509 MELLO, A. T. DE. Mudaz sem torrões. *DNC; Rev. do Dept. Nac. do Café [Brazil]* 25: 55-57. July 1945. 286.83 D44

Transplanting coffee.

1510 MENDES, C. T. O sombreamento dos cafezais. *Rev. de Agr. [Piracicaba]* 20: 229-260. July/Aug. 1945. 9.2 R324

1511 MENDES, P. T. Nota preliminar sobre a hibridação do tungue. *Rev. de Agr. [Piracicaba]* 20: 274-275. July/Aug. 1945. 9.2 R324

1512 MORA ANGARITA, G. Importancia de algunas plantas medicinales de Gutiérrez (Boyacá). *Vida Rural* 6(61): 23-24. Aug. 1944. 9.4 V66  
*Styrax benzoin*, *Cinchona*, and *Lycopodium*.

1513 PIERIS, H. A. The cultivation of garlic (*Allium sativum* L.) in Udukunda Division--Uva Province. *Trop. Agr. [Ceylon]* 100: 248-251. Oct./Dec. 1944. 26 T751

1514 POLOVENKO, I., and LIUBICH, V. Organizatsiya uborki kok-sagzya [Organization of the harvesting of kok-saghyz]. *Sotsialist. Sel'sk. Khoz.* 12(9): 22-25. Sept. 1941. 281.8 So73  
 Includes culture.

1515 PRADO, E. M. A cultura do piretro. *Brazil. Min. da Agr. B.* 33(3): 71-81. Mar. 1944. 9.2 Ag33

1516 PRIMEROS cultivos de mandioca. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 241. June 7, 1945. 9.9 G15B

1517 REBOUILLON, A. Sur la taille des mûriers. *Prog. Agr. et Vitic.* 116: 176-182. Oct. 19/26, 1941. 14 P94

1518 SECRETAIN, C. Le mûrier. *Prog. Agr. et Vitic.* 114: 242-246, 285-289, 301-304. Oct. 20, Nov. 3, 10, 1940. 14 P94

1519 SINGH, H. Tephrosia villosa: a plant useful in the treatment of diabetes. *Indian J. Pharm.* 7: 60-63. Apr./June 1945. 396.8 In23

1520 SPEIDEN, E. What herbs can do for a garden. *Organic Gard.* 8(1): 18-21. Dec. 1945. 56.8 Or3

From The Forerunner.

1521 SVENSON, H. K. Carludovica, the Panama-hat plant. *Plants & Gard.* 1: 190-192. Autumn 1945. 450 P694

1522 TARRAGO, E. La morera blanca. *Vinos, Viñas y Frutas* 41: 79-81. July 1945. 9 Ag89

1523 TAUNAY, A. DE E. Processos renovadores de cafeicultura. *DNC; Rev. do Dept. Nac. do Café [Brazil]* 24: 792-799. June 1945. 286.83 D44

1524 TRABUT, L. Le sapindus ou savonnier (*Sapindus mukorosi* utilis). *Prog. Agr. et Vitic.* 114: 410-412. Dec. 15, 1940. 14 P94

1525 VARGAS MENDEZ, J. Cultivo de la quina. *Vida Agr.* 22: 499, 501, 503, 505, 507-514. June 1945. 9.8 V66

1526 VON TREBA, R. L. Honey plants in soil conservation. *Amer. Bee J.* 85: 389-391. Nov. 1945. 424.8 Am3

1527 WILDEMAN, E. DE. Le Congo Belge possède-t-il des ressources en matières premières pour la pâte à papier? *Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém.*, v. 12, No. 3, 156 p. 1943. 504 B8362M

1528 WITTHROCK, G. L. The American spikenard [*Aralia racemosa*]. *Organic Gard.* 7(6): 38-40. Nov. 1945. 56.8 Or3

1529 WOODWARD, H. R. Wild red peppers. *N. and S. Dak. Hort.* 18: 152. Oct. 1945. 81 N817

1530 ZHUKOVSKIY, P. M. Novye vidy rastitel'no-go syr'ya osobogo znacheniya. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok.*, No. 1, p. 7-13. 1945. 20 M857  
 Economic and medicinal uses of plants in U. S. S. R.

## SOILS AND FERTILIZERS

## SOIL SCIENCE

1531 ANNOTATED bibliography of economic geology for 1943. v. 16, No. 1, 126 p. July 1945. 241.65 An7

Prepared under the auspices of the Society of Economic Geologists.

Water underground, p. 72-84; Soils and weathering, p. 84-89.

1532 DELLAZOPPA, J. G. Nociones generales sobre suelos. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 353. Sept. 6, 1945. 9.9 G15E

Composition, reaction, types, and characteristics.

1533 LAFFER, L. E. Some important properties of horticultural soils. *So. Austral. Dept. Agr. J.* 49(1): 35-39. Aug. 1945. 23 So84



- 1534 POLLARD, A. G. Soils and fertilisers. Soc. Chem. Indus. Rpts. Prog. Appl. Chem. (1943) 28: 336-353. 382 M31R

#### Soil Physics

- 1535 BERNARDON, J. Aprovechamiento de las lluvias en los cultivos agrícolas. Uruguay. Min. de Genad. y Agr. B. Inform. 2: 356. Sept. 6, 1945. 9.9 G15B
- 1536 BIALYĬ, A. M. O vodnom rezhime pochvo-grunta na zalezhi i v sevooborote [Concerning the sub-soil water system in fallow and in crop rotation]. Inst. Zern. Khoz. Ūgo-Vostoka SSSR. B., No. 3, p. 14-17. 1944. 20 Sa7
- 1537 DICKINSON, W. E. Los abonos químicos y la tierra negra. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 73-76. May 1945. 65.9 As5B
- Testing soils for aeration characteristics.
- 1538 FIPPIN, E. O. Plant nutrient losses in silt and water in the Tennessee River system. Soil Sci. 60: 223-239. Sept. 1945. 56.8 So3
- 1539 HAISE, H. R., and SHAW, B. T. The importance of the method used in wetting a soil. Amer. Soc. Agron. J. 37: 961-963. Nov. 1945. 4 Am34P
- 1540 MEURICE, R. Notes sur l'importance de la dispersion préalable des colloïdes avant l'analyse mécanique des sols par sédimentation. Ann. de Chim. Analyt. (ser. 3) 23: 285-286. Nov. 15, 1941. 383 An72
- 1541 ROSENBERG, G. Almacenamiento y movimiento del agua en el suelo. Simiente 15(1): 23-38. Jan./Mar. 1945. 9.3 Si4
- 1542 SEDLETZKY, I., and MALOVICHKO, A. Rôle of colloidal-disperse [sic] minerals in the processes of ground freezing. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 130-133. 1945. 511 P444
- 1543 VALLE-RODAS, R. Capillarity in sands. Natl. Res. Council. Highway Res. Bd. Proc. (1944) 24: 389-398. 288.9 N21
- 1544 ZANORA, F. Determinación de la resistencia al esfuerzo cortante en los suelos. Irrig. en Méx. 26(2): 94-104. Apr./June 1945. 55.8 Ir76

#### Soil Chemistry and Mineralogy

- 1545 ACEVEDO D., E. Reacción de los suelos y la fertilización. Union Agr. del Sur 3(18/19): 12-13. July/Sept. 1945. 9.3 Un3
- 1546 ADRIAENS, L., and WAEGEMANS, G. Contribution à l'étude chimique des sols salins et de leur végétation au Ruanda-Urundi. Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém., v. 12, No. 3, 186 p. 1943. Ref. 504 B8362M
- 1547 ARENA, A., MANUELE, R., and BURGO, I. S. Determinación de iodo en suelos. Uruguay. U. Facul. de Agron. Rev., No. 39, p. 9-17. Feb. 1945. 102.5 M76R
- 1548 BAILEY, E. H. Hydrogen-ion concentration of the important soils of the United States in relation to other profile characteristics: III. Intrazonal soils. Soil Sci. 60: 241-262. Sept. 1945. Ref. 56.8 So3
- 1549 BRAY, R. H. Nitrates tests for soils and plant tissues. Soil Sci. 60: 219-221. Sept. 1945. 56.8 So3
- 1550 DOĬARENKO, A. G. Novejšie dostizheniia v diagnostike pochv [Latest achievements in soil diagnosis]. Inst. Zern. Khoz. Ūgo-Vostoka SSSR. B., No. 1, p. 15-21. 1945. 20 Sa7
- Chemical analysis.
- 1551 GOLUBEV, B. A. Pestota uchastka i khimicheskiĭ analiz pochvy. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok., No. 1, p. 52-55. 1945. 20 M857
- Indicator plants and chemical analysis in soil study.

- 1552 GONZALEZ PASTOR, M. Manera de recoger las muestras para análisis de tierras. Fomento [monthly] 2(21): 23. (Cont.) July 1945. 8 F734

- 1553 HOLME, R. V. The importance of soil tests as shown by the use of corn microplot experiments. Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. 1944: 46-54. 65.9 B775
- Discussion, p. 55-58.

- 1554 PIZER, N. H. Soil analysis and advisory problems - IV. Gt. Brit. Min. Agr. Agriculture 52: 315-324. Oct. 1945. 10 G79J

- 1555 ROBINSON, W. O. Método y procedimiento de análisis de suelo empleado en la división de Física y Química del Suelo del Departamento de Agricultura de los Estados Unidos. Uruguay. U. Facul. de Agron. Rev., No. 39, p. 41-67. Feb. 1945. 102.5 M76R
- Translated from English by E. Rodriguez Lopez.

- 1556 SNYDER, G. R. Soil tests a guide to cropping policy. Marit. Farmer and Co-op. Dairyman 51(4): 17. Nov. 20, 1945. 7 C77

#### Soil Biology

- 1557 DECOUX, L., and VANDERWAEREN, J. L'inoculation de la graine de légumineuse. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 523-525. Sept./Oct. 1944. 66.9 In7
- 1558 FEDOROV, M. V. K voprosu o khimizme fiksatii azota atmosfery azotobakterom [Concerning the chemistry of nitrogen fixation with Azotobacter]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok., No. 1, p. 56-60. 1945. 20 M857
- 1559 FEDOROV, M. V., and BOGDANOVA, I. V. Noveye pitatel'nye gredy dlia massovoi kul'tury kluben'kovykh bakterii [New culture media for mass cultivation of nodular bacteria]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok., No. 1 p. 65-67. 1945. 20 M857
- 1560 FEDOROV, M. V., and TEPPER, E. S. Usloviia, opredeliasushchie prizhivaiemost' azotobakter v rizosfere nekotorykh s.-kh. rastenii [Conditions determining the adaptation of Azotobacter in the rhizosphere of some agricultural plants]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok., No. 1, p. 61-64. 1945. 20 M857
- 1561 GAW, H. Z. Studies on the life cycle of vetch nodule bacteria. Soil Sci. 60: 191-195. Sept. 1945. 56.8 So3
- 1562 IMSENECKI, A. On the taxonomy of nitrifying bacteria. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 229-232. 1945. 511 P444
- 1563 KARRAKER, P. E. Carbonaceous organic materials returned to the soil reduce the supply of available nitrogen for a time. Ky. Agr. Col. Ext. Timely Notes on Soils and Crops, Oct. 1945, p. 49, processed. 275.29 K415T
- 1564 KHOLODNYĬ, N. G. O vozdušnom pitanii pochvennykh mikroorganizmov (The aerial nutrition of soil microorganisms). Microbiology 14: 215-219. 1945. 448.3 M582
- English summary.
- 1565 KRASNOBAEV, A. K. Zhiznesposobnost' b. necrophorus v pochve tundry [Vitality of b. necrophorus in the soil of the tundra]. Veterinariia 22(1): 37-39. Jan. 1945. 41.8 V6426
- 1566 MISHUSTIN, E. N., and VASIL'EVA, O. I. Termofil'nye mikroorganizmy pochvy i prichiny, vyzyvashchie ikh rasprostranenie (Thermophilic microorganisms of soil and the causes of their spreading). Microbiology 14: 237-243. 1945. 448.3 M582
- English summary.
- 1567 NICOL, H. Bacteria by the billions in the soil. Family Herald and Weekly Star 76(44): 6. Oct. 31, 1945. 7 F21



1568 VERONA, O., and FLORENZANO, G. Le azioni microbiologiche sui terreni acidi del Centro sperimentale montano di Filippiomboli. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: 112-123. 1939-1943, pub. 1944. 16 En82

1569 VINE, R. Earth worms are good, but - there can be too much of a good thing. New Zeal. Farmer Weekly 56(15): 19-20. Sept. 20, 1945. 23 N484

1570 WERNER, A. R. On the salt resistance of Azotobacter. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 301-303. May 1945. 511 P444

#### Soil-Plant Relationships and Soil Requirements

1571 BRODSKIS, B. L'influence du sol sur la composition chimique du maïs. Soc. des Sci. Nat. du Maroc. B. 23: 56-60. 1943. 515 S01

1572 DYAS, E. S. Soybeans for muck soils. Iowa State Hort. Soc. Trans. (1944) 79: 322-326. 81 I09

Effects of soybeans on the soil.

1573 PARBERY, N. H. Soil acidity and tree nutrition in Murray River citrus orchards; the effects of cultural treatment. Agr. Gaz. N. S. Wales 56: 362-366. Aug. 1, 1945. 23 N472

#### Soil Genesis, Formation, Classification, and Mapping

1574 AUBERT, G., and HENIN, S. Relations entre le drainage, la température et l'évolution des sols. Paris. Acad. des Sci. Compt. Rend. 220: 330-332. 1945. 505 P21

1575 BAUR, K. The soils of western Washington. Wash. Packer 11(3): 6-7. Oct. 1945. 389.8 W27

1576 BODIN, A. Markkarteringen i Södermanland [Soil mapping in Södermanland]. Lantmannen 29: 757-758. Aug. 25, 1945. 11 L234

1577 BRIOX, C., and LABOUNOUX, P. Le Bray de la Seine inférieure, zones des herpages et des bouveries. Ann. Agron. [Paris] (n. s.) 14: 297-335. July/Sept. 1944. 14 An75A

Survey of soils and plants.

1578 FYNN, C. A. La clasificación y cartografía de suelos en América Latina. Uruguay. Dir. de Agron. Cartilla, 76, 20 p. Montevideo, 1945. 9.9 Ur84

1579 GARNETT, C. S. Horticultural geochemistry. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 155-161. Sept. 1944. 84 AL6

Formation of soil from rocks.

1580 GYSEL, L. W. The forest humus layers of Ohio. Soil Sci. 60: 197-217. Sept. 1945. 56.8 S03

1581 KANTOR, M. I. Kompleksnaya gipoteza proiskhozhdeniya selitrennykh mestorozhdeniy [Hypothesis on the origin of saltpeter layers]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok., No. 1, p. 68-69. 1945. 20 M857

1582 MÄNSSON, E. Markkarteringen i Östergötland [Soil mapping in Östergötland]. Lantmannen 29: 784-785. Sept. 1, 1945. 11 L234

1583 R., P. Man lockar ur jorden något av dess hemligheter. Lantmannen 29: 885-886. Oct. 6, 1945. 11 L234

Soil maps of Stockholm Province.

1584 SEIFERT, H. A. Farmers on rich soils unmoved by rumblings. Stock and Land 35(38): 7. Sept. 19, 1945. 49 St63

Soils of volcanic origin in New Zealand.

1585 STORIE, R. E. Inventario de suelos de Chile central. Chile. Dir. Gen. de Agr. Agr. Tec. 5(1): 79-94. Jan./June 1945. 464.9 C432B

Translated by M. Rodriguez Z.

#### SOIL MANAGEMENT

1586 AIKMAN, J. M. Put hilly land to work. Farm Sci. Rptr. 6(4): 8-11. Oct. 1945. 275.28 F22  
Soil management and fruit growing.

1587 ALMADA SAPRIZA, H. En defensa de los naranjales. VII-VIII. Paraguay. Min. de Agr. Rev. de Agr. y Ganad., No. 11-12, p. 17-22, 16-23. (Cont.) July-Aug. 1945. 9.7 Ag8Re

Soil management.

1588 CASTAÑON, G. Necesidad y posibilidades de incrementar nuestra producción agrícola. Siembra 1(1): 26-29. Jan. 1945. 15 S11

Mainly on land reclamation and soil management in Spain.

1589 DAVIS, V. H. Farming for keeps. Ohio Farm Bur. News 25(4): 8. Nov. 1945. 6 Oh34

Soil management.

1590 DELOFFRE, G. Sur la remise en état des terres inondées par l'eau de mer. Paris Acad. des Sci. Compt. Rend. 220: 255-257. Feb. 1945. 505 P21  
Suggestions on tillage, drainage, and use of calcium amendments and fertilizers.

1591 EWING, J. H., JR. Take care of the soil and it'll take care of you. Agr. Leaders' Digest 26(9): 32. Nov. 1945. 275.28 Am3  
Kentucky.

1592 FELDMAN, H. W. "A green kid from the city" revamps a Kansas farm. Soil Conserv. 11: 105-106, 113. Nov. 1945. 1.6 So3S  
Results of conservation farming.

1593 FERGUSON, W. How to convert a farm to bio-dynamics II. The large farm. Bio-Dynamics 4(1): 29-33. Autumn 1945. 56.8 B52

1594 A HERITAGE - our soil, by Ike Conserve. Milky Way 4(1): 6. Oct. 27, 1945. 280.28 M595  
Conservation farming and land classification.

1595 KARRAKER, P. E. To hold soil moisture... the main things to do are to keep down weeds and add humus. South. Agr. 75(11): 24. Nov. 1945. 6 So83

1596 LANG, A. L. A story from the Morrow plots. Furrow, Indpl. - E [Ed.] 50: 4. Sept./Oct. 1945. 6 F981

Demonstrations in soil management.

1597 MANGUM, B. C. More efficient program on conservation for next year announced by Mangum. N. C. Farm Bur. News 19(11): 2. Nov. 1945. 275.293 N. Carolina  
Conservation farming.

1598 MELLO, P. S. Restauração dos cafezais. IV.-V. DNC; Rev. do Dept. Nac. do Café [Brazil] 13(144): 823-826; (145): 59-61. June, July 1945. 286.83 D44

Tillage; use of cover crops; shading coffee bushes.

1599 NIXON, W. M. Soil conservation, more plant food, better crops. Better Crops with Plant Food 29(8): 25-26, 48. Oct. 1945. 6 B46

1600 NUNN, A. Visits with land builders. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(11): 5, 70. Nov. 1945. 6 P945G

Economic benefits of conservation farming.

1601 PARTRIDGE, N. L. Permanent sods in the orchard and their management. Maine State Pomol. Soc. Ann. Rpt. 1944: 61-73. 81 M28

1602 PÉREZ, A. R. La destrucción de la tierra cultivable de la sierra, sus agentes y medios de combatirlos. Sementera (ser. 2), No. 2, p. 10-20. (Cont.) May 28, 1945. 9.5 Se5

Soil management.

1603 STENBERG, M. Gisselås försöksgård 25 år; några resultat från verksamheten [Gisselås experimental farm, 25 years; some results of activities]. Lantmannen 29: 635-636. July 14, 1945. 11 L234  
Farming experiments on boggy soil.

#### Soil Fertility

1604 ALINARI, E. Correlazione tra i miglioramenti e le fasi della fertilità del terreno nel Centro sperimentale montano di Filippiomboli. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: 81-97. 1939-1943, pub. 1944. 16 En82



- 1605 ANDERSEN, E. M. Cover crops aid vegetables. R. I. State Col. Ext. Better Rural Life 6(10): 4. Oct. 1945. 275.29 R34B
- 1606 BAILEY, R. Y. Kudzu responds to potash. Better Crops with Plant Food 29(8): 21-24. Oct. 1945. 6 B46
- 1607 BARACCO G., M. A. Conserve y mejore el suelo de su chacra! No lo empobrezca! Inform. del SCIPA. Ser. para los Agr., No. 5, p. 46-49. Dec. 1944. 9.8 P435
- 1608 BENDER, C. B. Fall fertilization of pastures and hayland. Dairymen's League News 29(22): 19. Oct. 23, 1945. 44.8 D1432
- 1609 BJÖRKLUND, C. M. Bör man kvävegödsla höstsåden redan på hösten? [Should winter grain be fertilized with nitrogen in the fall?] Lantmannen 29: 861-862. Sept. 22, 1945. 11 L234
- 1610 BJORNSETH, E. H. Fertility levels for the growing of vegetable plants. Mich. Agr. Expt. Sta. Q. B. 28(1): 27-34. Aug. 1945. 100 M58S  
Includes determination of tolerance to excesses or deficiencies of nitrate and potassium for peppers and tomato plants.
- 1611 BLACKMON, G. H. Legumes in tung production. Amer. Tung Oil Assoc. Proc. 1945: 27-30, processed. 77.9 Am32
- 1612 BLASER, R. E. How to start white Dutch clover pastures in Florida. Better Crops with Plant Food 29(8): 18-20, 45-47. Oct. 1945. 6 B46  
Use of fertilizers.
- 1613 BRACKEN, L. O. Fertilizing pastures pays dividends. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(11): 22, 62. Nov. 1945. 6 P945G
- 1614 BRANAS, J. Pas de fumures. Prog. Agr. et Vitic. 115: 186-187. Mar. 16, 1941. 14 P94  
Use of fertilizers for grape vines.
- 1615 BROWN, D. S. Orchard soil management. Ill. State Hort. Soc. Trans. (1944) 78: 313-318. 1945. 81 IL6
- 1616 BROWN, D. S. Soil management in peach orchards. Ill. State Hort. Soc. Trans. (1944) 78: 348-353. 1945. 81 IL6
- 1617 BRYAN, A. B. A little boron boosts sweet potato yields. Better Crops with Plant Food 29(8): 11-12, 40-41. Oct. 1945. 6 B46
- 1618 CAMPBELL, J. C., and others. Fertilizer placement for potatoes: a comparison of level-band and hi-lo methods. Amer. Potato J. 22: 297-311. Oct. 1945. 75.8 P842  
A. Hawkins, B. E. Brown, and J. A. Chucka, joint authors.
- 1619 GATES, J. S. Challenge to the Corn Belt. Country Gent. 115(11): 15, 72-73. Nov. 1945. 6 C833  
Effects of nitrogen fertilizers on corn yields in North Carolina.
- 1620 CHUCKA, J. A. Orchard soil fertility problems. Maine State Pomol. Soc. Ann. Rpt. 1944: 53-54. 81 M28
- 1621 COPELAND, E. W., JR. Arkansas cover crops. Ark. Farmer 47(10): 6-7. Oct. 1945. 6 Ar42
- 1622 CROSS, W. E. El empleo de abonos en el cultivo de la caña de azúcar. Tucumán. Estac. Expt. Agr. B. 53, 11 p. Tucuman, 1945. 102.5 T79B
- 1623 CRUZ RIASCOS, L. C. Suelo rico, factor de cultura. Agr. Trop. 1(8): 42-44. Sept. 1945. 26 Ag8
- 1624 DANSK HEDSELSKAB. Aarsberetning 1944-45 [Annual report 1944-45]. Dansk Hedeselskab, Hedeselsk. Tidsskr., v. 66, No. 6, p. 79-110. Sept. 15, 1945. 11 H35  
Use of marl in fertilizing heath lands for reforestation and agricultural uses.
- 1625 DEVOTO, F. E. El "poroto soja" y su influencia para conservar la fertilidad del suelo. Bolsa de Com., Rosario. Rev. 33(808): 9-12. Sept. 15, 1945. 287 R71  
Also in Chacra 15(179): 44-45, 47. Sept. 1945. 9 C34
- 1626 D'EWES, D. R. Western Province [Union of South Africa, farming at the crossroads. Farmer's Weekly Bloemfontein, 69: 1320-1321. Sept. 5, 1945. 24 F225  
Deterioration of the soil resulting from grain farming: importance of soil organic matter.
- 1627 ERASMUS, J. C. Sloping soil used to advantage; valuable results from periodic establishment of grasses. Farmer's Weekly Bloemfontein, 70: 171. Oct. 3, 1945. 24 F225
- 1628 ESPINOZA TORO, R. La deficiencia de materia orgánica en los suelos. Union Agr. del Sur 3(18/19): 40-41, 42, 43. July/Sept. 1945. 9.3 Un3
- 1629 FOKEEV, P. M. Sposoby vneseniia udobrenii pod farovuiu pshenitsu [Methods of fertilizer application under spring wheat]. Inst. Zern. Khoz. Ugo-Vostoka SSSR. B., No. 3, p. 18-21. 1944. 20 Sa7
- 1630 FOSTER, R. E. D. Old cultivated lands revived; constant improvement through use of local grasses. Farmer's Weekly Bloemfontein, 69: 1259. Aug. 29, 1945. 7 F22
- 1631 GERVAIS, P. La fertilisation des champs au moyen des engrais chimiques. Terre de Chez Nous 18(4): 19. Oct. 24, 1945. 7 T27
- 1632 GOURLEY, J. H. Orchard soil management. Ill. State Hort. Soc. Trans. (1944) 78: 170-179. 1945. 81 IL6
- 1633 GRANGE, L. I. The fertility of North Island soils. (Sum.) Roy. Soc. New Zeal. Trans. and Proc. 75(1): XLIII-XLIV. June 1945. 514 M46
- 1634 GREEN, J. Fertilizer tests on wheat in Chouteau County [Mont.], 1944-45. Mont. Farmer 33(5): 8. Nov. 1, 1945. 6 M764
- 1635 GROSS, D. L. Fertility is matter of adequate nitrogen; best and cheapest way to supply this deficient element [is] through growth of sweet clover or alfalfa. Irrig. Farmer 3(7): 1. Nov. 1, 1945. 55.8 Ir78
- 1636 GUSTAFSON, A. F. Saving soil with sod - pays big. Furrow, Syra. - D [Ed.] 50: 4. July/Aug. 1945. 6 F98Sy
- 1637 HOWARD, SIR A. Your inheritance - the fresh produce of a fertile soil. (Excerpts.) Organic Gard. 8(1): 55-58. Dec. 1945. 56.8 Or3  
Relation between soil fertility and human health.
- 1638 JONES, S. C. Potash-nitrate tests on corn - 1945. Ky. Agr. Col. Ext. Timely Notes on Soils and Crops, Oct. 1945, p. 46-47, processed. 275.29 K415T
- 1639 LANG, A. L. Does fertilizing soybeans pay? Soybean Processors' Conf. Rpt. (1944) 1: 19-23, processed. 275.29 IL62Pag
- 1640 LARUE, P. Fertilisation des prairies. - Date d'application de la potasse. Prog. Agr. et Vitic. 116: 167. Oct. 12, 1941. 14 P94
- 1641 LEBER, A. M. El abono de frutales en el delta [del Paraná]. Corp. Frutícola Argentina. Rev. Ofic. 10(118): 9-12. Oct. 31, 1944. 83 C81
- 1642 LUSH, R. H. Fertilize for feed. South. Agr. 75(11): 31. Nov. 1945. 6 So83  
Fertilizing pastures.
- 1643 LUSH, R. H. For healthy animals feed the soil. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 67, 85. Dec. 1945. 6 So81
- 1644 LUSH, R. H. Plant food makes the pasture. South. Planter 106(11): 14, 28. Nov. 1945. 6 So89



1645 MAGGREGOR, N. M. Advisory branch report for 1944. Indian Tea Assoc. Sci. Dept. Ann. Rpt. 1944: 8-11. 68.19 T56

Effects on tea yields of using nitrogen fertilizers and composts in connection with shading.

1646 MATEUS, L. Los abonos mejoran las tierras. Sementera (ser. 2), No. 2, p. 33-34. May 28, 1945. 9.5 Se5

1647 MAUME, L. Ordre d'urgence dans l'emploi des principes fertilisants sur vigne. Prog. Agr. et Vitic. 121: 31-35. Jan. 23/30, 1944. 14 P94

1648 OKANAGAN PLANT NUTRITION COMMITTEE. Fertilizers recommended for fall use in irrigated orchards in British Columbia. Country Life [Vernon], 29(11): 11, 27. Nov. 1945. 7 C832

1649 OLIVA, A. Debbio, calcitazione, debbio calcitato e concimazione fosfatica correttiva del terreni acidi inorganici. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: 146-162. 1939-1943, pub. 1944. 16 En82

1650 PRINCE, F. S. He buys fertilizer instead of grain. Furrow, Indpls. - E. [Ed.], 50: 4, 12. Sept./Oct. 1945. 6 F98I

Pasture fertilization and management.

1651 RAPALLO ABAD, J. El ABC del abonado. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divul. de Enseñanza Rural 1(8): 9. Nov. 1944. 15 Sp12

1652 REICHART, M. A. L. Algunas formas de acrecentar la productividad de los suelos. Soc. Rural Argentina. An. 79: 551-554. July 1945. 9 Sol

1653 REYNOLDS, E. B. Legumes help Texas soil; cotton and corn thrive best on green manure plus fertilizer. South Agr. 75(12): 28. Dec. 1945. 6 So83

1654 SAYRE, C. B. Los extraordinarios efectos de una fertilización. Cuba. Min. de Agr. Rev. 28(3): 72, 83. July/Sept. 1945. 8 Ag88Re

Effects of applications of liquid fertilizers on crop yields.

1655 SCARSETH, G. D. Starving crops cry for plant food. Hoosier Farmer 30(11): 7. Nov. 1945. 280.82 H76

Also in Ohio Farm Bur. News 25(4): 10. Nov. 1945. 6 Oh34

1656 SITTON, B. G., and LOUSTALOT, A. J. Nitrogen promptly increases yields of tung oil. Amer. Tung Oil Assoc. Proc. 1945: 10-15, processed. 77.9 Am32

1657 SNIDER, H. J. Fertility elements in crops. Hoard's Dairyman 90: 703. Nov. 25, 1945. 44.8 H65

1658 STEPHENSON, R. E. Deciduous orchard fertilization. Calif. Cult. 92: 636. Nov. 24, 1945. 6 C12

1659 SYKES, F. Farming 750 acres without artificial fertilizers. Organic Gard. 8(1): 31-34. Dec. 1945. 56.8 Or3

Discussion, p. 34-35.

1660 TERMAN, G. L. Hay yields from three experimental fields in 1945. Ky. Agr. Col. Ext. Timely Notes on Soils and Crops, Oct. 1945, p. 48, processed. 275.29 K415T

Yields resulting from use of fertilizers.

1661 TIEDJENS, V. A. More vegetables for less money. Better Crops with Plant Food 29(8): 6-10, 42-45. Oct. 1945. 6 B46

Use of fertilizers and lime; methods of applying fertilizers.

1662 TRIGO MEZQUITA, A. Pobreza y agotamiento de las tierras de labor. Agr. Levantino 10(114): 28-29. May 15, 1944. 15 Ag85

1663 WALKER, J. Apply manure this fall. U and I Cult. 5(3): 19, 26. Sept. 1945. 66.8 U12

1664 WATKINS, W. F. Future use of fertilizers. East. Milk Prod. 21(19): 3, 11. Oct. 1, 1945. 280.28 Sh3

1665 WHITE, H. F. Organic farming. Past. Rev. 55: 679-680. (Cont.) Sept. 15, 1945. 23 Au75

### Soil Tilth and Tillage

1666 ANDRÉ, E. En väl genomförd höstplöjning [Thorough fall plowing]. Lantmannen 29: 918. Oct. 13, 1945. 11 L234

1667 CARLSSON, G. Hur skall skorpan brytas på jordar som blivit hopslagna av regn? [How to break the crust formed on top of the soil]. Lantmannen 29: 633-634. July 14, 1945. 11 L234

1668 CASTILLO DE LA PARRA, L. E. Debe ararse la tierra? Rev. Nac. de Agr. [Bogotá], 39(490): 11-19. July 1945. 9.4 R32

1669 EGOROV, V. Uglublenie pakhotnogo sloia na pochvakh dernovo-podzolistoi zony [Deepening the arable layer on soils of the turf-podsolic area]. Socialist. Sel'sk. Khoz. 12(6): 60-63. June 1941. 281.8 So73

1670 FALL plowing - a proven practice. U and I Cult. 5(3): 11-12, 32. Sept. 1945. 66.8 U12

Excerpts from a panel discussion.

1671 JAMES, E. Effect of certain cultural practices on moisture conservation on a Piedmont soil. Amer. Soc. Agron. J. 37: 945-952. Nov. 1945. Ref. 4 Am34P

1672 KAY, C. T. This way, digging is a pleasure. Smallholder 74(1,856): 11. Oct. 12, 1945. 10 Sml

1673 RODRIGUEZ Z., M. Labores sub-superficiales. Simiento 15(1): 11-22. Jan./Mar. 1945. 9.3 Si4

Subsurface tillage and machinery used.

1674 SMIRNOV, B. M. Likvidatsiia v paru zaov-suzhennosti polei na ūgo-Vostoke. Inst. Zern. Khoz. ūgo-Vostoka SSSR. B., No. 1, p. 22-29. 1945. 20 Sa7

Eradication of oatgrass by means of fallowing and plowing.

1675 STUBBLE mulch farming. By "Agricola." Past. Rev. 55: 703. Sept. 15, 1945. 23 Au75

### Drainage, Irrigation, Water Supply, and Flood Control

1676 ALMLÖF, E. Lämpigaste torrläggningsdjupet på olika jordarter [The most suitable drainage depth on various soil types]. Lantmannen 29: 821-824. Sept. 15, 1945. 11 L234

1677 BARCIA TRELLES, J. El cultivo de la alfalfa bajo riego. "Granos" Semilla Selecta 8(4/6): 17-19. Apr./June 1944. 9 G762

1678 BODE, I. T. Wildlife stake in flood control planning. Conserv. News, Oct. 1, 1945, p. 3. 279.8 C766

1679 CAMERON, A. E. Citrus expansion; utilization of soil types an irrigation problem; limitations of community watering systems. Citrus News 21: 115, 127. Aug. 31, 1945. 80 Ch94

1680 CARVAJAL, E. El agua en el campo, problema nacional. Surco [Madrid], 4(41): 27-32. July 1945. 15 Su7

Water for irrigation and other farm uses.

1681 COLBY, W. G. Effect of mowing grass on moisture conservation. Mass. State Col. Ext. Fruit Notes, Sept. 28, 1945, p. 4-5, processed. 275.29 M381Fr

1682 COLDWELL, A. E., and others. Future of Lake Mead and Elephant Butte reservoir. Amer. Soc. Civ. Engin. Proc. 71: 1387-1414. Nov. 1945. 290.9 Am3P

W. B. Langbein, G. S. Howard, C. K. Fox, H. V. Peterson, L. C. Crawford, P. C. Benedict, C. P. Berkey, and S. C. Hupp, joint authors.

Reservoir siltation.

- 1683 DANSK HEDESELSEAB. Aaraberetning 1944-45 [Annual report, 1944-45]. Hedeselsk. Tidsskr. 66: 111-150. Sept. 25, 1945. 11 H35  
Excerpts from report of Danish Heath Society. Reports activities relating to land reclamation, drainage, irrigation, and soil improvement.
- 1684 DENIKE, G. N. Big equipment ready to go on Canada's lazy land. Farmer's Advocate and Home Mag. 80: 767, 798. Oct. 25, 1945. 7 F22  
Land reclamation and improvement.
- 1685 DEXTER, A. J. The Heart River Irrigation Project points the way. Dakota Farmer 65(21): 5, 25. Nov. 3, 1945. 6 D14
- 1686 FINLAYSON, H. M. The effect of forests on streamflow. Forest & Outdoors, Nov. 1945, p. 285-286. 99.8 C16
- 1687 GATEWOOD, J. S. Notable local floods of 1939. Pt. 1. Floods of September 1939 in Colorado River Basin below Boulder Dam. U. S. Geol. Survey. Water-Supply Paper 967-A, 39 p. Washington, 1945. 407 G29W
- 1688 GILLIARD, R. Aménagement hydraulique de la région de Lannemezan. Fed. Pyrén. d'Econ. Montagn. Ann. (1942/43) 10: 214-251. 1944. 280.9 F312  
Development of water supply for various purposes, including irrigation.
- 1689 GUISLAIN, A. La correction des torrents a Cauterets. Fed. Pyrén. d'Econ. Montagn. Ann. (1942/43) 10: 252-258. 1944. 280.9 F312  
Flood control; reforestation.
- 1690 JOHN, W. W. Drainage eliminates "boarder" acres. Furrow, Indpls. - D [Ed.] 50: 5. July/Aug. 1945. 6 F981
- 1691 K., J. Une grande expérience agricole; les savants Britanniques envisagent de créer de la terre arable avec du roc. Petit Casablancais 30(1234): 2. Oct. 20, 1945. 280.8 p44
- 1692 LAFLIN, A. Mejora de las pequeñas irrigaciones. Agronomía [Lima], 10(42): 19-21. July/Aug. 1945. 9.8 Ag83
- 1693 MCGILLIVRAY, K. D. Water storage as a means of stabilising fruitgrowing in non-irrigated areas. Agr. Gaz. N. S. Wales 56: 343-346. Aug. 1, 1945. 23 N472
- 1694 MEINZER, O. E., WENZEL, L. K., and others. Water levels and artesian pressure in observation wells in the United States in 1943. Pt. 6, Southwestern States and Territory of Hawaii. U. S. Geol. Survey. Water-Supply Paper 991, 305 p. Washington, 1945. 407 G29W
- 1695 MONTERREY, P. Fera-t-on du Gharb une Californie Marocaine? Pt. 2. Intransigeant Maroc. 6(227): 1. Sept. 21, 1945. 280.8 In89  
Possibilities for flood control and irrigation in the Gharb area of Morocco.  
Continued in Septs 28 issue, p. 1, 3.
- 1696 NELSON, W. R. Livestock growers see feed production from lands under Tucumcari project as basis for new feeding industry in State. N. Mex. Stockman 10(11): 58-59. Nov. 1945. 49 N462  
Irrigation project.
- 1697 ORIVE ALBA, A., BENASSINI, A., and CAJIGA, I. DE LA. Planeación y desarrollo del Distrito de Riego de Tierra Caliente, Mich. Irrig. en Méx. 26(2): 30-50. Apr./June 1945. 55.8 Ir76
- 1698 PENNEFATHER, R. R. "Seeing underground"; soil auger and test wells as water-table checks; apathy and neglect by irrigators. Citrus News 21: 119, 127. Aug. 31, 1945. 80 C494
- 1699 POE, E. Pastures pay the water bill. Soil Conserv. 11: 114-115, 119. Nov. 1945. 1.6 So38  
Irrigated pastures.
- 1700 POHL, W. P. National dam construction. Farmer's Weekly [Bloemfontein], 70: 241. Oct. 10, 1945. 24 F225  
Water and soil conservation in South Africa.
- 1701 PORTER, S. Orchard irrigation takes care in planning. Irrig. Farmer 3(7): 2, 11. Nov. 1, 1945. 55.8 Ir78
- 1702 POWERS, W. L. Supplementing nutrient needs. Com. Fert. 71(4): 19, 44-45. Oct. 1945. 57.8 C73  
Value of supplementary irrigation in subhumid regions.
- 1703 REBOUR, H. À la recherche de l'eau perdue; étude des causes de déperdition de l'eau dans l'arrosage par sillons. Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc. 15: 165-172. Sept. 1945. 80 F9482
- 1704 RIGOTARD, M. Irrigation et quantité d'eau. Prog. Agr. et Vitic. 116: 56-60, 191-194, 249-252, 269-272. July 27/Aug. 3, Oct. 19/26, Nov. 16, 23/30, 1941. 14 F94
- 1705 ROSENFELD, A. H. La humedad optima para la caña de azúcar. Cuba. Min. de Agr. Rev. 28(3): 70-71. July/Sept. 1945. 8 Ag88Re  
Need for irrigation when natural moisture is lacking.
- 1706 ROY, P.-E. Votre meilleure terre est-elle enterrée? B. des Agr. 41(11): 11, 27. Nov. 1945. 7 B872  
Land reclamation and improvement.
- 1707 SALINAS R., A. Los problemas de la irrigación. Campo de Mex. 1(3): 3. Oct. 16, 1945. 8 C155
- 1708 SCOFIELD, C. S. The measurement of soil water. J. Agr. Res. 71: 375-402. Nov. 1, 1945. 1 Ag84J
- 1709 SIMONNEAU, P. La culture irriguée du haricot dans la plaine de l'Habra (Oranie). Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc. 15: 172-175. Sept. 1945. 80 F9482
- 1710 SONDEREGGER, A. L. Correlating flood control and water supply, Los Angeles coastal plain. Amer. Soc. Civ. Engin. Proc. 71: 1439-1442. Nov. 1945. 290.9 Am3P  
Conservation of water mainly for agricultural use.
- 1711 SOROA, J. M. DE. Agricultura; divulgación sobre riego. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(11): 4-5. Feb. 1945. 15 Sp12
- 1712 TEAKLE, L. J. H., and BURVILL, G. H. The management of salt lands in Western Australia. West. Austral. Dept. Agr. J. (ser. 2) 22: 87-93. June 1945. 23 W52J
- 1713 TELLER, C. J. Agua, agua. Managua. Cám. Nac. de Com. e Indus. B. 3(117): 43, 44. May 1945. 287 M316  
Water for irrigation in Nicaragua.
- 1714 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1943. Pt. 1. North Atlantic slope basins. U. S. Geol. Survey. Water-Supply Paper 971, 613 p. Washington, 1945. 407 G29W
- 1715 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1944. Pt. 11. Pacific slope basins in California. U. S. Geol. Survey. Water-Supply Paper 1011, 405 p. Washington, 1945. 407 G29W
- 1716 V., G. F. Good drainage is essential. Pop. Gard. 47: 283. Nov. 3, 1945. 80 G1622
- 1717 VAN DER LINDEN, R. Irrigação por aspersão. Chacaras e Quintais 71: 709-711. June 15, 1945. 9.2 C34
- 1718 WILM, R. G. Mountain water for thirsty lands; how foresters are attempting to squeeze more water from tree-clad watersheds. Amer. Forests 51: 536-537. Nov. 1945. 99.8 F762



Erosion and Erosion Control

- 1719 ABRAHAMSON, J. A. Some facts regarding soil erosion that may be profitable to every nurseryman. Iowa State Hort. Soc. Trans. (1944) 79: 171-173. 81 Io9
- 1720 ALLEN, L. C. News and views on high plains terracing. Prog. Farmer, Tex. Ed. 60(12): 15, 68. Dec. 1945. 6 T311
- 1721 ARENA, A. La conservación de los suelos en Estados Unidos y el problema Argentino de la erosión. Soc. Cient. Argentina. An. 140: 141-176. Aug. 1945. 516 Sol
- 1722 BARAGER, C. P. The plow that broke the plains. Forest & Outdoors, Oct. 1945, p. 267. 99.8 C16
- Deforestation and resulting wind erosion of the soil in Canada.
- 1723 BUIE, T. S. Soil stewardship brings more "ups" than "downs." Soil Conserv. 11: 101-104. Nov. 1945. 1.6 So3S
- Soil conservation by Negro farmers.
- 1724 DE GROOF, G. Conservation des sols congolais et politique agricole. B. Agr. du Congo Belge 35(1/4): 118-136. Mar./Dec. 1944. 24 K83
- 1725 ERASMUS, J. C. Nature's way: best foundation for soil management; contours, terraces and strip cultivation. Farmer [Pietermaritzburg], 34(41): 8. Oct. 12, 1945. 24 F227
- 1726 GAUSSEN, H. Les hospitaliers, les forestiers, les universitaires à Jouéou jusqu'en 1941. Fed. Pyrén. d'Econ. Montagn. Ann. (1940/41) 9: 117-153. 1942. 280.9 F312
- Includes account of efforts toward control of mountain torrents and landslides in the Pyrenees region of France, by means of planting and reforestation.
- 1727 GAYLE, H. K. Soil conservation in Kentucky. Ky. Farmer's Home J. 81(11): 14, 22. Nov. 1945. 6 F2237
- 1728 GLOVER, SIR H. Soil erosion in Baluchistan. Empire Forestry J. 24: 21-32. July 1945. 99.8 Em72
- 1729 GOWDER, M. T. Start near the top of the field - terrace. Prog. Farmer, Ky.-Tenn.-W.Va. Ed. 60(11): 63, 74. Nov. 1945. 6 F945K
- 1730 GREER, P. Let's control erosion. Ky. Sportsman 8(2): 12-13. Nov. 1945. 410 K41
- 1731 HOBSON, I. L. How govern a soil conservation district? Soil Conserv. 11: 110-112. Nov. 1945. 1.6 So3S
- 1732 HUMPHREY, W. R. Our big erosion problem. Acco Press 23(10): 6. Oct. 1945. 6 Ac2
- 1733 ISELY, C. C. Will the Dust Bowl return? Northwest. Miller 224(8): 18, 35, 38-39. Nov. 20, 1945. 298.8 N81
- 1734 LINKOUS, W. L. Our ten-year job ahead. Soil Conserv. 11: 99-100. Nov. 1945. 1.6 So3S
- Soil conservation in Harford County, Md.
- 1735 MCCOY, F. W. Keep the raindrop where it falls. Hawaii Farm and Home 8(10): 9, 21, 40. Oct. 1945. 25 H3191
- Control of soil erosion.
- 1736 MCKINNEY, A. Soil conservation in Ontario. Ontario Milk Prod. 21: 147, 156. Nov. 1945. 44.8 On8
- 1737 MEYER, H. P. Vegetation in the conservation of soil. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 159, 2 p. Pretoria, 1945. 24 So82Pa
- 1738 MOOR, R. A. Somaliland fights erosion. Soil Conserv. 11: 116-119. Nov. 1945. 1.6 So3S
- 1739 PUGET, J. La erosión del suelo en la Patagonia y el talaje de los campos fueguinos. Res 13: 17928-17929. Sept. 5, 1945. 286.85 R31

- 1740 QUEVADO, C. V. Conservación del suelo y del agua. Suelo Argentino 4: 512-516. Aug. 1945. 9 Su2
- 1741 QUINTERO, M., REY VERCESSI, D., and TERRA AROCENA, E. La erosión de los suelos. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 400. (Concl.) Oct. 18, 1945. 9.9 G15B
- 1742 RIPLEY, P. O. Water and soil run-off measured at the Central Experimental Farm [Ottawa]. Farmer's Advocate and Home Mag. 80: 811, 846. Nov. 8, 1945. 7 F22
- 1743 ROGERS, R. W. Inventory time rolls around Soil Conserv. 11: 112-113. Nov. 1945. 1.6 So3S
- Work of soil conservation districts.
- 1744 ROLFE, R. Woods, waters and wildlife; each benefits from soil conservation. Minn. Dept. Conserv. Conserv. Volunteer 8(47): 1-5. July/Aug. 1945. 279.8 C765
- 1745 SEVERSON, H. The bank that kudzu built. Banking 38(5): 63, 118. Nov. 1945. 284.8 Am3
- Encouragement of soil conservation by the Farmers and Merchants Bank of Lineville, Ala.
- 1746 SEVERSON, H. Problem country; Texas' blackland farms are employing new weapons in a winning battle with erosion and a stubborn soil. South. Agr. 75(12): 14, 60. Dec. 1945. 6 So83
- 1747 SUS, N. I. Agrolesomeliativnye meropriyatiia i nauka v voennyi i poslevoennyi periody. Inst. Zern. Khoz. Ūgo-Vostoka SSSR. B., No. 3, p. 3-13. 1944. 20 Sa7
- Agricultural and silvicultural measures for the control of soil erosion.
- 1748 SUS, N. I. Zadachi agrolesomeliativnoi nauki v bor'be s eroziiei pochv [Agricultural and silvicultural scientific problems in the control of soil erosion]. Inst. Zern. Khoz. Ūgo-Vostoka SSSR. B., No. 1, p. 3-15. 1945. 20 Sa7
- 1749 TAUNAY, A. DE E. Combate á erosão das terras cafezeiras (1878). DNC; Rev. do Dept. Nac. do Café [Brazil], 13(145): 25-32. July 1945. 286.83 D44
- 1750 VAN DEN ABEELE, M. L'érosion, problème africain. Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém., v. 11, No. 5, 30 p. 1941. Ref. 504 B8362M
- 1751 WHITE, D. G., and CHILDERS, N. F. Bamboo for controlling soil erosion. Amer. Soc. Agron. J. 37: 839-847. Oct. 1945. Ref. 4 Am34P

Sanitation

- 1752 CHITWOOD, B. G., and BUHRER, E. M. Summary of soil fumigant tests made against the golden nematode of potatoes (Heterodera rostochiensis Wollenweber), 1942-1944. Helminthol. Soc. Wash. Proc. 12: 39-41. July 1945. 436.9 H36
- 1753 CHRISTIE, J. R. Some preliminary tests to determine the efficacy of certain substances when used as soil fumigants to control the root-knot nematode, Heterodera marioni (Cornu) Goodey. Helminthol. Soc. Wash. Proc. 12(1): 14-19. Jan. 1945. 436.9 H36
- 1754 PARRIS, G. K. The nematocidal and fungicidal value of D-D mixture and other soil fumigants. Phytopathology 35: 771-780. Oct. 1945. 464.8 P56
- 1755 STÖCKLI, A. Die wirkung von gesapon auf die freilebenden bodennematoden. Landw. Jahrb. der Schweiz., No. 5, p. 496-506. 1944. 17 L23

MATERIALS FOR SOIL IMPROVEMENT

- 1756 GISIGER, L. Kalk und kali, ihr gegenseitiges verhalten im boden und ihr einfluss auf die nährstoffaufnahme. Landw. Jahrb. der Schweiz., No. 6, p. 516-589. 1944. 17 L23

1757 RAPALLO ABAD, J. Abonos. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divul. de Enseñanza Rural 1(9): 5, 12. Dec. 1944. 15 Sp12

1758 SHELLEY, F. G. Farm bureau secretary outlines provisions of fertilizer legislation. Utah Farmer 65(7): 13, 16, 17. Nov. 10, 1945. 6 D45

1759 STARK, A. Political and economic aspects of Senate fertilizer bill questioned. Utah Farmer 65(7): 12, 22. Nov. 10, 1945. 6 D45

#### Primary Materials

1760 FIREMAN, M., MAGISTAD, O. C., and WILCOX, L. V. Effect of sodium nitrate and ammonium fertilizers on the permeability of western soils. Amer. Soc. Agron. J. 37: 888-901. Nov. 1945. Ref. 4 Am34P

1761 GAPEN, C. E. War-born fertilizer; ammonium nitrate no longer comes as a "hundred-pound tombstone" - science has taught it to flow and to feed crops. South. Agr. 75(12): 24. Dec. 1945. 6 So83

1762 HORNER, C. K. Ammonium nitrate from war to peace. Dom. Com. 33(10): 33-34, 42. Oct. 1945. 157.54 D713

Includes prospects for use as fertilizer.

1763 JONES, L. T. Is blood and bone manure essential for vegetable growing under Perth metropolitan conditions? West. Austral. Dept. Agr. J. (ser. 2) 22: 173-190. June 1945. 23 W52J

1764 MIRJASOV, Z. O rasshirenno primenenii fosforitnoi muki [Concerning the extensive utilization of phosphorite flour]. Sotsialist. Sel'sk. Khoz. 12(7/8): 63-68. July/Aug. 1941. 281.8 So73

1765 STRAIN, W. The Florida phosphate industry. J. Geog. 44: 257-264. Oct. 1945. 278.8 J82

1766 TEAKLE, L. J. H. Experiments with phosphatic fertilizers, 1943 and 1944. West. Austral. Dept. Agr. J. (ser. 2) 22: 100-127. June 1945. 23 W52J

1767 VYAS, N. D. Bonemeal compost. Indian Farming 6: 76-77. Feb. 1945. 22 In283

#### Secondary and Minor Element Materials

1768 C., V. Remise en activité des sulfures bas. alpins. Prog. Agr. et Vitic. 115: 61-62. Jan. 19, 1941. 14 P94

Sulfur and its use in agriculture.

1769 FRICKE, E. F. Molybdenum trials on pastures in north-western districts. Tasmanian J. Agr. 16: 109-111. Aug. 1, 1945. 23 T182T

1770 HARMER, P. M., and BENNE, E. J. Sodium as a crop nutrient. Soil Sci. 60: 137-148. Aug. 1945. Ref. 56.8 So3

1771 MAZAEVA, M. M. Usloviya polozhitel'nogo deistviya magnievykh udobrenii (Factors controlling the favorable effect of magnesium fertilizers). Akad. Nauk. S. S. S. R. Izv. Ser. Biol. 1944: 233-243. 511 Sa2B

1772 STARCHER, G. C. Minor elements for major agriculture. Plantation Stockman 3(3): 8-9, 46-47. Nov. 1945. 49 P69

1773 TEAKLE, L. J. H. Copper fertilizers. West. Austral. Dept. Agr. J. (ser. 2) 22: 172-173. June 1945. 23 W52J

1774 TEAKLE, L. J. H. Experiments with micro-elements for the growth of crops in Western Australia. X. - Manganese for potatoes. Benefit on swamp land at Narrikup. West. Austral. Dept. Agr. J. (ser. 2) 22: 147-148. June 1945. 23 W52J

#### Mixed Fertilizers and Fertilizer Technology

1775 DROSDOFF, M. What's in your fertilizer? Amer. Tung Oil Assoc. Proc. 1945: 60-68, processed. 77.9 Am32

1776 GIRARDIN, J. L'industrie électrochimique des engrais dans les Pyrénées. Fed. Pyren. d'Econ. Montagn. Ann. (1942/43) 10: 314-322. 1944. 280.9 F312

1777 KARTSEV, M. New fertilizer plant established in central Asia. Fert., Feed. Stuffs and Farm Supplies J. 31: 663-664. Nov. 7, 1945. 57.8 F413

1778 RAGUÉ BOTEY, F. Abonos; como deben prepararse los abonos artificiales. Rev. Mens. B.A.P. 28(334): 69, 71-73. Sept. 1945. 9 R326

1779 RAGUÉ BOTEY, F. Como deben prepararse los abonos artificiales. Cult. Mod. 28(1): 15-16. Jan. 1945. 15 C89

1780 SAURMAN, A. V. Pinellas hand tailors fertilizer. Citrus Mag. 8(2): 6-7. Oct. 1945. 80 C498

The Pinellas Growers Association of Clearwater, Fla., a fertilizer cooperative.

#### Fertilizer Statistics

1781 AMERICAN POTASH INSTITUTE. North American deliveries of potash salts, second quarter and first half of calendar year 1945, 2 p., processed. Washington, D. C., 1945. 57.9 Am33D

1782 FERTILIZER needs, coast to coast. Pennsylvania, by F. J. Merkle; California, by Weller Noble. Com. Fert. 71(4): 26-27, 39-40, 42-44. Oct. 1945. 57.8 C73

1783 SCOTT, R. C. The allocation of superphosphate; increased supplies for 1945-46 season. So. Austral. Dept. Agr. J. 49(1): 3-6. Aug. 1945. 23 So84

1784 WISCONSIN. DEPT. OF AGRICULTURE. Commercial fertilizers - 1945. Wis. Dept. Agr. B. 257, 34 p. Madison, 1945. 2 W752Bu  
Fertilizer statistics for 1944.

#### Mineral Soil Amendments

1785 C., V. Les possibilités de certaines roches méridionales en agriculture. Prog. Agr. et Vitic. 114: 392-393. Dec. 8, 1940. 14 P94  
Dolomite.

1786 E., P. Åkerjordarnas kalkbehov i ny be-lysning. Lantmannen 29: 637-638. July 14, 1945. 11 L234

Discussion of lectures by Professor P. Tuorila on lime requirements of soils.

1787 FAGAN, T. W., and others. The influence of liming on the herbage of acidic soils in Merionethshire. Welsh J. Agr. 18: 73-74. July 1945. 10 W46

E. Jones, E. E. Williams, and R. O. Davies, joint authors.

1788 H., J. Function of lime in the soil. Farmers' Gaz. [Dublin] 103: 589., Oct. 6, 1945. 10 F221

1789 TUORILA, P. Några problem rörande kalkningsfrågan [Some problems in connection with liming]. Svenska Vall- och Mosskulturför. Kvrtlskr. 7: 83-101. June 1945. 11 Sv27

1790 TUORILA, P. Om odlingsjordarnas kalkbehov i Finland [On the lime need of cultivated lands in Finland]. Svenska Vall- och Mosskulturför. Kvrtlskr. 7: 102-120. June 1945. 11 Sv27

#### Manures and Composts

1791 ACHARYA, C. N. Manure conservation service. Indian Farming 6: 104-105. Mar. 1945. 22 In283

1792 ACHARYA, C. N. Manurial value of town compost. Indian Farming 6: 410-411. Sept. 1945. 22 In283



1793 ALEXANDER, A. K. S. Keep the manure dry. Farmer & Stock-Breeder 59: 1529. Sept. 25, 1945. 10 F228

Conservation and use of poultry manure.

1794 ANDERSON, J. Sheet composting. Organic Gard. 8(1): 38-40. Dec. 1945. 56.8 Or3  
Combining compost with green manure crops.

1795 BACAL, B. La turba aumenta la producción agrícola. Corp. Frutícola Argentina. Rev. Ofic. 11(129): 17-20. Sept. 30, 1945. 83 C81

1796 BACAL, B. La turba, su importancia en la agricultura, en la ganadería y en la industria. Chacra 14(164): 22, 24-25. June 1944. 9 C34

1797 BONFIRES in October! By "F. R. H. S." Poultry London, 97: 316. Nov. 13, 1945. 47.8 P869

Use of ashes as fertilizer.

1798 C., V. La tourbe, matière première de guerre. Prog. Agr. et Vitic. 115: 78-79. Jan. 26, 1941. 14 P94

1799 CAMARCO, R. DE. Em busca do húmus. São Paulo. Supt. dos Serv. do Café. B. 20: 518-521. May 1945. 68.29 Sa63

1800 CHARRIE, V. Utilisons mieux les cendres de bois. Prog. Agr. et Vitic. 114: 91. Aug. 11/18, 1940. 14 P94

Use of ashes as fertilizer.

1801 CHENEY, H. B., and ENGLEHORN, A. J. Manure - valuable soil builder. Farm Sci. Rptr. 6(4): 12-15. Oct. 1945. 275.28 F22

1802 CHOWDHURY, S. Manures and manuring. Ch. VI. Farm practice with farm manures. Allahabad Farmer 19: 62-67. May 1945. 22 AL5

1803 DARNELL, MRS. J. C. Wood ashes. Back to Eden 12(5): 2-3. Dec. 1945. 80 B12

1804 DESAI, S. V., and BISWAS, S. C. Manure and gas production by anaerobic fermentation of organic wastes. Indian Farming 6: 67-70. Feb. 1945. 22 In283

1805 ÉDEL'SHEYN, V. I. Ob ispol'zovanii domovogo musora v prigorodnom ovoshchevodstve Moskvy i Moskovskoi oblasti [Concerning the utilization of garbage in suburban vegetable gardening of the Moscow region]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok., No. 1, p. 41. 1945. 20 M57

1806 EIRE. DEPT. OF AGRICULTURE. The use and purchase of manures. Eire. Dept. Agr. Leaflet 17, 15 p. Dublin, 1945. 10.5 Ir42

1807 HERTSLET, J. Food for the soil. Home and Country, Durban, 4(51): 6. Aug. 1945. 281.28 H754  
Compost.

1808 HOBSON, A. Use pig manure properly. Smallholder 74(1855): 10. Oct. 5, 1945. 10 Sml

1809 HOGG, B. The importance of pH in composts. Austral. Orchid Rev. 10:49. Sept. 1945. 80 Au73

1810 KUBIERSCHKY, F. Guano de corral. Unión Agr. del Sur 3(18/19): 10-11, 12. July/Sept. 1945. 9.3 Un3

1811 LAURIE, A. How to use wood ashes. Home Gard. 6(4): 55-56. Oct. 1945. 80 H756

1812 MCKEOWN, N. Liquid manure on dairy farms. West. Austral. Dept. Agr. J. (ser. 2) 22: 163-170. June 1945. 23 W52J

1813 MEYER, H. K. Compost and fungl. Organic Gard. 8(1): 52-54. Dec. 1945. 56.8 Or3

1814 PURDY, C. Making leaf mold. Flower Grower 32: 534, 556. Nov. 1945. 80 M72

1815 RUELLI, I. Production rationnelle des engrais à la ferme. Prog. Agr. et Vitic. 116: 208-210. Nov. 2, 1941. 14 P94

Manures: green manure crops.

## FORESTRY

### FOREST ECONOMICS AND POLICY

1816 ALCÓBA MARTÍNEZ, A. Cuestiones previas que plantea la exportación racional de los combustibles sólidos vegetales. Argentina. Sec. de Indus. y Com. B. 1(7/8): 435-438. Apr./May 1945. 280.9 Ar3

Questions of policy in connection with the supply of wood as fuel in Argentina.

1817 ANGEL ARRIGHI, A. El bosque y la tierra. Argentina. Min. de Agr. Almanaque (1945)20: 311-314. 9 Ag874

1818 ANGEL TORAL, M. El árbol constituye un serio problema nacional. Bolsa de Com., Rosario. Rev. 33(809): 7-9. Sept. 1945. 287 R71

1819 BERGALLI, A. V. No perdamos los últimos arboles. Maderil 18(205): 21-22. July 1945. 99.82 M26

On the need for reforestation in Argentina.

1820 BIRD, H. E. Britain's war ravaged woods will rise again. Forest Leaves 35(4/5): 5-6. July/Oct. 1945. 99.8 F763

1821 CLEPPER, H. Rise of the forest conservation movement in Pennsylvania. Forest Leaves 35(4/5): 1-2, 10-12. (To be cont.) July/Oct. 1945. 99.8 F763

1822 DEEN, J. L. Colorado forests can supply jobs. Green Thumb 2(6): 5-6. Nov./Dec. 1945. 80 C82

1823 DICKSON, J. R. The forest question in Ontario. Canad. Hort. and Home Mag., Growers' Ed. 68: 207. Nov./Dec. 1945. 80 C16

1824 GAUSSEN, H. Valeur économique de la forêt pyrénéenne. Féd. Pyrén. d'Econ. Montagn. Ann. (1939) 8: 71-98. 1940. 280.9 F312

1825 GREELEY, W. B. More workers needed for future forest. Forest & Outdoors, Nov. 1945, p. 296. 99.8 C16

1826 GUNSTON, D. Five million acres of new woodland. Home and Country [London] 27: 11. Nov. 1945. 281.28 H752

Plans for reforestation in Great Britain.

1827 HEERMANCE, E. L. The new venture in marketing forest products. Conn. Woodlands 10: 36-37. Oct. 1945. 99.8 C76

Connwood, Inc., a cooperative marketing association for Connecticut woodland owners.

1828 KIENHOLZ, R. Law [of Connecticut] prevents excessive taxation of forest land. Wooden Nutmeg 21(8/10): 3. Aug./Oct. 1945. 99.8 W852

1829 MILWARD, R. C. Forestry on private lands in the United States. Empire Forestry J. 24: 14-20. July 1945. 99.8 Em72

1830 NÁJERA, E. G. ¿Cómo proteger los montes ejidales, en beneficio de los campesinos y la nación? Campo, Guadalajara, 13: 135-136. July 1945. 8 G76

1831 PEÑA, J. Los montes públicos y los particulares. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 11-19. Madrid, 1945. 15 Spl2C

1832 PÉREZ HERNÁNDEZ, L. El clero de Colombia y los amigos del árbol. Un deber de religión y patriotismo: la renovación forestal de Colombia. Vida Rural 6(64): 41-42. Nov. 1944. 9.4 V66

1833 POST-WAR forest policy for India. Empire Forestry J. 24: 52-55. July 1945. 99.8 Em72  
Part of the Second Report on Reconstruction Planning drawn up by the Reconstruction Committee of Council.

1834 RANDHAWA, M. S. A tree plantation plan for northern India. Indian Farming 6: 247-352, 394-397. Aug.-Sept. 1945. 22 In283

Suggestions for encouraging the planting of fruit and ornamental trees, as well as trees for fuel and timber.

- 1835 ROS, F. Renoblación forestal. Agr. Levantino 10(114): 15. May 15, 1944. 15 Ag85  
On the need for reforestation in Spain.
- 1836 SPÄETH, J. N. Illinois forest future. Ill. State Acad. Sci. Trans. (1944) 37: 29-32. 500 IL6  
Need for a constructive forest policy for Illinois.
- 1837 TOSCANO DE CASTELLAR, A. Proyecciones culturales de la Dirección Forestal. Argentina. Min. de Agr. Almanaque (1945) 20: 420. 9 Ag874
- 1838 WILSON, E. Are we getting anywhere in [forest] conservation? Forest & Outdoors, Nov. 1945, p. 305-306. Nov. 1945. 99.8 C16

## FOREST DESCRIPTION AND RESOURCES

- 1839 BEVAN, A. Where will Europe get its lumber? A first-hand report on immediate reconstruction needs of the war-damaged countries and the ability of European forests to meet them. Amer. Forests 51: 532-534, 575-576. Nov. 1945. 99.8 F762
- 1840 BOURGUÉDON, P. M. DE. Le bois dans la région de Luchon [Haute Garonne, France]. Féd. Pyrén. d'Econ. Montagn. Ann. (1940/41) 9: 153-165. 1942. 280.9 F312
- 1841 CARVELLICH, J. M. F. El territorio de Misiones está cubierto por bosques en un 95% de su extensión. En los 2,800,000 hectáreas que ellos cubren se encuentran maderas de alto valor industrial. Argentina. Min. de Agr. Almanaque (1945) 20: 235-237. 9 Ag874
- 1842 GLASS, J. B. Burma timber. T. D. A. Q. Rev., Oct. 1945, p. 10-11. 99.9 T48T  
Prewar output and outlook for the future.
- 1843 HURÉ, B. La cédraie du Moyen-Atlas Marocain. Soc. des Sci. Nat. du Maroc. B. 23: 84-120. 1943. 515 S01
- 1844 PALLIER, A. La forêt dans le Midi de la France; son exploitation au service de la nation. Prog. Agr. et Vitic. 114: 187-189. Sept. 29, 1940. 14 P94
- 1845 ROBERTSON, J. C. H. Water, scenery and crosties. Amer. Forests 51: 548-550, 574-575. Nov. 1945. 99.8 F762  
Preview of the findings in Wyoming of the American Forestry Association Forest Resource Appraisal.
- 1846 RULE, A. East African timber production. Empire Forestry J. 24: 47-51. July 1945. 99.8 Em72  
Wood species and methods of handling.
- 1847 TURNER, E. P. Japan's wooden backbone. Forest & Outdoors, Nov. 1945, p. 291-292. 99.8 C16  
The place of forests and wood in the Japanese economy.
- 1848 WARD, J. D. W. Saverlake Forest [England]. Wood 10: 237-239. Oct. 1945. 99.82 W855

## Individual Genera and Species

- 1849 BRUSH, W. D. Jeffrey pine (*Pinus jeffreyi* Grev. and Balf.). Amer. Forests 51: 554-555. Nov. 1945. 99.8 F762
- 1850 CLEMENTS, J. B. Pines in Nyasaland. Nyasaland Agr. Q. J. 5: 92-93. Oct. 1945. 24 N983
- 1851 COZZO, D. Algunas observaciones sobre el álamo híbrido "Arnaldo Mussolini." Argentina. Min. de Agr. Almanaque 20: 253-255. 1945. 9 Ag874
- 1852 GAUSSEN, H., and TROCHAIN, J. L'expérience des peupliers de Seilh. Féd. Pyrén. d'Econ. Montagn. Ann. (1940/41) 9: 309-330. 1942. 280.9 F312
- 1853 GIACOBBI, O. L. El quebracho blanco. Argentina. Min. de Agr. Almanaque (1945) 20: 111-114. 9 Ag874
- 1854 JARVIS, G. "Juniper," the versatile white cedar [*Chamaecyparis thyoides*]. Nature Mag. 38: 543-544. Dec. 1945. 409.6 N214

- 1855 LORENZ, R. W. Eastern white pine as a timber tree in Illinois. Ill. State Acad. Sci. Trans. (1944) 37: 51-56. 500 IL6
- 1856 PEATTIE, D. C. Redwoods - America's immortals. Frontiers 10: 52-54. Dec. 1945. 410 F92
- 1857 SANGUINO, L. La riqueza corchera española. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 57-65. Madrid, 1945. 15 Sp12C

## FOREST ADMINISTRATION AND MANAGEMENT

- 1858 KELLY-EDWARDS, E. J. Forestry notes for conservation officers. Part I. The relation of forests to general conservation and to conditions in Southern Rhodesia. Rhodesia Agr. J. 42: 288-297. July/Aug. 1945. 24 R34
- 1859 LAFOSSE. Le balivage des taillis sous futaie dans les forêts particulières. Acad. d'Agr. de France. Compt. Rend. 27: 918-922. Oct. 15/22, 1941. 14 P215Bc
- 1860 PALMER, P. Lumberjills. Wood 10: 256-258. Oct. 1945. 99.82 W855  
Work of the Women's Timber Corps, Great Britain.
- 1861 SEIGWORTH, K. J., and ARTMAN, J. O. Woodland management demonstrations in the Tennessee Valley. South. Lumberman 171(2150): 34-35. Nov. 1, 1945. 99.81 S082

## Administration

- 1862 BRITISH GUIANA. FOREST DEPT. Report, 1944, 6 p. Georgetown, 1945. 99.9 B777
- 1863 SOUTH CAROLINA. STATE COMMISSION OF FORESTRY. Report, 1943/44, 85 p. Columbia, 1944. 99.9 S083

## Farm Woodlands

- 1864 ANTONIO RODRÍGUEZ, J. Montes de abrigo y sombra. Asoc. Rural del Uruguay. Rev. 72(9): 106-107, 109-111. (To be cont.) Sept. 1945. 9.9 As5
- 1865 BEAVEN, A. The money value of prairie shelter belts. Forest & Outdoors, Nov. 1945, p. 304. 99.8 C16
- 1866 DIETRICH, I. T. The tree crop must be out, too. Dakota Farmer 65(21): 1-2. Nov. 3, 1945. 6 D14
- 1867 FLOYD, J. W. Turkey windbreak. Amer. Forests 51: 567-568. Nov. 1945. 99.8 F762  
Value of windbreak protecting pasture for turkeys.
- 1868 GONZÁLEZ, A. Importancia de los montes de abrigo. Vinos, Viñas y Frutas 41: 110-111. Aug. 1945. 9 Ag89
- 1869 GUIMONT, A. Aménagement et reboisement. Forêt Québécoise 10: 288. Nov. 1945. 99.8 F79  
Need for management and reforestation of farm woodlands in Quebec.
- 1870 KENNEDY, C. J. Trees for the farm. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 23. Dec. 1945. 6 S081
- 1871 RAVENSCROFT, V. F. Windbreak growing on Idaho dry farms. Furrow, Fort. - E [Ed.] 50: 4. Sept./Oct. 1945. 6 F98P
- 1872 SHAW, T. E. Plenty of trees for planting. Hoosier Farmer 30(11): 22. Nov. 1945. 280.82 H76  
Trees offered by Indiana Division of Forestry for reforesting farm woodlands.
- 1873 WALTERS, C. S. The Governor planted trees; Sinissippi Farm is a memorial to the faith Frank O. Lowden, Illinois governor and twice presidential candidate, held in farm forestry. Amer. Forests 51: 552-553, 571. Nov. 1945. 99.8 F762
- 1874 WOODS, J. B. Maple sugar or maple logs? Amer. Forests 51: 544-547. Nov. 1945. 99.8 F762  
With special reference to conditions in Vermont.



Mensuration

1875 MCMAHAN, M. B. A new log scale. South. Lumberman 171(2151): 57. Nov. 15, 1945. 99.81 So82

FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Pathology in the Plant Science section; articles on forest insects in the Entomology section.

Fire

1876 AMIDON, G. B. The price we pay for carelessness with fire. Minn. Dept. Conserv. Conserv. Volunteer 8(47): 12-14. July/Aug. 1945. 279.8 C765  
1877 KIRCHER, J. C. Prevent forest fires. South. Farmer 106(11): 8. Nov. 1945. 6 So89

SILVICULTURE

See Items 859-874

LUMBERING

1878 GLASSER, C. Wages in the basic lumber industry, 1944. Monthly Labor Rev. 61: 762-776. Oct. 1945. 158.6 B87M

1879 GULIAEV, L. I. Organizatsiia lesozagotovok v lesakh Kazakhstanskogo Altaia [Organization of lumbering in the forests of Kazakhstan Altaia]. Lesn. Promysh., No. 12, p. 6-8. Dec. 1944. 99.82 L56

1880 KELLER, J. W. Wisconsin's co-op log yards. Soil Conserv. 11(5): 107-109, 113. Nov. 1945. 1.6 So3S

1881 WALKER, R. British lumbermen face new future. South. Lumberman 171(2150): 54. Nov. 1, 1945. 99.81 So82

1882 WEST COAST LUMBERMAN'S statistical review and directory of the western forest industries, 1945-1946, 312 p. Seattle, 1945. 225 W524

Equipment

1883 MMEY, K. E. Triple economy - from stump to lumber. South. Lumberman 171(2151): 58. Nov. 15, 1945. 99.81 So82

Use of mechanical equipment.

1884 SMITH, H. P. Power saws cut costs. South. Agr. 75(11): 28-29. Nov. 1945. 6 So83

1885 TELFORD, C. J. Conveyor a labor saver for small mills, simple trough type carries load by moving chain with cross bar or lug. Cross Tie B. 26(10): 9-10. Oct. 1945. 99.82 C87

1886 TELFORD, C. J. Make your own self-loading truck devices. South. Lumberman 171(2151): 26. Nov. 1945. 99.81 So8

Cross-haul loading device and fixed boom loading device.

Logging

1887 MOREWOOD, R. H. Bush safety work still in infancy. Pulp and Paper Mag. Canada 46: 859-860. Oct. 1945. 302.8 P96

1888 REDWOOD LOGGING CONFERENCE. Proceedings, (1945) 9, 11 p., processed. Fort Bragg, Calif., 1945. 99.9 R24

Sponsored by California Redwood Association.

1889 SALTYSKOV, M. I. Sostofanie i perspektivy mekhanizatsii lesozagotovok [Condition and prospects of mechanization of logging]. Lesn. Promysh., No. 12, p. 3-6. Dec. 1944. 99.82 L56

1890 SMITTER, W. Down goes a redwood tree! Sat. Evening Post 218(19): 25-26, 129-130. Nov. 10, 1945. 110 S

1891 TRÄGÅRDH, I., and BUTOVITSCH, V. Råd och anvisningar angående behandlingen av den stormfällida skogen. Sweden. Statens Skogsförsöksanst. Flygb. 55, 4 p. n. p., 1943? 99.9 Sw32F

Directions for logging of windblown trees to prevent infestation of barkbeetles.

1892 TRÄGÅRDH, I., and BUTOVITSCH, V. Ytterligare råd och anvisningar angående behandlingen av den stormfällida skogen. Sweden. Statens Skogsförsöksanst. Flygb. 56, 2 p. n. p., 1943? 99.9 Sw32F  
Advice and directions for salvage logging of wind-blown trees.

1893 WETMORE, L. L. Plans for prevention of woods accidents. Pulp and Paper Mag. Canada 46: 861, 863. Oct. 1945. 302.8 P96

Lumber Industry

1894 ELMER, E. W. Independent lumber dealers in fight against OPA regulations on ceilings. Miss. Val. Lumberman 76(44): 7, 10. Nov. 2, 1945. 99.81 M69

1895 FORREST, S. L. Lumber - postwar. Gulf Coast Lumberman 33(15): 16, 45. Nov. 1, 1945. 99.81 G95

1896 SMITH, R. J. Lumberman sees urgent need for better organization by industry. South. Lumber J. 49(11): 81. Nov. 1945. 99.81 So8

Sawmills

1897 BUKOWSKY, H. E. Hydraulic barker saves manpower and wood. Paper Trade J. 121(21): 70, 72, 74. Nov. 22, 1945. 302.8 P196

1898 MULLER, J. L. Establishing and operating a small sawmill business. U. S. Bur. Foreign and Dom. Com. Indus. Ser. 20, 154 p. Washington, 1945. 157.54 In24

1899 NEKRASOV, E. M. Svaŭnyĭ fundament pod lesopil'nuŭ ramu [Pile foundation under a sawmill frame]. Lesn. Promysh., No. 12, p. 13-14. Dec. 1944. 99.82 L56

1900 OTTER, J. R. Circular sawmills, their equipment and operation. South. Lumberman 171(2151): 59-60, 62, 64, 66, 68. (Cont.) Nov. 15, 1945. 99.81 So82

WOOD TECHNOLOGYChemical and Physical Properties

1901 TIEMANN, H. D. Measurement of moisture in wood. South. Lumberman 171(2151): 55-56. Nov. 15, 1945. 99.81 So82

1902 VANIN, S. I., and SKABICHEVSKAIA, T. P. Makroskopicheskoe stroenie i fiziko-mekhanicheskie svoĭstva drevesiny nekotorykh drevesnykh porod Azerbaĭdzhana [Macroscopic structure and physico-mechanical properties of wood of some wood species in Azerbaijan]. Lesn. Promysh., No. 12, p. 11-13. Dec. 1944. 99.82 L56

Preservative Treatment

1903 CARRETERO, P. V. Un método económico para preservar postes. Argentina. Min. de Agr. Almanaque (1945) 20: 147-150. 9 Ag874

1904 PROTEKOL CORPORATION, KENILWORTH, N. J. Fire-resistant treatment of wood. Chemurg. Digest 4: 327-331. Oct. 31, 1945. 381 N213Na

1905 RIEMAN, E. H. Treated wood. Greenkeepers' Rptr. 13(5): 12. Sept./Oct. 1945. 60.18 G83

Use of chromated zinc chloride for fireproofing.

1906 STARKER, T. J. Preservative treatments of fence posts, 1944 progress report on the post farm. Oreg. Engin. Expt. Sta. B. 9-F, 8 p. Corvallis, 1945. 290.9 Or33

FOREST PRODUCTS

1907 AUSTRALIA. COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH. DIVISION OF FOREST PRODUCTS. Annual report, 1944/45, 43 p., processed. South Melbourne, 1945. 99.9 Au72R

1908 CLOSE, G. C. Resins aid construction of world's largest aircraft, giant H-4 flying boat, held together by more than a million glue joints. *Plastics* 3(5): 62, 66-67, 126. Nov. 1945. 309.8 P695

1909 COLE, A. B. Cross tie renewal indices. 1945 requirements 64,000,000 for replacements and extensions. *Cross Tie B.* 26(11): 7-9. Nov. 1945. 99.82 C87

1910 LAWREN, J. Woodwork city, 'St. Pete' mecca for craftsmen. *South. Lumber J.* 49(11): 20, 75. Nov. 1945. 99.81 So8

1911 OITAVÉN, A. V. La madera, maravilla del siglo. *Chacra* 15(180): 76-77, 85. Oct. 1945. 9 C34

1912 OLSON, W. Z., and SOPER, V. R. Development of shear strength in maple block joints made with two resorcinol glues at temperatures from 40° to 80° F. *Wood Prod.* 50(11): 20, 24, 26. Nov. 1945. 99.82 W856

1913 PINTO, E. Wood adhesives. *T. D. A. Q. Rev.*, Oct. 1945, p. 9. 99.9 T48T

1914 RENAUD, J. Colorado timber makes good fence posts. *Green Thumb* 2(6): 7-8. Nov./Dec. 1945. 80 G82

1915 STONEHAM, N. C. Consumer education, a long-sighted policy for timber men. *Timber Trades J.* 175: 315-316. Nov. 17, 1945. 99.81 T48

1916 VEACH, J. B. Education for the new age of wood. *Miss. Val. Lumberman* 76(46): 8-9. Nov. 16, 1945. 99.81 M69

#### Barrels, Boxes, and Crates

1917 CULLITY, M. The use of jarrah for the manufacture of butter boxes. *West. Austral. Dept. Agr. J.* (ser. 2) 22: 149-153. June 1945. 23 W52J

1918 KAHN, S. H. Wooden containers. *Wood* 10: 249. Oct. 1945. 99.82 W855

1919 LARUE, P. Essences tonnelles. *Prog. Agr. et Vitic.* 114: 352-353. Nov. 24, 1940. 14 P94

1920 LIBURSKIĬ, V. V. Priamopotchnaia tekhnologija izgotovlenija spetsyuporki dlia boepripasov. *Lesn. Promysh.*, No. 12, p. 9-11. Dec. 1944. 99.82 L56

Improved flow of raw material at the Molotov wood-"kombinat" "Krasnyi Oktjabr'" for the production of special wood package for battle supplies.

1921 WAGNER, J. B. Jointing tight barrel staves. *Barrel and Box and Packages* 50(11): 16-17. Nov. 1945. 99.82 B27

#### Building Construction

1922 DOUGLAS FIR PLYWOOD ASSOCIATION. Prefabricated plywood houses. *Cosgrove's Mag.* 17(4): 12-13. Nov./Dec. 1945. (Madison Sub-Branch Libr.)

1923 O'HARE, E. R. Modern glues and building construction. *Prog. Architect.* 26(11): 89-92. Nov. 1945. 296.8 P37

#### Charcoal

1924 CHARRIN, V. La fabrication du charbon de bois. *Prog. Agr. et Vitic.* 114: 154-155. Sept. 15, 1940. 14 P94

1925 VILA, A. Les carbonisateurs forestiers modernes et leurs sous-produits. *Acad. d'Agr. de France. Compt. Rend.* 29: 77-83. Feb. 3/10, 1943. 14 P215Bc

#### Furniture

1926 CARLE, A. B. Plywood in furniture construction. *Veneers and Plywood* 39(11): 18, 20. Nov. 1945. 99.82 V55

#### Plastics

1927 KORSHUN, L. L., and UTKINA, L. A. Fenol-kanifol'no-formal'degidnaia smola dlia proizvodstva plastikov [Phenol-colophony-formaldehyde resin for production of plastics]. *Lesn. Promysh.*, No. 12, p. 14. Dec. 1944. 99.82 L56

#### Pulp and Paper

1928 ERICSSON, E. O. Alcohol from sulfite waste liquor. *Pulp and Paper Indus.* 19(11): 42, 44, 46, 48. Nov. 1945. 302.8 P11

1929 GRANT, J. Pulp and paper. *Soc. Chem. Indus. Rpts. Prog. Appl. Chem.* (1943)28: 118-131. 382 M31R

1930 LITTLE, E. M. Our industry [pulp and paper] is ready for the soldier's return. *Pulp and Paper Mag. Canada* 46: 837-839. Oct. 1945. 302.8 P96

1931 MCCARTHY, J. L. Nature of sulfite waste liquor. *Pulp and Paper Indus.* 19(11): 35-36. Nov. 1945. 302.8 P11

1932 MCGREGOR, G. H. Pulpwood. *Paper Mill News* 68(44): 91-92. Nov. 3, 1945. 302.8 P195  
Deals chiefly with program of Minnesota and Ontario Paper Company.

1933 MALCOLMSON, J. D. Fibre shipping containers in war and peace. *Paper Mill News* 68(45): 22. Nov. 10, 1945. 302.8 P195

1934 MYERS, E. C. W5c fiberboard boxes for canned foods. *Amer. Box Maker* 34(9): 8-10, 18. Oct. 1945. 99.82 Am3

1935 NEUBRECH, W. L. Paper industry facing problems. *Dom. Com.* 33(11): 31. Nov. 1945. 157.54 D713

1936 REINECK, E. A., and LEWIS, H. F. The "fading" of groundwood by light. IV. A search for an inhibitor to prevent the fading of groundwood. *Paper Trade J.* 121(TAPPI Sect.): 193-196. Nov. 15, 1945. 302.8 P196

1937 RITTER, G. A. Defibrator chemi-pulper. *Paper Mill News* 68(44): 84, 86, 88. Nov. 3, 1945. 302.8 P195

1938 SCHAFER, E. R. Hardwoods for groundwood pulp. *TAPPI B.*, No. 60, p. 1-2. Oct. 15, 1945. (Madison Sub-Branch Libr.)

1939 SELSBEE, E. New paper for old China. *Paper Mill News* 68(44): 76, 78, 80. Nov. 3, 1945. 302.8 P195

Paper making by the Chinese Industrial Cooperatives.

1940 STEVENSON, L. T. How and why the southern paper and pulp industry leads the Nation. *South. Pulp & Paper J.* 8(5): 83-85. Oct. 1945. 302.8 So8

1941 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. CONTAINER TESTING COMMITTEE. Compression test of fiberboard shipping containers; TAPPI Tentative Standard T 804 m-45. *Paper Trade J.* 121(TAPPI Sect.): 215-216. Nov. 29, 1945. 302.8 P196

1942 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. PAPER TESTING COMMITTEE. Edge tearing resistance of paper. TAPPI Suggested Method T 470 m-45. *Paper Trade J.* 121(TAPPI Sect.): 179-180. Nov. 1, 1945. 302.8 P196

1943 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. PAPER TESTING COMMITTEE. Rigidity, stiffness, and softness of paper and paperboard, revision of TAPPI Tentative Standard T 451 m-44. *Paper Trade J.* 121(TAPPI Sect.): 197-198. Nov. 15, 1945. 302.8 P196

1944 THROCKMORTON, E. A. The future of "V" and "W" boxes in peace. (Abridgment.) *Amer. Box Maker* 34(9): 13, 24. Oct. 1945. 99.82 Am3

1945 VINCENT, G. P., and WHITE, J. F. German research in the use of sodium chlorite in the manufacture of wood pulp and cellulose. 3. The production of paper pulps of maximum strength. *Paper Indus. and Paper World* 27: 1038-1039. Oct. 1945. 302.8 P1923



1946 VINCENT, G. P. Sodium chlorite in pulp bleaching. Paper Trade J. 121(TAPPI Sect.): 191-192. Nov. 15, 1945. 302.8 P196

1947 WEST, C. J. Sizing of paper. Part III. Inst. Paper Chem. Bibliog. Ser. 165, p. 330-474. Appleton, Wis., 1945. 241.4 Ap5

#### Tanning Materials

1948 RUSSELL, A., VANNEMAN, C. R., and WADDEY, W. E. Natural tanning materials of the southeastern United States. VIII. Mountain species. Amer. Leather Chem. Assoc. J. 40: 422-426. Nov. 1945. 303.9 Am52

Lists tree species with their botanical and common names.

#### Veneers and Plywood

1949 BOOTH, F. L. Veneered woodwork for church and chapel. Veneers and Plywood 39(11): 10-11. Nov. 1945. 99.82 V55

1950 CAMPBELL, C. C. Sales appeal for plywood--now. Veneers and Plywood 39(11): 9, 17. Nov. 1945. 99.82 V55

1951 HARDELL, J., and HERWITZ, R. Delamination of melamine impregnated fabric from plywood. Plastics Trends 5(21): 5, processed. Nov. 1, 1945. 309.8 P692

1952 HYLPER, J. E. Heat application for gluing [wood]. Veneers and Plywood 39(11): 26, 28. Nov. 1945. 99.82 V55

1953 MCCOLL, E. L. Market in Ireland for plywood. Canada. Dept. Trade and Com. Com. Intel. J. 73: 503-504. Nov. 24, 1945. 286.8 C16

1954 YORGIADIS, A. J., and ROBERTSON, J. M. Plywood characteristics disclosed by vibration tests. Pa. Engin. Expt. Sta. Tech. Paper 16, 8 p. n. p., 1944. 290.9 P38Tp

#### Wood as Fuel

1955 CHARRIN, V. Généralités sur le gaz des forêts. Prog. Agr. et Vitic. 114: 351-352. Nov. 24, 1940. 14 P94

1956 ERMAKOV, G. Zagotovka topliva dlia gazo-generatorsnykh traktorov [Production of fuel for gas-producing tractors]. Sotsialist. Sel'sk. Khoz. 12 (7/8): 34-36. July/Aug. 1941. 281.8 So73

Wood and peat.

1957 KUHNHOLTZ-LORDAT, G. Les forêts du carburant. Prog. Agr. et Vitic. 114: 87-88. Aug. 11/18, 1940. 14 P94

1958 UGGLAS, C. AF. Kan träffas överträffa koks? Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 15(28): 1, 9. July 14, 1945. 11 J762

Use of wood for fuel, with special attention to the use of wood chips.

#### MISCELLANEOUS

1959 ACTA de la tercera asamblea anual de la Asociación [sic] de Amigos del Árbol, efectada el 28 de Septiembre de 1944. Vida Rural 6(64): 6-10. Nov. 1944. 9.4 V66

1960 ALLHEIMEN, H. Una exitosa obra de Fomento Forestal. Chacra 15(180): 24-25. Oct. 1945. 3 C34

Tree-growing activities of school children in Argentina.

1961 ASSOCIATION FORESTIERE QUÉBÉCOISE. Rapport annuel (1944) 6, 31 p. Québec, 1945. 99.9 As74R

1962 BELTRÁN, P. P. Los amigos del árbol. Vida Rural 6(64): 2. Nov. 1944. 9.4 V66

Aims of the Asociación de Amigos del Árbol, Colombia.

1963 HARRISON, J. D. R. For alert young Canadians! Forestry as a profession. Forest & Outdoors, Nov. 1945, p. 297-298. 99.8 C16

1964 HOW TO plan and maintain a memorial forest. Amer. Forests 51: 538-542, 574-575. Nov. 1945. 99.8 F762

1965 MACKERNES, E. D. "Rural rides" and the English woodland. Trees [Dorchester] 9: 57-62. Oct./Dec. 1945. 99.8 F714

Comments by William Cobbett on trees and woodlands.

1966 MARTIN, C. W. A new State forest [in Connecticut]. Wooden Nutmeg 21(8/10): 1, 4. Aug./Oct. 1945. 99.8 W852

1967 PALMOUR, MRS. O. Community forests as living memorials. Gen. Fed. Clubwoman 25(7): 15-16. Oct. 1945. 280.8 G282

1968 PATTERSON, P. Reduced grazing proposals on Pike [National Forest] studied by stockmen. West. Farm Life, Oct. 15, 1945, p. 6. 6 R153

1969 RIGDEN, J. T. Yavapai cattlemen voice grazing protest. Ariz. Stockman 11(10): 15-16. Nov. 1945. 49 Ar4

Protest against cutting of grazing permits by U. S. Forest Service.

1970 ROY, H. Le forestier dans le choix de l'industrie. Forêt Québécoise 10: 317-322, 325-329, 331-334. 99.8 F79

1971 TIMOFEEV, V. P. Plody nauchnoi raboty; vos'midesiatiletie Lesnoi opytnoi dachi TSKHA [Timiriazevskaya Sel'skokhoziaistvennaya Akademika] [80 years of experimental work of the Experiment Forest of the Timiriazev Agricultural Academy]. Lesn. Promysh., No. 12, p. 16-19. Dec. 1944. 99.82 L56

#### Education

1972 ANDERSON, R. D. Teaching timber preservation. Agr. Ed. Mag. 18:88. Nov. 1945. 275.8 Ag8

Vocational agriculture in South Carolina.

1973 BULKLEY, W. F. Forestry in the agricultural high school. Agr. Leaders' Digest 26(8): 18-19. Oct. 1945. 275.28 Am3

1974 HOSKINS, R. N. Instruction in forestry. Agr. Ed. Mag. 18: 108. Dec. 1945. 275.8 Ag8

1975 MALSBERGER, H. J. Trees as a crop in the South. Mfrs. Rec. 114(11): 36-37. Nov. 1945. 297.8 M31

Deals chiefly with vocational forestry training camps for southern farm boys.

#### ANIMAL INDUSTRY

##### BREEDS AND BREEDING

1976 BOGOLUBSKIY, S. N. O parallelizmkh v prisenakakh domashnikh zhivotnykh (On the parallelisms in the characters of domestic animals). Akad. Nauk S. S. R. Inst. Evoliuts. Morf. im. Akad. A. N. Severtseva. Pamiat. Akad. Severtseva, 1866-1936. 2(1): 263-296. 1940. Ref. 444 Ak1

English summary, p. 286-287.

1977 FIADEIRO, J. Uma questão de terminologia zootécnica: o termo raça. Rev. de Med. Vet. [Lisboa] 40: 149-153. Apr./June 1945. 41.8 R3215

1978 IMPERIAL COUNCIL OF AGRICULTURAL RESEARCH, INDIA. Nomenclature of different breeds and types of domesticated livestock in India. Indian Farming 6: 415-416. Sept. 1945. 22 In283

1979 LEFROY, E. H. B. Corrective mating as opposed to progeny testing. Past. Rev. 55: 675-676. (Concl.) Sept. 15, 1945. 23 Am75

1980 LOEFFEL, W. J. Uniformity is high goal all breeders should seek. West. Live Stock 31(3): 30. Oct. 1945. 49 W523

- 1981 LOPEZ Y LOPEZ, C. Esterilidad y fecundidad artificial. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 389-396. Madrid, 1945. 15 Spl2C
- 1982 MARSHALL, F. H. A., and HAMMOND, J. Fertility and animal-breeding. Gt. Brit. Min. Agr. and Fisheries. B. 39, ed. 6, 44 p. London, 1945. Ref. 10 C794B
- 1983 RICE, V. A. Mating of related animals; inbreeding does not create anything--good or bad. It allows the genes to get sorted into like patterns. Shorthorn World 30(4, i. e. 14): 30, 55-58, 60-61. Oct. 10, 1945. 43.8 Sh8
- 1984 RICE, V. A. The principles of selection; it is obvious that selection is the keystone of animal breeding. Shorthorn World 30(15): 3, 10-15. Oct. 25, 1945. 43.8 Sh8
- 1985 SANCHEZ HERNANDO, F. Elección de reproductores y mejora ganadera. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 21-29. Madrid, 1945. 15 Spl2C
- 1986 WINNIGSTEDT, R. Zuchtmethoden und probleme der deutschen tierzucht. Deut. Agrarpolitik 2: 225-228. May 1944. 281.8 D48
- FEEDS AND FEEDING**
- 1987 B., G. Les pailles. -- Leur valeur alimentaire. Prog. Agr. et Vitic. 116: 66-67. Aug. 10, 1941. 14 P94  
For livestock.
- 1988 BERESFORD, R. Saving corn. Hormel Farmer 9(2): 4-5. Oct. 1945. 49 H782  
Making ear or shelled corn silage from soft corn.
- 1989 BOHSTEDT, G. Pasture for breeding stock. Hoard's Dairyman 90: 587. Oct. 25, 1945. 44.8 H65
- 1990 BORUFF, C. S., and WEINER, L. P. Feed by-products from grain alcohol and whiskey stillage. Indus. Waste Util. Conf. Proc. (1944) 1: 83-88. 381 In2
- 1991 BRÉTIGNIÈRE. L'ensilage des fourrages verts. Prog. Agr. et Vitic. 115: 108-109. Feb. 9, 1941. 14 P94
- 1992 BRÉTIGNIÈRE, M. L. Il faut penser à l'ensilage des fourrages verts. Prog. Agr. et Vitic. 115: 338-341. May 11, 1941. 14 P94
- 1993 CARRIÈRE, E. L'utilisation familiale du marron d'Inde. Prog. Agr. et Vitic. 116: 239-240. Nov. 16, 1941. 14 P94  
For livestock.
- 1994 CLIFFE, A. E. Minerals in feed. Milling and Feed 26(10): 9, 12. (Cont.) Oct. 1945. 298.8 Cl62  
Concerning iodine.
- 1995 CORNEVIN, C. Alimentation par des produits excrémentitiels. Prog. Agr. et Vitic. 115: 320-322. May 4, 1941. 14 P94  
Feces of silkworms as feed for swine and horses, and feces of horses as feed for cattle.
- 1996 CORRIE, F. E. Some elements of plants and animals. 11. Phosphorus in animal nutrition. Fert., Feed. Stuffs and Farm Supplies J. 31: 599-600. Oct. 10, 1945. 57.8 F413
- 1997 DALL, H. M. High-powered feeds boost production. Country Gent. 115(11): 52-53. Nov. 1945. 6 C833  
Use of thyroproteins.
- 1998 DIAZ PEREZ, T. Sistemas económicos de conservación de recursos forrajeros. Agrario 10 (366): 12. Aug. 16, 1945. 9.3 Ag85
- 1999 ERIKSSON, S. Förlusterna vid vallfodrets förtorkning. Lantmannen 29: 737-738. Aug. 18, 1945. 11 L234  
Loss of protein and carotene in the drying of hay.
- 2000 FAWCETT, C. J. Surplus spuds make good feed. Breeder's Gaz. 110(10): 27, 31. Nov. 1945. 49 B74
- 2001 HAS GRASS silage a future? By Varro. Field 186: 273. Sept. 15, 1945. 10 F45
- 2002 HASTINGS, E. G. Urea as a substitute for rrotein. Hoard's Dairyman 90: 696. Nov. 25, 1945. 44.8 H65  
As feed for ruminants.
- 2003 HERNER, M. C. Minerals in relation to feed. Canad. Grain J. 1(4): 12. Nov. 1945. 59.8 Cl6
- 2004 HJELLE, J. O. Security on the range; western stockmen like co-operative grazing. Country Gent. 115(11): 26-27, 80-82. Nov. 1945. 6 C833
- 2005 HOEKZEMA, J. P. Mr. Farmer don't let soft corn get you down. Farmers Guide 101(21): 2. Nov. 1, 1945. 6 In2
- 2006 HUGHES, C. W., and HAUGE, S. M. Nutritive value of distillers' dried solubles as a source of protein. J. Nutr. 30: 245-258. Oct. 10, 1945. Ref. 389.8 J82
- 2007 JOHNSON, I. B. Feed it this winter. Breeder's Gaz. 110(11): 8-9. Dec. 1945. 49 B74  
Soft corn.
- 2008 M., L. Rutabagas et topinambours dans l'alimentation du bétail. Prog. Agr. et Vitic. 115: 54-57. Jan. 19, 1941. 14 P94
- 2009 MCLAN, W. Balancing winter and summer food [for livestock]. Welsh J. Agr. 18: 39-40. July 1945. 10 W46
- 2010 MAS SOLANES, R. DE. El mijo como alimento del ganado. Cult. Mod. 28: 90-91. Mar. 1945. 15 C89
- 2011 MONTEIL, L. Les aliments de disette du bétail: glands et marrons d'Inde. Prog. Agr. et Vitic. 114: 281-284. Nov. 3, 1940. 14 P94
- 2012 MONTEIL, L. Les grignons d'olives dans l'alimentation du bétail. Prog. Agr. et Vitic. 116: 36-38. July 20, 1941. 14 P94
- 2013 MONTEIL, L. Note préliminaire sur l'emploi des bourbes de muté dans l'alimentation du bétail. Prog. Agr. et Vitic. 116: 19-22. July 13, 1941. 14 P94
- 2014 MONTEIL, L. Les pépins de raisins dans l'alimentation du bétail. Prog. Agr. et Vitic. 116: 5-7. July 6, 1941. 14 P94
- 2015 MONTEIL, L. Les sarments de vigne feuillés dans l'alimentation du bétail. Prog. Agr. et Vitic. 114: 222-224. Oct. 13, 1940. 14 P94  
Silage from grapevine shoots.
- 2016 NAGORE, D. El ensilado de forrajes; práctica fundamental para el progreso ganadero español. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 219-227. Madrid, 1945. 15 Spl2C
- 2017 NEEL, L. R. Winter feeds; farm animals appreciate good quality and you'll find that it pays to give it to them. South. Agr. 75(11): 10, 45. Nov. 1945. 6 So83
- 2018 NUSSBAUM. A propos de la communication de M. Piérot sur les conséquences facheuses d'une alimentation du bétail avec des résidus industriels sucrés. Rev. de Path. Compar. 41: 514-519. Dec. 1941. 448.8 R326  
Author's name appears as Nussbaum.
- 2019 OLSSON, N., and JARL, F. Utfodningsförsök med betför (Feeding experiments with dried molasses-beet pulp ("betfor")). Lantbrukshögsk., Uppsala. Husdjurförsöksanst. Meddel. 18, 60 p. Uppsala, 1945. 104 Up62  
English summary.
- 2020 PECK, L. Tag on bag does not tell true feeding value of what the bag contains. Feed Bag 21(10): 15, 55-56. Oct. 1945. 389.78 F32
- 2021 PHILLIPS, R. Balance of food -- summer and winter [for livestock]. Welsh J. Agr. 18: 35-37. July 1945. 10 W46



- 2022 RESEARCH and the farmer. V. Conservation of grass and herbage crops. North. Ireland. Min. Agr. Monthly Rpt. 20: 130-133. Sept. 1945. 256.13 Ag82M  
Haymaking, ensilage, and grass drying.
- 2023 RUTLEDGE, W. A., and COMMON, R. H. The composition and digestibility of northern Irish ryegrass seed and ryegrass seed cleanings. II. Data for 'flatweed', 'hairgrass' and commercial Yorkshire fog seed, with a note on inorganic constituents. J. Agr. Sci. [London] 35: 123-125. July 1945. 10 J822
- 2024 SCHUURMAN, G. J. For drought-stricken stock; molasses and salt additions to veld hay and old grass. Farmer's Weekly [Bloemfontein] 70: 237. Oct. 10, 1945. 24 F225
- 2025 SECRETAIR, C. Utilisation de la feuille de mûrier comme fourrage. Prog. Agr. et Vitic. 114: 382-384. Dec. 8, 1940. 14 p94
- 2026 SIEVERT, C. W. Getting formulas up-to-date. Flour & Feed 46(6): 14-16. Nov. 1945. 298.8 F66

- 2027 STEVENS, E. Live display of feeding tests arouses feed buyers interests. Feedstuffs 17(44): 18-19. Nov. 3, 1945. 286.81 F322
- 2028 STODDART, L. A., and RASMUSSEN, D. I. Big game-range livestock competition on western ranges. North Amer. Wildlife Conf. Trans. 10: 251-256. 1945. 442.9 N814
- 2029 VEALE, R. J. Silage making; with special reference to the use of green pea haulm or trash. Tasmanian J. Agr. 16: 103-106. Aug. 1, 1945. 23 T182T

Includes description of types of silos.

- 2030 VENTRE, J. Les sarments-fourrages; leur préparation, leur valeur alimentaire, leur utilisation possible en dehors de l'alimentation du bétail. Prog. Agr. et Vitic. 115: 211-215. Mar. 23/30, 1941. 14 p94

Silage from grapevine shoots.

- 2031 WALBERG, A. O. Cobalt in livestock feeding. Rural Co-op. 10(2): 6. Sept. 25, 1945. 280.28 R88
- 2032 WOODMAN, H. E. This winter's feeding of live stock. Gt. Brit. Min. Agr. Agriculture 52: 305-311. Oct. 1945. 10 G79J

#### VETERINARY MEDICINE

- 2033 ALEKSANDROV, N. A. Probirochnyĭ sposob ovoskopii. Veterinariia 21(4): 32-33. Apr. 1944. 41.8 V6426

Improved and efficient method of studying eggs of intestinal nematodes.

- 2034 ALIKAEV, V. A., comp. Novye dannye o bolezniakh molodniaka [New data on diseases of young animals]. Veterinariia 22(1): 18-21. Jan. 1945. 41.8 V6426

Reports from various parts of the U. S. S. R.

- 2035 ARCHER, R. K. Clinical applications of the human type of dental spray. Vet. Rec. 57: 513. Nov. 17, 1945. 41.8 V641

Sprayer adaptable to veterinary use.

- 2036 ARMANDO CASAS, M. Enfermedades parasitarias observadas en las reses de consumo y su propagador inmediato: el perro. Argentina. Min. de Agr. Almanaque (1945) 20: 367-366. 9 Ag874

- 2037 BARRAZA, F. Distomatosis hepática. Agrario 10(366): 13. Aug. 16, 1945. 9.3 Ag85

- 2038 BENINCASA, V. Acción veterinaria. Pampa Argentina 19(216): 7. Aug. 1945. 9 P19

- 2039 BERTRAND, G., and BERTRAND, D. Présence générale du rubidium chez les animaux. Paris. Acad. des Sci. Compt. Rend. 220: 25-28. Jan./June 1945. 505 P21

- 2040 BONELLI, G. Nosografia veterinaria del Commissariato Regionale del Sidamo. Riv. di Biol. Colon. 3: 341-376. Oct. 1940. 442.8 R522

- 2041 CAICEDO AGUILAR, R. Necrosis bacilar en los animales y difteria en los terneros. Rev. de Med. Vet. [Bogotá] 14(88): 51-55. Jan./June 1945. 41.8 R3214

- 2042 CANO, A. E. La fenotiazina como antiparasitario. Res 13: 17930-17931. Sept. 5, 1945. 286.85 R31

- 2043 CONKLIN, I. Just what is this brucellosis? Dairy Goat J. 23(9): 8. Nov. 1945. 40.18 M592

A general account.

- 2044 CUADROS PINTO, A. Las vacunas y los sueros. Agrario 10(366): 14. Aug. 16, 1945. 9.3 Ag85

- 2045 DOMRACHEV, G. V. Sovremennaya otŝenka zheltukhi [A modern explanation of jaundice]. Veterinariia 22(1): 30-34. Jan. 1945. 41.8 V6426

- 2046 DROZDOV, N. S., MINKOWSKAJA, W. L., and DREILING, N. P. Ueber die proteine des wässerigen extrakts der skelettmuskeln. Biochem. Z. 308: 116-121. June 4, 1941. 384 B522

- 2047 DURAN-JORDA, F. Local haemopoiesis as seen in the abomasum of the cow and sheep. Vet. J. 101: 191-194. Sept. 1945. 41.8 V643

Mainly livestock in general.

- 2048 ENZIE, F. D. Anthelmintic studies with some thymol-like compounds. Helminthol. Soc. Wash. Proc. 12(1): 19-24. Jan. 1945. 436.9 H36

- 2049 ENZIE, F. D. Methyl chloroform as an anthelmintic. Helminthol. Soc. Wash. Proc. 12(1): 24-26. Jan. 1945. 436.9 H36

- 2050 FABRETTI, C. La ragione biologica della retrattilità dell'utero dopo il parto. Clin. Vet. 64: 373. Oct. 1941. 41.8 C61

- 2051 FREI, W. Die rolle der gefäßwand bei der infektionsabwehr. Schweiz. Arch. f. Tierheilk. 87: 341-357. Sept. 1945. 41.8 Sch9

- 2052 GILLAIN, J. La phenanthridine et les trypanosomiasis animales. Insucces avec le rotenone et les pyrethrines. Inst. Natl. pour l'Étude Agron. du Congo Belge. Commun. Rec., No. 1, p. 21-27. 1943. 24 In7C

- 2053 GONZALEZ RUIZ, G. T. Rabia parasiante [mal de caderas] de los animales. Argentina. Min. de Agr. Almanaque (1945) 20: 271-272. 9 Ag874

- 2054 HAMMOND, J. Physiological factors affecting birth weight [in livestock]. Nutr. Soc. Proc. 2(1/2): 8-12. 1944. 389.9 N953

Discussion, p. 12-14.

- 2055 HAMMOND, J. Planned growth of farm livestock. Farmer's Weekly [Bloemfontein] 70: 234. Oct. 10, 1945. 24 F225

- 2056 HERMAN, C. M. Deer management problems as related to diseases and parasites of domestic range livestock. North Amer. Wildlife Conf. Trans. 10: 242-246. 1945. 412.9 N814

- 2057 HOUZE, L. La lymphangite épizootique sur le littoral algérien. Acad. Vét. de France. B. 14: 55-58. Mar./Apr. 1941. 41.9 R24

- 2058 ISOLATO, A. L'anasarca; nuove vedute sulla patogenesi e sulla cura. Clin. Vet. 64: 411-414. Nov. 1941. 41.8 C61

- 2059 KIKUTH, W. La terapia delle piroplasmosi con l'acaprin. Clin. Vet. 64: 183-185. May 1941. 41.8 C61

- 2060 KRASHEVSKIY, I. U. Semena konskogo shchavelia - effektivnoe sredstvo pri ponose molodniaka sel'skokhoziaistvennykh zhivotnykh [Seeds of horse sorrel - an effective remedy in diarrhea treatment of young livestock]. Veterinariia 22(1): 44. Jan. 1945. 41.8 V6426

- 2061 LEITAO, J. L. DA S. A caça e o problema parasitário. Rev. de Med. Vet. [Lisboa] 40: 126-135. Apr./June 1945. 41.8 R3215

- 2062 MARKOV, A. A. Profilaktika gemosporidiazov pri peregonakh zhivotnykh [Prophylaxis of Haemosporidiosis during the driving of livestock]. Veterinariia 21(4): 5-8. Apr. 1944. 41.8 V6426

- 2063 MIRABELLI, H. J. Campaña profiláctica contra las zoonosis. Campo [Buenos Aires] 29(347): 12, 32-33. Sept. 1945. 9 C15  
Mainly concerning hydatidosis in livestock.
- 2064 MOREJON PUIG, L. F. Los estrogilos. Rincón Campesino 6(59): 26-29, 32. Oct. 1945. 8 R47
- 2065 MORGAN, E. La fiebre aftosa. Rev. Pecuaria, No. 83, p. 5-6. Aug. 1945. 49 R326
- 2066 MORIXE ILARRAZ, J. C., and AROCENA FOLLE, J. Creación del Instituto Anti-Aftósico. Asoc. Rural del Uruguay. Rev. 72(7/8): 61, 63. July/Aug. 1945. 9.9 As5
- 2067 NARDWELLI, L. Aspetti macro e microscopici del nodo vaccinale entiaftoso. Clin. Vet. 64: 283-291. Aug. 1941. 41.8 C61
- 2068 NEW YORK STATE VETERINARY COLLEGE, CORNELL UNIVERSITY. Report, 1943/44, 137 p. Geneva, 1945. 41.9 N482R
- 2069 NORBERT, M. L'École de Médecine Vétérinaire à l'Institut d'Oka. Rev. d'Oka 19: 143-148. Sept./Oct. 1945. 7 Ok1
- 2070 ONTARIO VETERINARY COLLEGE. Report, 1944, 32 p. Toronto, 1945. 41.9 On8R  
Partial contents: Progress report on plans for the control of Bang's disease, by C. D. McGilvray and J. S. Glover, p. 11-14; Report of comparative studies of various Brucella abortus antigens, by J. S. Glover and W. B. Durrell, p. 14-18; Omphalitis (navel ill) [in chicks and poult], by J. S. Glover, p. 18-19; Salmonellosis in swine, by F. W. Schofield, p. 20; Herd bacterins in the control of bovine mastitis, by F. W. Schofield, p. 21-23.
- 2071 ORLOV, I. V. Mocha zhivotnykh kak dezinfektsionnoe i dezinsektatsionnoe sredstvo [Animal urine in the control of helminths]. Veterinariia 21(4): 21-22. Apr. 1944. 41.8 V6426
- 2072 OZERSKAJA, V. N. Soveshchanie po voprosam gel'mintologii pri Glavnom Veterinarnom Upravlenii NKZ SSSR [Consultation on questions of helminthology in the Main Veterinary Administration of the People's Commissariat of Agriculture of U. S. S. R.]. Veterinariia 21(4): 13-16. Apr. 1944. 41.8 V6426
- 2073 PARKER, H. What is brucellosis? Hoard's Dairyman 90: 699. Nov. 25, 1945. 44.8 H65  
A general account.
- 2074 PEGREFFI, G., and MURA, D. Saggi di vaccinazione antibrucellare. Clin. Vet. 64: 347-350. Oct. 1941. 41.8 C61
- 2075 PETROV, A. M. Dinamika epizootii Moniezioza i Diktiokaul'za ovets, koz i krupnogo rogatogo skota [Dynamics of epizootic Moniezia and Dictyocaulus of sheep, goats, and large horned cattle]. Veterinariia 21(4): 17-19. Apr. 1944. 41.8 V6426
- 2076 PHILLIPS, H. Vet. service should be zoned in Great Britain. Smallholder 74(1856): 16. Oct. 12, 1945. 10 Sm1
- 2077 PIÉROT, M. Contribution à l'étude comparative de la torsion utérine chez les solipèdes et chez les ruminants. Rev. de Path. Compar. 41: 502-506. Dec. 1941. 44.8 R326
- 2078 PRONIN, G. I. Parolekarstvennoe lechenie gnoinykh i gnoino-nekroticheskikh ran [Steam-medical treatment of purulent and pussy-necrotic wounds]. Veterinariia 21(4): 39-40. Apr. 1944. 41.8 V6426
- 2079 RAKE, G., ALEXANDER, R., and HAMRE, D. M. The relationship of the agent of heart-water fever - Rickettsia ruminantium. Science 102: 424-425. Oct. 26, 1945. 470 Sci2  
To the lymphogranuloma-psittacosis group of agents.
- 2080 RAMON, G., RICHOU, R., and HOLSTEIN, G. L'application de l'anatoxine staphylococcique au traitement spécifique de diverses affections dues au staphylocoque chez les animaux domestiques. Rev. d'Immunol. 7: 241-244. 1942. 44.8 R323
- 2081 RAMON, G., and STAUB, A. Les nouveaux procédés de vaccination contre le charbon et contre le rouge. Rev. d'Immunol. 7: 237-240. 1942. 44.8 R323
- 2082 SAXER, E. Neuere erfahrungen auf dem gebiete der bruzellosen. Schweiz. Arch. f. Tierheilk. 87: 316-327. Aug. 1945. 41.8 Sch9
- 2083 SCHANG, P. J., and others. La acción del frío sobre el virus de la fiebre aftosa. Res 13: 18071-18074. Sept. 20, 1945. 286.85 R31  
A. A. Rottgardt, F. Rosenbusch, S. Quiroga, F. Rossi, N. D'Allessandro, and R. L. Campion, joint authors.
- 2084 SCHULTZE F., E. S., and CAICEDO AGUILAR, R. El diagnostico serologico de unas cepas colombianas de Salmonella. Rev. de Med. Vet. [Bogota] 14(88): 43-50. Jan./June 1945. 41.8 R3214
- 2085 SHCHEPILOV, N. S. Pravil'no planirovat', svoevremennno vypolnit' protivoepizooticheskie meropriiatiia [Correct planning and timely practicing of anti-epizootic measures]. Veterinariia 22(1): 6-7. Jan. 1945. 41.8 V6426
- 2086 SKRIABIN, K. I. Likvidiruem nedopustimoe otstavanie gel'mintologicheskoi praktiki ot dostizhenii nauki. Veterinariia 21(4): 8-13. Apr. 1944. 41.8 V6426  
Progress made in the U. S. S. R. in helminthology, and reasons for former deficiencies.
- 2087 SMITH, J. A. B. The effect of diet on lactation in animals. Nutr. Soc. Proc. 2(1/2): 46-50. 1944. 389.9 N953
- 2088 SOUTHERN RHODESIA. VETERINARY DEPT. Scheduled diseases of stock in Southern Rhodesia. Part I-II. Rhodesia Agr. J. 42: 211-221, 269-271. May/June, July/Aug. 1945. 24 R34  
Contains descriptions of most of the diseases.
- 2089 SPERBER, I. Studies on the mammalian kidney. Uppsala U. Zool. Bidr. 22: 249-432. 1942/44. Ref., p. 423-431. 410 Up6
- 2090 TARASIUK, J. El enteqe, enfermedad mortal. Campo y Arado 1(5): 10-11. Aug. 1945. 9 C152
- 2091 TENDEIRO, J. Produtos para pesquisas laboratoriais: colheita e remessa. Portugal. Dir. Geral dos Serv. Pecuários. B. Pecuário 12(3): 47-108. 1944. Ref. 41.8 P83  
Includes diagnosis of livestock diseases.
- 2092 TISCHHAUSER, L. A. Practical formulas. North Amer. Vet. 26: 656, 658. Nov. 1945. 41.8 N812
- 2093 TSION, R. A. Enterokolity molodn'faka zhivotnykh [Enterocolitis in young animals]. Veterinariia 22(1): 9-16. Jan. 1945. 41.8 V6426
- 2094 VALCARCEL, F. F. Sueros y vacunas españolas para ganadería. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 317-328. Madrid, 1945. 15 Spl2C
- 2095 VALENTE, J. S. Algumas causas de erro no diagnóstico laboratorial do carbúnculo hemático. Portugal. Dir. Geral dos Serv. Pecuários. B. Pecuário 12(3): 41-45. 1944. 41.8 P83
- 2096 VALENTE, J. S. A capsulogénese do "Bacillus anthracis" nos meios de cultura. Portugal. Dir. Geral dos Serv. Pecuários. B. Pecuário 12(3): 35-40. 1944. 41.8 P83
- 2097 VALENTE, J. S. Isolamento da "Shigella paradyserteriae" a partir de um polvo. Rev. de Med. Vet. [Lisboa] 40: 181-186. Apr./June 1945. 41.8 R3215
- 2098 VALENTE, J. S. Os métodos e pesquisa das Salmonelas. Rev. de Med. Vet. [Lisboa] 40: 192-195. Apr./June 1945. 41.8 R3215
- 2099 VAVAKO, D. Ricerche sui vaccini anti-carbonchiosi pasteuriani; cause determinanti l'insufficienza e gli accidenti vaccinali. Clin. Vet. 64: 5-13. Jan. 1941. 41.8 C61
- 2100 VEGA, M. J. Importancia de la vacunación en la ganadería. Fomento [monthly] 2(21): 7, 21. July 1945. 8 F734
- 2101 VIANELLO, G. Osservazioni sulla traumatologia dolosa dei grossi animali domestici. Clin. Vet. 64: 407-410. Nov. 1941. 41.8 C61



## MISCELLANEOUS

2102 ALIKAEV, V. A. Osnovnye usloviia sokhraneniia i vyrashchivaniia molodniaka [Basic conditions for preserving and raising the young]. Veterinariia 22(1): 8-9. Jan. 1945. 41.8 V6426

2103 ASOCIACIÓN NACIONAL DE GANADEROS DE VENEZUELA. Estatutos. Rev. Pecuaria, No. 83, p. 29-33, 35-37, 39. Aug. 1945. 49 R326

2104 AXELSSON, J. Försöksverksamheten på husdjursområdet [Research activities in the livestock field]. Lantmannen 29: 654-656. July 21, 1945. 11 L234

2105 HARSCH, M. Shelby County Penal Farm. Amer. Hampshire Herdsman 20(11): 10, 19, 23. Nov. 1945. 46.8 Am33

Described mainly from the standpoint of livestock, with special reference to the care of swine.

2106 LAKTIONOV, A. M. Obespechit' kolkhozy osvobodivshiesia raionov zdorovym skotom [To provide the collective farms of the liberated regions with healthy livestock]. Veterinariia 21(4): 1-4. Apr. 1944. 41.8 V6426

2107 MARTIN DE FRUTOS, J. El camello, animal objeto de explotación de la zootecnia. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 193-201. Madrid, 1945. 15 Spl2C

2108 P., H. All set for the winter; suggestions for small livestock-keepers. Smallholder 74(1857): 10. Oct. 19, 1945. 10 Sml

2109 RUELLE, L. L'élevage dans notre région; ses possibilités de développement et son organisation syndicale. Prog. Agr. et Vitic. 115: 36-40. Jan. 12, 1941. 14 P94

In France.

2110 RURAL register of Iowa. 1945 ed., 535 p. Des Moines, 1945. 225 R88  
Directory of over 116,000 farm owners and a classified list of livestock breeds and breeders.

2111 SWAFFAR, P. A livestock show for the South. South. Planter 106(11): 29. Nov. 1945. 6 So89

Proposed to be located at Richmond, Va., and named the Atlantic Rural Exposition.

2112 TENDEIRO, J. Os Grémios de Lavoura e o fomento agro pecuario. Rev. de Med Vet. [Lisboa] 40: 168-173. Apr./June 1945. 41.8 R3215

2113 TROTTER, I. P. Results of Livestock and Feed Conference [held at College Station, Tex.]. Coastal Cattleman 11(10): 33-34. Dec. 1945. 45.8 C63

2114 WARD, H. W. How old the brand? Cattleman 32(6): 21-22. Nov. 1945. 49 C29

Includes all types of property identification.

2115 WEBER, A. D. Importance of live stock shows revealed by history. West. Live Stock 31(3): 18-19. Oct. 1945. 49 W523

## CATTLE

## Breeds and Breeding

2116 ALBRECHTSEN, R. Cows from test tube breeding outyield their dams. Agr. Leaders' Digest 26(9): 28. Nov. 1945. 275.28 Am3

2117 ANDERSON, J. Seasonal variation in the reproductive capacity of the bull. J. Agr. Sci. [London] 35: 184-196. July 1945. 10 J822

2118 ANDERSSON, I. H. Utnyttjas antavlornas uppgifter vid avelsurvalet [Is the information from breeding records used in the selection of breeders?]. Lantmannen 29: 600. June 30, 1945. 11 L234

Concerning dairy cattle; discussion bearing same title, continued by V. Olsson in the above journal of July 14, 1945.

2119 ANDREEV, A. Prikaz No. 1121 po Narodnomu Komissariatu Zemledeliia Soiuza SSR ot 27 noiabria 1944 goda o kostromskoi porode krupnogo rogatogo skota [Order 1121 at the USSR's People's Commissariat of Agriculture in regard to the Kostroma breed of large horned cattle]. Veterinariia 22(1): 1-2. Jan. 1945. 41.8 V6426

A new breed of dairy cattle.

2120 ASDELL, S. A. How have record-breaking cows been bred? Amer. Dairy Cattle Club. Herd Builder 5(10): 3-5. Oct. 25, 1945. 43.9 Am323H

2121 ASSOCIAÇÃO DO REGISTRO GENEALÓGICO SUL RIO-GRANDENSE. Herd book brasileiro das raças Hereford, Shorthorn e outras de corte, 1944, 54 p. Pelotas, Braz., 1945. 43.9 As74

2122 BERNAL, W. La raza Holstein Friesian en Colombia. Vida Rural 7(74): 24-26. Sept. 1945. 9.4 V66

2123 BLACKBURN, W. Pourquoi un taureau de race? B. des Agr. 41(11): 30. Nov. 1945. 7 B872  
Dairy bulls.

2124 BURROWS, G. T. Makers of the modern dairy Shorthorn in England. Milking Shorthorn J. 26 (10/11): 24. Oct./Nov. 1945. 43.8 M59

2125 CASARES, V. R. Consideraciones sobre la cría del Holando Argentino en el país. Rev. Mens. B. A. P. 28(334): 21, 23, 25. Sept. 1945. 9 R326  
Taken from "Revista Soc. Rural Rosario."

2126 CENTRAL VETERINARY SOCIETY. The examination of the stud bull for soundness. Vet. Rec. 57: 459-464, 472-474. Oct. 13, 20, 1945. 41.8 V641  
Discussion opened by N. J. Scorgie, D. L. Stewart, and E. Conn.

2127 COPELAND, L. Keeping bulls in service; good pens and stalls will enable you to keep your dairy bull in safety. South. Agr. 75(12): 33. Dec. 1945. 6 So83

2128 DRAFER, J. Herefords in the heart of Texas. South. Stockman 5(11): 8-10, 100-102. Nov. 1945. 49 So83

Description of some ranches.

2129 ELDER, C. R. What American colleges are doing to better the Blacks; Iowa State College. Aberdeen-Angus J. 27(4): 28, 46. Nov. 1945. 43.8 Ab3

2130 FISHER, J. Seek out good inheritances in dairy cattle; - then make them better in the next generation. Farmer [Pietermaritzburg] 34(37): 10. (To be cont.) Sept. 14, 1945. 24 F227

2131 FORBES, R. C. The purposeful cow. Breeder's Gaz. 110(10): 22-23, 26, 31. Nov. 1945. 49 B74

Milking Shorthorns.

2132 FRANKE, P. Better cows - more milk - more money; the Texas Jersey Cattle Club is holding out a lantern by which the dairymen may better see the road to prosperity. Acco Press 25(10): 10-12. Oct. 1945. 6 Ac2

2133 GAMMON, B. O. Polled Herefords sweep forward in the Southeast. Amer. Hereford J. 36(13): 148. Nov. 1, 1945. 43.8 Am32

2134 HAHNE, D., and ANDERSON, E. H. Mr. Smith "goes to town." Aberdeen-Angus J. 27(4): 24, 82-83. Nov. 1945. 43.8 Ab3  
Description of an outstanding herd.

2135 HOPKINS, A. G. Much British beef comes from Shorthorn herds that supply milk; dual purpose herds have place on farms. Milking Shorthorn J. 26 (10/11): 5. Oct./Nov. 1945. 43.8 M59

2136 HOVELAND, N., and others. Adding up the score on test-tube heifers. Successful Farming 43 (11): 26, 116, 118-119. Nov. 1945. 6 Su12  
C. E. Hughes, W. J. Hunt, T. F. Lounsbury, E. J. Perry, and J. Roe, joint authors.

Effect of artificial breeding on milk production.

2137 I., I. V. R. Preservative for bull semen; egg-yolk phosphate. Indian Farming 6: 418. Sept. 1945. 22 In283

2138 JERSEY BULLETIN. The bull special. Jersey B., v. 64, No. 20, p. 1443-1596. Oct. 20, 1945. 43.8 J48

Partial contents: Sire averages - some things they can tell us; latest volume of the American Jersey Cattle Club, by W. S. Meacham, p. 1462-1464, 1594; The genetics of your herd sire, by W. R. Horlacher, p. 1465, 1593-1594; The Sam-Blonde cross, by J. A. Sims, p. 1468-1469, 1579; The Meridale herd analysis [with] graphs and explanations which portray exact status of every animal classified, according to sires, by R. Bree, p. 1471-1473; Results of bull programs, by J. C. Misbet, p. 1473, 1584-1585; Texans are asking, "Is your bull worth his keep?", by A. Dieterich, p. 1477; Cooperative insemination in New York, by G. W. Salisbury, p. 1478-1479, 1577-1579; Superior sires, by A. L. Oswald, p. 1483-1484, 1568, 1570.

2139 JOHANSON, C. E., and others. Fruktsamhet och utfodringen [Fertility of cattle and their diet]. IV-IX. Lantmannen 29: 593-594, 613-614, 634-635. June 30-July 14, 1945. 11 L234 IV, by C. E. Johanson; V, by H. Sandstedt; VI, by A. Holmgren; VII, by B. Tillander; VIII, by L. Sandberg; IX, by W. Fransson.

2140 JOHNSON, L. A roomful of ribbons. West. Farm Life 47(18): 5, 10, 12. Nov. 1, 1945. 6 R153 Describing a Holstein-Friesian dairy farm.

2141 KALMER, J. Métodos nuevos para forzar la producción de ganado. Asoc. Rural del Uruguay. Rev. 72(9): 118. Sept. 1945. 9.9 As5 Use of pregnant mare's serum.

2142 KERSHAW, L. R., MORRISON, S., and BATTLES, O. V. Importance of the cow in the foundation herd. Aberdeen-Angus J. 27(4): 36, 106-107. Nov. 1945. 43.8 Ab3

2143 KOSTROMSKAIA poroda krupnogo rogatogo skota [Kostroma breed of large horned cattle]. Veterinariia 22(1): 3-5. Jan. 1945. 41.8 V6426

A new breed of dairy cattle in the U. S. S. R.

2144 LABARTHE, C. A. El Cebú en los Estados Unidos del Brasil. Peru. Dept. de Ganad. Trop. Divulg. 3, 80 p. Lima, 1944. 49.9 P432

2145 LAMASTER, J. P. The ideal Guernsey. South. Agr. 75(11): 40-41. Nov. 1945. 6 So83

2146 LIVESAY, E. A. The commercial beef cattle breeder. Aberdeen-Angus J. 27(4): 31. Nov. 1945. 43.8 Ab3

Selecting bulls.

2147 MCGREGOR, W. A. Naming your Angus cattle. Coastal Cattleman 11(10): 16-17. Dec. 1945. 43.8 C63

2148 MOMUNN, E. W. Allen County "goes for" Ayrshires. Ohio Farmer 196(9): 10. Nov. 3, 1945. 6 Oh3

2149 MCNEEL, J. S., JR. The story of the lady and the bulls. Tex. Livestock J. 4(11): 52. (Concl.) Nov. 15, 1945. 49 T29

Concerning a Brahman cattle ranch.

2150 MURRAY, V. B. New Zealand Hereford breeders on lookout for new blood. Amer. Hereford J. 36(13): 22, 190. Nov. 1, 1945. 43.8 Am32

2151 OLSSON, V. Utnyttjas antavlornas uppgifter vid avelsurvalet [Is the information from breeding records used in the selection of breeders?]. Lantmannen 29: 641. July 14, 1945. 11 L234

Continuing discussion as to dairy cattle which bears the same title as that by I. H. Andersson in the same journal, dated June 30, 1945.

2152 PELLETIER, J. R. Eighty-five years raising Ayrshires; the story... of a great Quebec institution which has rendered great service to the Ayrshire breed. II. Canad. Ayrshire Rev. 26: 259-261, 292-293. Nov. 1945. 43.8 Ay72

French text, p. 279-281, 284-286.

École Supérieure d'Agriculture, Ste. Anne de la Pocatière.

2153 PHILLIPS, P. H. Vitamin C treatment for sterility. Shorthorn World 30(4, 1. e. 14): 24-25. Oct. 10, 1945. 43.8 Sh8

2154 REESER, M. M. More and better sires. Milking Shorthorn J. 26(10/11): 26-27. Oct./Nov. 1945. 43.8 M59

2155 RICE, V. A. Retooling [breeding] for more profitable dairying. Hoard's Dairyman 90: 670, 690-691. Nov. 25, 1945. 44.8 H65

2156 RICE, V. A. Sex--problem child. South. Stockman 5(11): 72, 74, 78, 88. Nov. 1945. 49 So83 Concerns cattle.

2157 SANDERS, A. H. The Hereford in America. Part III-IV. Amer. Hereford J. 36(13): 82-83; (14): 29-30. Nov. 1-15, 1945. 43.8 Am32

2158 SANDERS, A. H. History of Aberdeen-Angus. Aberdeen-Angus J. 27(4): 41, 52-56. (Cont.) Nov. 1945. 43.8 Ab3

May appear as a book when conditions permit.

2159 SANTIAGO MEJIA, El ganado "romo-sinuano" un producto de Colombia. Agr. Trop. 1(8): 23-28. (To be cont.) Sept. 1945. 26 Ag8

2160 SCHNEIDER, G. Ayrshires versus other breeds of dairy cattle. Ranchman 5(7): 45. Nov. 1945. 49 R15

2161 SCHWEIZER, R. Ein Beitrag zur Sterilitätsbekämpfung. Schweiz. Arch. f. Tierheilk. 87: 374-378. Sept. 1945. 41.8 Sch9

In cattle.

2162 SETTERGREN, S. Kontroll av besättningsar-nas sexuella hälsotillstånd. Lantmannen 29: 651-652. July 21, 1945. 11 L234

Prevention of low fertility in dairy cattle.

2163 SHAW, A. O. Some basic rules for economical milk production. Prog. Farmer, Car.-Va. Ed. 60(11): 22, 72. Nov. 1945. 6 P945

Effect of breeding.

2164 SHULTZ, E. N. Canmsett Dynamo--outstanding Guernsey proved sire. Hoard's Dairyman 90: 584, 597. Oct. 25, 1945. 44.8 H65

2165 TENGWALL, C. Vilka tjurar böra användas i seminaveln [What bulls should be used in artificial breeding?]. Lantmannen 29: 641. July 14, 1945. 11 L234

2166 TUDOR, W. The farm size breeder. Shorthorn World 30(4, 1. e. 14): 25. Oct. 10, 1945. 43.8 Sh8

2167 VINE, V. Are purebreds phony? E. Parmalee Prentice, founder of the American Dairy Cattle Club, says they are. Farm J. 69(12): 23-24. Dec. 1945. 6 F2212

Milk production the criterion.

2168 YAPP, W. W. Heredity and environment determine milk yields. Pure Milk 19(10): 14. Oct. 1945. 280.28 P97

#### Feeds and Feeding

2169 A., P. Maintaining milk yields before winter feeding begins. Farmers' Gaz. [Dublin], 103: 608. Oct. 13, 1945. 10 F221

2170 BAILEY, J. Grain and dairy cows. Hoard's Dairyman 90: 642-643. Nov. 10, 1945. 44.8 H65

2171 BATTLES, O. V. Green pastures and practical management best for purebred cattle. West. Livestock J. 23(59): 118, 120. Oct. 15, 1945. 6 F2278

2172 BECKER, R. B. Feeding requirements for efficient milk production. Fla. Poultryman and Stockman 11(11): 28-29. Nov. 1945. 47.8 P66

2173 BRESFORD, R. About [soft] corn and cattle. Successful Farming 43(11): 52-54. Nov. 1945. 6 Sul2

2174 BRANAMAN, G. A. Winter rations for steer calves in preparation for summer pasture. Mich. Agr. Expt. Sta. Q. B. 28(1): 49-51. Aug. 1945. 100 M58S

2175 CASSAMAGNAGHI, A. Sobre la mortandad de vacas por carencia de sales minerales. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 364, 366. Sept. 13, 20, 1945. 9.9 G15B



- 2176 CULBERTSON, C. C. Good beef from silage. Farm Sci. Rptr. 6(4): 16. Oct. 1945. 275.28 F22  
Feeding corn silage and shelled corn.
- 2177 DUCK, R. W. Corn silage for beef cattle. Rural New-Yorker 104: 502. Nov. 3, 1945. 6 R88
- 2178 DUCK, R. W. Steers in the feed lot. Rural New-Yorker 104: 541, 556. Dec. 1, 1945. 6 R88
- 2179 GLASSCO, R. T. W-H Club girl raises blue ribbon calf without milk. Agr. Leaders' Digest 26(9): 20-21. Nov. 1945. 275.28 Am3
- 2180 H., D. H. Water bowls for dairy cows. Canad. Countryman 34(23): 31. Nov. 10, 1945. 7 C833
- 2181 HIGGINS, L. A. Seven cows on a small farm; their feeding and care in winter. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 17, 85. Dec. 1945. 6 So81
- 2182 HOEKZEMA, J. P. Dairy herd may fail even if mangers are full; nutrition is fundamental to all of our living. Farmers Guide 101(22): 23. Nov. 15, 1945. 6 In2
- 2183 HOLMSTROM, S. Mineraltillskott under betesgången. Försök och Forskning 2: 102-104. July 1945. 11 F77  
Additional minerals needed for cows on pasture.
- 2184 HUFFMAN, C. F. Value of roughage in dairy cattle rations. Natl. Butter and Cheese J. 36(11): 52, 54. Nov. 1945. 286.85 B98Bu
- 2185 JARL, F., and HYDÉN, S. Orienterande utfodringsförsök med jodkasein til mjölkkor. Lantmannen 29: 785-788. Sept. 1, 1945. 11 L234  
Experiments to determine effect of iodinated casein as feed on yield and fat content of milk.
- 2186 KIVIMÄE, A. Mjölkkornas mineralämneskonsumtion på betet. Mineral consumption of dairy cows on pasture. Lantmannen 29: 739-740. Aug. 18, 1945. 11 L234
- 2187 MEANS, R. H. Winter herd management. Amer. Hereford J. 36(14): 56. Nov. 15, 1945. 43.8 Am32  
Feeding of beef cattle.
- 2188 MURPHY, J. H. Soft corn good feed when properly fed. Flour & Feed 46(6): 42. Nov. 1945. 298.8 F66  
For beef cattle and swine.
- 2189 NATIONAL RESEARCH COUNCIL. COMMITTEE ON ANIMAL NUTRITION. SUB-COMMITTEE ON BEEF CATTLE. Recommended nutrient allowances for beef cattle. Natl. Res. Council. Com. Anim. Nutr. Recom. Nutr. Allowances Dom. Anim., No. 4, 32 p. Washington, D. C., 1945. Ref. 389.7 N2122
- 2190 NELSON, H. F., and others. Vitamin A and carotene for calves. Flour & Feed 46(6): 24. Nov. 1945. 298.8 F66  
L. A. Moore, R. E. Horwood, and G. A. Branaman, joint authors.
- 2191 RADEL, L. H. Dairy feeding and production. Tasmanian J. Agr. 16: 85-90. Aug. 1, 1945. 23 T182T
- 2192 RINEHART, E. F. Feeding Idaho potatoes. Breeder's Gaz. 110(10): 34. Nov. 1945. 49 B74  
Beef cattle.
- 2193 ROBINSON, J. F. Stocking the leys. Welsh J. Agr. 18: 17-21. July 1945. 10 W46  
Cattle and sheep.
- 2194 ROE, J. More on "corn cob beef." Successful Farming 43(11): 61. Nov. 1945. 6 Sul2
- 2195 RYDÅ, K. Slösa ej med äggvitan och djurmaterialet. Lantmannen 29: 652. July 21, 1945. 11 L234  
Excess of protein in diet of calves and heifers on pasture.
- 2196 SEABER, W. M. Cattle-food concentrates. III. Carbohydrates and fibre. Fert., Feed. Stuffs and Farm Supplies J. 31: 601, 603, 608. Oct. 10, 1945. 57.8 F413
- 2197 SEATH, D. M. Minerals in the dairy ration. Prog. Farmer, Miss.-Ark.-La. Ed. 60(11): 22. Nov. 1945. 6 So81
- 2198 SHEPHERD, J. B. Dairy cows like potato-hay silage. Mich. Farmer 205: 296. Dec. 1, 1945. 6 M58
- 2199 SIMONSEN, W. E. Soybean oil meal for beef cattle. Soybean Digest 6(1): 20-21. Nov. 1945. 60.38 So9  
Also in Flour & Feed 46(6): 28. Nov. 1945. 298.8 F66
- 2200 TURK, K. L. Value of silage in the ration. Dairymen's League News 29(23): 6-7. Nov. 6, 1945. 44.8 D1432
- 2201 VAVICH, M. G., and others. Utilization and excretion of ingested ascorbic acid by the dairy cow. J. Dairy Sci. 28: 759-770. Oct. 1945. Ref. 44.8 J822  
R. A. Dutcher, N. B. Guerrant, and S. I. Bechdel, joint authors.
- 2202 YAVAPAI CATTLE GROWERS ASSOCIATION. Cowmen object to cuts in grazing permits on the national forests. Ariz. Farmer 24(21): 12, 19. Nov. 5, 1945. 6 Ar44

#### Veterinary Medicine

- 2203 ALBAUGH, R. Science helped Henry Claussen answer his hard dairy problems. West. Dairy J. 2(1): 79. Nov. 1945. 44.8 W524  
Refers mainly to disease control problems.
- 2204 ARKHANGEL'SKII, I. I. Klinicheskoe proslavleniia enzooticheskoi pnevmonii teliat v Kazakhstane [Clinical manifestations of enzootic pneumonia in calves in Kazakhstan]. Veterinarifa 22(1): 16-17. Jan. 1945. 41.8 V6426
- 2205 BAREI, D. S. La lotta contro la sterilità delle bovine in Provincia di Udine. Clin. Vet. 64: 85-98, 131-142. Mar., Apr. 1941. 41.8 C61  
Includes causal diseases.
- 2206 BENGTTSSON, H. Kampen mot nötkreaturstuberkulosen [The fight against bovine tuberculosis]. Lantmannen 29: 671-672. July 28, 1945. 11 L234
- 2207 BOEHM, J. A., JR. Treatment for mastitis. West. Dairy J. 2(1): 30-31. Nov. 1945. 44.8 W524  
With special reference to the use of sulfanilamide.
- 2208 BOLOÑA R., J. Fractura de la tibia en una vaca pura sangre Holstein. Sementera (ser. 2), No. 2, p. 30-32. May 1945. 9.5 Se5  
Includes treatment.
- 2209 BOVA, F. Sulla diffusione della brucellosi fra i bovini del macello di Messina. Clin. Vet. 64: 292-298. Aug. 1941. Ref. 41.8 C61
- 2210 BRADT, C. G. Abortion comes out in the open. Hoard's Dairyman 90: 702. Nov. 25, 1945. 44.8 H65  
Control of brucellosis in dairy cattle.
- 2211 BRATT, H. M. Penicillin in the treatment of bovine mastitis. Hoard's Dairyman 90: 667. Nov. 25, 1945. 44.8 H65
- 2212 CÁCERES Y MARTÍNEZ, A. R. Curso de ganado vacuno; principales enfermedades del ganado. IX-X. Fomento [monthly] 2(21): 13-16, 23; (22): 13-16, 25-26. July-Aug. 1945. 8 F734  
Concludes parturition and discusses other diseases.
- 2213 CÁCERAS Y MARTÍNEZ, A. R. Piroplasmosis y anaplasmosis. Fomento [monthly] 2(21): 3-4. July 1945. 8 F734  
In cattle.
- 2214 CAREY, G. Note on the use of chamomile for contagious white scours. Bio-Dynamics 4(1): 34-35. Autumn 1945. 56.8 B52
- 2215 CHAMBERS, E. E. Many cases of bovine anaplasmosis are man-made. South. Stockman 5(11): 80. Nov. 1945. 49 So83
- 2216 COTE, F. J. Mastitis in dairy cattle - easier to prevent than control. Farmer's Mag. 42 (11): 54-55, 59. Nov. 1945. 7 C165
- 2217 CROUSE, J. W. Bovine tuberculosis and its control in New Jersey. Moos 6(4): 9. (Cont.) Nov. 1945. 44.8 M78

- 2218 DABNEY, T. E. Red hair of Hereford cattle in region surrounding site of atomic bomb test in New Mexico turns white. N. Mex. Stockman 10(11): 41. Nov. 1945. 49 N462
- 2219 DAY, F. T., and HAMMOND, J., JR. Lactation in heifers induced by oestrogen implants. J. Agr. Sci. [London] 35: 150-157. July 1945. 10 J822
- 2220 DICKINSON, C. L. Dead calves cost money. Amer. Agr. 142: 459, 473. Nov. 3, 1945. 6 Am3  
Brucellosis calfhood vaccination programs.
- 2221 DUKALOV, I. A. Profilaktika infektsionnoi zheltukhi rogatogo skota [Prophylaxis of infectious jaundice in horned cattle]. Veterinariia 21 (4): 26-28. Apr. 1944. 41.8 V6426
- 2222 FINCHER, M. G. Developments in the control of mastitis. (Abs.) Amer. Milk Rev. 7: 426-427. Nov. 1945. 44.8 Am38
- 2223 GALLINA, L. Di particolari forme di vagino-endometriti a carattere discendente nella femmina bovina. Clin. Vet. 64: 205-221. June 1941. 41.8 C61
- 2224 GORRIE, C. J. R. How foreign body penetration causes losses in cattle. Stock and Land 35(37): 3. Sept. 12, 1945. 49 St63
- 2225 GORRIE, C. J. R. Protection of bulls and the use of strain 19 vaccine. Stock and Land 35(39): 3. Sept. 26, 1945. 49 St63
- 2226 GORRIE, C. J. R. Successful control of abortion with strain 19 vaccine. Stock and Land 35(35): 3. Aug. 29, 1945. 49 St63  
For brucellosis in cattle.
- 2227 GOW, R. M. Vaccinating for Bang's disease. Amer. Cattle Prod. 27(6): 8. Nov. 1945. 49 P94
- 2228 GUARD, W. F. Guard's teat tumor instrument; indications and technic. Jen-Sal J. 28(6): 24. Nov./Dec. 1945. 41.8 J45
- 2229 GUÉRIN, C., NÈGRE, L., and BRÉTEY, J. Vaccination antituberculeuse des jeunes bovidés par le BCG au moyen de scarifications cutanées. Acad. Vét. de France. B. 14: 41-44. Mar./Apr. 1941. 41.9 R24  
Discussion by Lesbouyries, p. 44-45.
- 2230 HASTINGS, E. G. Program for eradication of Bang's disease. Hoard's Dairyman 90: 646-647, 653. Nov. 10, 1945. 44.8 H65  
Mainly as related to cattle.
- 2231 HASTINGS, E. G. Program of eradication of bovine TB. Hoard's Dairyman 90: 598, 605. Oct. 25, 1945. 44.8 H65
- 2232 HOOSE - a serious cattle disease. North. Ireland. Min. Agr. Monthly Rpt. 20: 142-143. Sept. 1945. 256.13 Ag82M
- 2233 JOHNSON, K. L. Infectious pododermatitis in dairy cattle. North Amer. Vet. 26: 665-667. Nov. 1945. 41.8 N812  
Foot rot.
- 2234 JONSSON, E. Kontroll av besättningsarnas sexuella hälsotillstånd. Lantmannen 29: 745. Aug. 18, 1945. 11 L234  
Control of ovarian cysts of dairy cattle.
- 2235 JORPES, E., and THANING, T. Studies on the A-antigenic polysaccharide from the abomasus of cattle. J. Immunol. 51: 215-219. Oct. 1945. 44.8 J8232
- 2236 KHAN, I. U. Persistent milking in a virgin cow. Indian Farming 6: 319-321. July 1945. 22 In283
- 2237 KOFFMAN, M. Om trumsjuka. Lantmannen 29: 875. Sept. 29, 1945. 11 L234  
Bloat in cattle.
- 2238 KOHLI, M. L. Quackery in cattle treatment. Indian Farming 6: 122-123. Mar. 1945. 22 In283
- 2239 KOZIN, T. P. Lechenie infektsionnogo vaginita krupnogo rogatogo skota [Treatment of infectious vaginitis in large horned cattle]. Veterinariia 22(1): 44. Jan. 1945. 41.8 V6426
- 2240 MCINTYRE, E. R. More about calf udder as milk forecast. Hoard's Dairyman 90: 589. Oct. 25, 1945. 44.8 H65  
By examination of the mammary gland.
- 2241 MANGIAROTTI, A. L'adrenalina nel collasso puerperale e nelle nefriti. Clin. Vet. 64: 464-465. Dec. 1941. 41.8 C61  
Milk fever in cattle and nephritis in horses.
- 2242 MANGIAROTTI, A. Osservazioni sulla polmonite settica. Clin. Vet. 64: 55-57. Feb. 1941. 41.8 C61  
In cattle.
- 2243 MARCUSSON, E. Tuberkuloskampen i Östergötlands län [The fight against bovine tuberculosis in Östergötland Province]. Lantmannen 29: 675-676. July 28, 1945. 11 L234
- 2244 MARSHALL, D. Milk fever, staggers, and allied complaints. New Zeal. J. Agr. 71: 143-145. Aug. 15, 1945. 23 N48J  
Includes acetoneuria.
- 2245 NANOASHVILI, V. I. K lechenifu paratifa teliat [On the treatment of paratyphoid in calves]. Veterinariia 22(1): 43. Jan. 1945. 41.8 V6426
- 2246 NEDASHKOVSKIĬ, A. S. Radikal'noe sredstvo protiv paratifa teliat [New remedy against paratyphoid in calves]. Veterinariia 22(1): 43. Jan. 1945. 41.8 V6426  
Gertner's bacteriophage.
- 2247 PATERSON, A. B. The diagnostic value of Rothera's test on milk. Vet. J. 101: 199-204. Sept. 1945. 41.8 V643
- 2248 PETERSEN, W. E. The cow's udder. Hoard's Dairyman 90: 619, 626-627, 633, 672. Nov. 10, 25, 1945. 44.8 H65  
Its function and care as related to proper milking and the prevention of mastitis.
- 2249 POUYSEUR, H. B. La aftosa desde el punto de vista epidemiológico y de la industria lechera. Inst. Agr. Argentino. Comun. 6(13): 17-36. 1945. 281.9 B862C
- 2250 RAINEY, J. W. The relationship of bovine to human tuberculosis. Vet. J. 101: 195-198. Sept. 1945. 41.8 V643
- 2251 ROMAN, G. Premunición bovina; contribución al estudio de las enfermedades por hematozoarios en los animales domesticos. Rev. de Med. Vet. [Bogotá] 14(88): 1-32. Jan./June 1945. Ref. 41.8 R3214  
Piroplasmosis and anaplasmosis.
- 2252 ROZET, E. L. O diagnosticheskoĭ tsennosti bakteriologicheskogo issledovaniia krvi pri paratife u teliat [Concerning the diagnostic value of bacteriological investigation of the blood in paratyphoid of calves]. Veterinariia 22(1): 22. Jan. 1945. 41.8 V6426
- 2253 RUTHERFORD, R. R. Dehorning practice. New Zeal. Farmer Weekly 66(15): 13. Sept. 20, 1945. 23 N484
- 2254 SANDERSON, C. J. Contagious abortion difficult to diagnose and control; some means of infection. Land [Sydney], No. 1765, p. 11. Sept. 21, 1945. 23 L22  
In cattle.
- 2255 SIMONATTI, E. Collasso puerperale, paraplegie ante e post-partum. (Sono insufficienze surrenali e post-ipofisarie come l'osservazione, la critica, e la terapia calcio-ormonale porta a considerare?) Clin. Vet. 64: 357-373. Oct. 1941. 41.8 C61  
In cattle.
- 2256 SOLDATI, D. Un metodo efficace per la cura delle piroplasmosi dei bovini (pisciasangue). Clin. Vet. 64: 99-101. Mar. 1941. 41.8 C61
- 2257 SPRIGGS, D. N. Some experiences of a sterility officer. Vet. Rec. 57: 469-472. Oct. 20, 1945. 41.8 V641  
Causal diseases in cattle.
- 2258 SWETT, W. W. Milk cows in miniature. Breeder's Gaz. 110(10): 12-13, 30, 37. Nov. 1945. 49 B74  
Mammary gland development in calves.



- 2259 TEAGUE, C. E. Cows need rest period. This Month in Rural Ala., Nov. 1945, p. 4. 6 T34
- 2260 TSEILISHCHEV, A. A. Vospriimchivost' k teileriozu krupnogo ragatogo skota [Susceptibility to theileriasis of large horned cattle]. Veterinariia 21(4): 25-26. Apr. 1944. 41.8 V6426
- 2261 VELASQUEZ Q., J. Enfermedades de los terneros. Vida Rural 6(61): 17-18. Aug. 1944. 9.4 V66
- 2262 VIANELLO, G. La vaccinazione antiaftosa col vaccino all'anisola (vaccino italiano). 500.000 vaccinazioni eseguite nei bovini. Clin. Vet. 64: 165-182. May 1941. 41.8 C61
- Summaries in Italian and German.
- 2263 VINATTIERI, E., HAYWARD, A. H. S., and ARTIOLI, D. Retention of placenta in the buffalo, with associated sequelae. Vet. Rec. 57: 509-511. Nov. 17, 1945. 41.8 V641

#### Miscellaneous

- 2264 ALBAUGH, R. Cow science; an important factor in cowman's future. West. Livestock J. 23(59): 60, 62-63. Oct. 15, 1945. 6 F2278
- 2265 ALBAUGH, R. Science -- intelligence -- work -- success. Hoard's Dairyman 90: 620, 656. Nov. 10, 1945. 44.8 H65
- Description of a dairy farm.
- 2266 BARRIOLA, J. P. (HIJO), and ARTURO, C. Registros del contralor lechero. Uruguay. Dir. de Agron. [Cartilla], 79, 55 p. Montevideo, 1945. 9.9 Ur84
- 2267 BASTERRECHEA, L. DE. Cómo se calcula el peso de las reses? Rev. Pecuaria, No. 81/82, p. 12. June/July 1945. 49 R326
- 2268 BECKER, R. B. More milk from contented cows; extra attention keeps milk production high. Fla. Grower 53(11): 25. Nov. 1945. 80 F6622
- 2269 BEEKMAN, C. Fast milking team takes first place in annual Indiana 4-H Club State Round Up. De Laval Monthly 39(5): 12. Sept./Oct. 1945. 44.8 D37
- 2270 BLIZZARD, W. L., STEPHENS, D., and BURLEY, R. H. The importance of trimming feet. Aberdeen-Angus J. 27(4): 32. Nov. 1945. 43.8 Ab3
- 2271 BRIGHT, R. L. Dairy farmers are alert. Agr. Ed. Mag. 18: 93. Nov. 1945. 275.8 Ag3
- Concerning a course of study.
- 2272 BROWNELL, S. J., and others. Some changes that may influence the dairy production business of the future. J. Dairy Sci. 28: 727-736. Oct. 1945. 44.8 J822
- C. Y. Cannon, W. E. Krauss, H. W. Norton, Jr., C. W. Turner, E. Weaver, and O. E. Reed, joint authors.
- Discussing various aspects of dairy cattle raising apt to be improved or changed in the postwar period.
- 2273 CARON, R. Troupeaux laitiers sur les stations de démonstration. Terre de Chez Nous 18(5): 8, 20. Oct. 31, 1945. 7 T27
- Canada.
- 2274 CLIFFE, J. H. Why die on the horns of your bull? Hoard's Dairyman 90: 667, 697. Nov. 25, 1945. 44.8 H65
- Care of dairy bulls to prevent injuries.
- 2275 COBB, G. R. Hilding Hord - dairyman. Better Crops with Plant Food 29(8): 15-16, 45. Oct. 1945. 6 B46
- Description of a dairy farm.
- 2276 COSLINE, H. L. Cows, chickens and cabbage. Amer. Agr. 142: 488. Nov. 17, 1945. 6 Am3
- Description of a diversified dairy farm.
- 2277 COUPER, G. P. The remarkable Giacomini. West. Dairy J. 2(1): 11, 34-37. Nov. 1945. 44.8 W524
- F. F. A. dairy cattle projects.
- 2278 COWAN, J. H. The dairy cow's high place on the farm [in the Rio Grande Valley]. Tex. Farming and Citric. 22(4): 6. Oct. 1945. 80 T31
- 2279 CRISSEY, A. N. The best 4-H story I've ever heard. N. J. Farm and Gard. 16(11): 13, 24. Nov. 1945. 6 G162
- A dairy cattle project.
- 2280 DALGALARRANDO A., J. El control de la leche. Simente 14(3/4): 40-42. 3rd-4th quarter, 1944. 9.3 S14
- Keeping of production records by dairy farmers.
- 2281 DAY, G. E. Obstacles in the way; the folly of making a fetish of family names derived from distant female ancestors. Shorthorn World 30(4, 1. e. 14): 3-4, 19-22. Oct. 10, 1945. 43.8 Sh8
- 2282 DOMINGUES, O. Gado leiteiro sertanejo. Observador Econ. e Financ. 10(115): 81-86. Aug. 1945. 280.8 Ob72
- Includes the feed production needed in Brazil.
- 2283 ESPOUY, F. Le troupeau luchonnais. Fed. Pyrén. d'Icon. Montagn. Ann. (1940/41) 9: 174-180. 1942. 280.9 F312
- Dairy cattle and sheep.
- 2284 GAY, C. W. Pedigree registration. Shorthorn World 30(4, 1. e. 14): 15, 36-38. Oct. 10, 1945. 43.8 Sh8
- 2285 GIORELLO, R. Concurso de vacas lecheras y de ordeñadores. Argentina. Min. de Agr. Almanaque (1945) 20: 289-291. 9 Ag874
- 2286 H., D. H. For maximum [milk] production. Canad. Countryman 34(23): 31. Nov. 10, 1945. 7 C833
- 2287 HELLBUSCH, C. E. Sopori [beef cattle] ranch. Ariz. Farmer 24(20): 1, 26-27. Oct. 20, 1945. 6 Ar44
- 2288 HENDRIX, J. M. Three score and ten. VIII. Cattleman 32(6): 32, 34, 36, 38, 93-94. Nov. 1945. 49 C29
- History of the Texas and Southwestern Cattle Raisers' Association.
- 2289 HOPSON, G. H. Better milking at Larro Research Farm. De Laval Monthly 39(5): 5, 13. Sept./Oct. 1945. 44.8 D37
- Care of dairy cattle.
- 2290 HUTCHINSON, J. 140 bull calves in 18 months; big future for Isle of Wight [dairy] cattle improvement scheme. Farmers Weekly [London] 23(18): 32. Nov. 2, 1945. 10 F2226
- 2291 LACHAPELLE, J. Le soin du troupeau à l'étable. Terre de Chez Nous 18(7): 8-9. Nov. 14, 1945. 7 T27
- Dairy cattle.
- 2292 LASSETTER, W. C. Billeaud was very particular about cows [on his farm]. Prog. Farmer. Miss.-Ark.-La. Ed. 60(11): 5, 77. Nov. 1945. 6 So81
- 2293 LEFFERT, H. "Elbow grease" builds a dairy [farm]. West. Dairy J. 2(1): 52-53. Nov. 1945. 44.8 W542
- 2294 MOORE, F. E. Real dividends in proper development of young [beef] stock. Amer. Hereford J. 36(13): 156. Nov. 1, 1945. 43.8 Am32
- 2295 MORRISON, S. R. There is much in the art of showing cattle. Plantation Stockman 3(1): 7, 19. Sept. 1945. 49 P69
- 2296 NOBLE, G. L. 4-H dairy [cattle] activities. Bow'an Arrow, Prod. Ed. 1(4): 1-2. Aug. 1945. 44.8 B672
- 2297 PERERA, H. E. A. Selection of the dairy cow by conformation. Trop. Agr. [Ceylon] 100: 240-242. Oct./Dec. 1944. 26 T751
- 2298 POZO, C. DEL. Productos del ganado vacuno el trabajo. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 277-284. Madrid, 1945. 15 Spl2C
- 2299 PRECAUTIONS against bruising of [beef] cattle. By Currawong. Past. Rev. 55: 680-681. Sept. 15, 1945. 23 Au75
- 2300 PRYSE-HOWELL, J. A note on wastage, replacement and depreciation in some dairy herds in Wales. (1936-7 to 1943-4.) Welsh J. Agr. 18: 125-130. July 1945. 10 W46

2301 RAGHAVACHARI, K. V. Anamalai Hill Cattle Society. Indian Farming 6: 424-426. Sept. 1945. 22 In283

2302 RIORDAN, M. The future of beef in Alaska. Amer. Cattle Prod. 27(6): 14-15, 28. (Concl.) Nov. 1945. 49 P94

2303 RIZVI, S. W. H. Preparation of cattle for show. Indian Farming 6: 114-116. Mar. 1945. 22 In283

2304 SCHWIDENHELM, E. C. Does it pay to belong to the D. H. I. A.? N. J. Farm and Gard. 16(11): 12, 49. Nov. 1945. 6 G162

Dairy herd improvement associations.

2305 SCOTT, J. M. Cattlemen get marking law; clarified cattle ownership to check rustling. Fla. Grower 53(11): 20, 24. Nov. 1945. 80 F6822

2306 SEATH, D. M. Cow testing speeds herd improvement. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 23. Dec. 1945. 6 So81  
Production testing.

2307 SHAW, A. O. Cow sense. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 81, 84. Dec. 1945. 6 So81

Milking procedure and effect on milk production.

2308 SMITH, V. R. Newer knowledge of milking. Amer. Dairy Cattle Club. Herd Builder 5(10): 8-9. Oct. 25, 1945. 43.9 Am323H

2309 WESTERN LIVE STOCK. The breeders' map for 1945 [and] the breeders' directory for western United States. West. Live Stock, v. 31, No. 4, folded sheet insert. Nov. 1945. 49 W523

Covers Hereford, Polled Hereford, and Aberdeen-Angus cattle; and western stock horses.

2310 WHERE N. Mexico [beef cattle] breeders live. West. Farm Life 47(18): 26-27. Nov. 1, 1945. 6 R153

Directory with map showing locations.

2311 WINELAND, M. Creating 4-H Club interest. Shorthorn World 30(4, 1. e. 14): 34. Oct. 10, 1945. 43.8 Sh8

2312 WUILL, W. J. Advanced Register of Merit for pure-bred cows. Victoria. Dept. Agr. J. 43: 389-392. Sept. 1945. 23 V66J

2313 YUILL, W. J. Standard Herd Test Report, 1944-45. Victoria. Dept. Agr. J. 43: 375-380, 403-407. Sept. 1945. 23 V66J  
Dairy cattle.

#### DOGS AND CATS

##### Breeds and Breeding

2314 THE BREEDS in brief. No. 44. Bloodhound. Amer. Kennel Gaz. 62(11): 25-26, 194-195, 202. Nov. 1945. Ref. (Beltsville Branch Libr.)

2315 COUGH, V. M. Spaniel valuable as field dog & companion. All-Pets Mag. 16(18): 29. Nov. 1945. 48.8 AL5

2316 POSTER, J. C., JR. Science vs. art in breeding. Amer. Field 114: 515-517. Dec. 1, 1945. 410 Am3

Principally about dogs.

2317 INTERNATIONAL foxhunters' stud book, from 19860 to 22549, v. 11, 292 p. Lexington, Ky., 1945. 48.9 In8

S. L. Wooldridge, keeper of records, Versailles, Ky.

2318 SANTOS, E. O Colie. Fauna [São Paulo] 4(8): 26-27. Aug. 1945. 410 F272

2319 SIBIEY, C. L. The Maltese cat. All-Pets Mag. 16(18): 32. Nov. 1945. 48.8 AL5

2320 SMITH, A. C. French Bulldogs. Field 186: 253. Sept. 8, 1945. 10 F45

2321 SMITH, A. C. From the rough. Field 186: 281. Sept. 15, 1945. 10 F45  
Description of early Terriers.

2322 THIS is it, Joel! By Kennel Helper. Amer. Kennel Gaz. 62(11): 12-15, 184-185. Nov. 1945. (Beltsville Branch Libr.)  
On breeds and breeding.

2323 WILLIAMS, A. C. The modern Beagle. Field 186: 245. Sept. 8, 1945. 10 F45

##### Veterinary Medicine

2324 ANTHONY, C. H. Canine blastomycosis - a case report. Jen-Sal J. 28(6): 22. Nov./Dec. 1945. 41.8 J45

2325 CAMUS, E. Un cas de réticulo-endothéliome chez le chien. Acad. Vét. de France. B. 14: 48-52. Mar./Apr. 1941. 41.9 R24

2326 CROWE, C. E. Tapeworms are troublesome and dangerous. Amer. Field 114: 526. Dec. 1, 1945. 410 Am3

In dogs.

2327 GILBERT, O. E. Sulfa drugs. All-Pets Mag. 16(18): 33-34. Nov. 1945. 48.8 AL5  
Sulfanilamide for cats.

2328 HUTCHINGS, R. C. Difficult fracture reduction in a cat, with the aid of the Stader splint. North Amer. Vet. 26: 672-673. Nov. 1945. 41.8 N812

2329 ILLINOIS STATE VETERINARY MEDICAL ASSOCIATION. SPECIAL COMMITTEE ON CANINE FILARIASIS. Report. North Amer. Vet. 26: 674-676. Nov. 1945. 41.8 N812

2330 ISOLATO, A. La cura sulfamidica nelle affezioni bronco polmonari dei cani. Clin. Vet. 64: 51-54. Feb. 1941. 41.8 C61

2331 LEUENBERGER, M. Experimenteller beitrage zur klinik, pathologischen anatomie und histologie der metavergiftung beim hund. Schweiz. Arch. f. Tierheilk. 87: 357-373. Sept. 1945. Ref. 41.8 Sch9

Poisoning, especially children and dogs, from Meta fuel tablets containing metaldehyde.

2332 LOTTI, L. Studio dell'azione patogena del virus aftoso nel gatto. Clin. Vet. 64: 427-439. Dec. 1941. 41.8 C61

2333 MOISEEV, E. A. Ob izmenenifakh pecheni u sobak posle smazyvaniya kozhi kamennougol'noi smoloi (Changes in the dog's liver after the coal tar pitch treatment of their skin). Akad. Nauk S. S. S. R. Izv. Ser. Biol., No. 4, p. 244-251. 1944. 511 Sa2B.  
English summary.

2334 REED, C. A. Double hernia of the diaphragm accompanied by hyperplasia of the biliary system and erosion of the thoracic body wall in the domestic cat. J. Mammal. 26: 275-284. Aug. 1945. Ref. 410 J823

2335 RICHOU, R., and HOLSTEIN, G. Sur un cas de tétanos généralisé du chien traité avec succès par séro-anatoxithérapie spécifique. Acad. Vét. de France. B. 14: 22-24. Jan./Feb. 1941. 41.9 R24  
Discussion by Cocu, p. 24.

2336 UNDERWOOD, P. C. Some chemotherapeutic tests in canine filariasis (Dirofilaria immitis). Helminthol. Soc. Wash. Proc. 12(1): 4-6. Jan. 1945. 436.9 H36

2337 VARELA, G., and MARIOTTE, C. O. Investigación de tularemia en perros y conejos. Mex. Inst. de Salubridad y Enferm. Trop. Rev. 6: 113-115. June 1945. 449.9 M572  
English summary.

##### Miscellaneous

2338 AMERICAN HUMANE EDUCATION SOCIETY. Suggestions on care of the dog. All-Pets Mag. 16(18): 27-29. Nov. 1945. 48.8 AL5

2339 BATCHELLER, S. G. Max -- paratrooper; the story of a dog that won his wings. Amer. Kennel Gaz. 62(11): 20-21, 181-182. Nov. 1945. (Beltsville Branch Libr.)

2340 DECAROLI, A. Il cane nuovo. Venatoria-Diana 35: 407-408. July 15, 1940. 410 V55  
Training the sporting dog.

2341 EMERY, H. L. War dogs. Cavalry J. 54 (6): 52-53. Nov./Dec. 1945. 42.9 Un3



2342 FONSECA, P. DA, and CABRAL, A. Pelagens dos cães. Rev. de Med. Vet. [Lisboa] 40: 187-191. Apr./June 1945. 41.8 R3215  
Identification by coat color.

2343 GRAVES, C. E. One dog - and the war. Field 186: 244. Sept. 8, 1945. 10 F45  
Training of sporting dogs.

2344 PLANTAIN, J. K. The show ring is the showdown. Amer. Kennel Gaz. 62(11): 18-19, 185-187. Nov. 1945. (Beltsville Branch Libr.)

2345 SEWARD, W. R. Training the sheep dog. Gt. Brit. Min. Agr. Agriculture 52: 311-315. Oct. 1945. 10 G79J

2346 SIXTENSSON, S. Bruksprov me vallhundar vid Olivehult. Lantmannen 29: 742. Aug. 18, 1945. 11 L234

Testing dogs for use as sheep dogs.

2347 WHITE, G. T. My dawg kin lick your dawg. That's no credit to master or mutt. Amer. Kennel Gaz. 62(11): 16-17, 188. Nov. 1945. (Beltsville Branch Libr.)

On vices.

## HORSES AND MULES

### Breeds and Breeding

2348 BRITTON, J. W., and HOWELL, C. E. Observations on sterility. Thoroughbred of Calif. 4(18): 38-39. (Concl.) Oct. 1945. 42.8 T393

2349 CASEMENT, D. D. Aims, purposes of American Quarter Horse Ass'n told. West. Live Stock 31 (4): 37, 40. Nov. 1945. 49 W523

Also in Tex. Livestock J. 4(11): 11. Nov. 15, 1945 (49 T29); Cattleman 32(6): 48. Nov. 1945. 49 C29

2350 DOWDALL, R. C. Conformación de la raza criolla; los antecedentes etnograficos y el medio ambiente. Soc. Rural Argentina. An. 79: 607-614, 617-623, 625-641, 643-647. Aug. 1945. 9 Sol

In South America.

2351 FORRARD, H. Will German horses be used to pay part of bill for reparations? Cavalry J. 54(6): 54-55. Nov./Dec. 1945. 42.9 Un3

Various breeds of horses in central Europe.

2352 GLENDENNING, G. M. Official stud book and registry of the Pinto Horse Society, 1944. Pinto Horse Soc. Off. Stud Book and Registry, v. 3, No. 1, 88 p. Concord, Calif., 1945. 42.9 P65

Includes The Pinto - a primeval horse, by C. R. Raswan, p. 10-11; and The ability of a Pinto to impress, by H. O. Bowman, p. 26-28.

2353 HARTUNG, A. M. The Tennessee Walking Horse. (A pleasure and utility horse.) Horse Lover 10(3): 10. Oct./Nov. 1945. 42.8 H7852

2354 KING, F. M. The Quarter Horse. West. Livestock J. 23(59): 146-147. Oct. 15, 1945. 6 F2278

2355 RASWAN, C. R. Arabs in America. Horse Lover 10(3): 7-8. (Cont.) Oct./Nov. 1945. 42.8 H7852

2356 WARDEN, M. L. Saga of the Tennessee Walking Horse. Natl. Horseman 81(11): 14-19. Nov. 1945. 42.8 N21

### Feeds and Feeding

2357 MONTEIL, L. Sarments de vigne feuillés -- et écuries coopératives. Prog. Agr. et Vitic. 114: 233-235. Oct. 20, 1940. 14 P94

Silage from grapevine shoots as feed for horses, combined with cooperative stables.

2358 SHEEHY, E. J. The animal on the farm. No. 32. Horse feeding-(Concl.); pig production. Agr. Ireland 3: 125-127. Nov. 1945. 10.5 Ag8

2359 SOME hints on feeding the working horse. By Our Veterinarian. Land [Sydney], No. 1765, p. 11. Sept. 21, 1945. 23 L22

## Veterinary Medicine

2360 ALBORNOZ, J. E. Primer caso de sporotricosis equina comprobada en el país. Rev. de Med. Vet. [Bogotá] 14(88): 33-42. Jan./June 1945. 41.8 R3214

2361 ANTIPIN, D. N. Paraskaridoz loshadei i bor'ba s nim [Parascaris in horses and its control]. Veterinariia 22(1): 27-29. Jan. 1945. 41.8 V6426

2362 BOLLIGER, A. Zur therapie der infektiösen anämie der pferde. Schweiz. Arch. f. Tierheilk. 87: 291-310. Aug. 1945. 41.8 Sch9

2363 CONN, G. H. Veterinary formulas for use with horses. Horse Lover 10(3): 14-15. Oct./Nov. 1945. 42.8 H7852

2364 DEMICHELIS, L. A. Apreciación correcta del caballo; regiones comunes de las extremidades (manos y patas). Rev. Mens. B. A. P. 28(334): 77-79, 81, 83, 85. Sept. 1945. 9 R326

Further discussion of the subject as treated in previous article; see item 22558 in volume 7.

2365 DEMNITZ, A. La poliartrite dei puledri. Clin. Vet. 64: 351-354. Oct. 1941. 41.8 C61

2366 ELIIS, J. H., and COOPER, C. T. Suspected grass sickness in Northants. Vet. Rec. 57: 474. Oct. 20, 1945. 41.8 V641

Description of two cases in horses.

2367 GLOVER, G. H. Selenium revealed as the cause of various troubles [in horses]. West. Farm Life 47(17): 12. Oct. 15, 1945. 6 R153

2368 IAKOVLEV, ---, KOMAROV, ---, and TARKHOVA, ---. Formalin pri piroplazmoze loshadei [Formalin in piroplasmiasis of horses]. Veterinariia 21(4): 40-41. Apr. 1944. 41.8 V6426

2369 JURADO, F. R. El aborto infeccioso en el ganado equino. Argentina. Min. de Agr. Almanaque (1945) 20: 379-381. 9 Ag874

2370 LAFORTUNE, J. G. Les coliques. Forêt Québécoise 10: 210. Oct. 1945. 99.8 F79

In horses.

2371 LIPOVSKIY, S. M. Termicheskaia reaktsiia organizma loshadei na vnutrivennoe vvedenie gipertonicheskogo rastvora khloristogo natriia [Thermic reaction of the horse's organism to the intravenous introduction of hypertonic sodium chloride solution]. Veterinariia 21(4): 37-38. Apr. 1944. 41.8 V6426

2372 O'CONNOR, J. J. Lameness in horses. Vet. J. 101: 204-209. Sept. 1945. 41.8 V643

2373 ROSSI, P. La vaccination du cheval contre l'encéphalo-myéélite infectieuse par l'emploi de "chick embryo vaccine"; les réactions. Soc. de Path. Exot. B. 34: 201-204. Oct. 8/Dec. 10, 1941. 448.9 Sol3

2374 SHUJA, J. Sudden death of a mare from rupture of the heart. Vet. Rec. 57: 465. Oct. 13, 1945. 41.8 V641

2375 VARESINI RUSO, J. El mal de caderas en el Paraguay; trypanosis. Paraguay. Min. de Agr. Rev., No. 11, p. 26-29. July 1945. 9.7 Ag8Re

## Miscellaneous

2376 ÅKERBLÖM, E. Några synpunkter på hovslagareyrkets organisation i vårt land. Lantmannen 29: 910-913. Oct. 13, 1945. 11 L234

Care and shoeing of horses feet, including discussion of the blacksmith trade of Sweden.

2377 FRENCH, W. M. The rope horse. Horse Lover 10(3): 3-4, 12-13. Oct./Nov. 1945. 42.8 H7852

Training.

2378 GOMEZ, A. V. Reining the Thoroughbred. Thoroughbred of Calif. 4(19): 15, 56. Nov. 1945. 42.8 T393

2379 GROTH, A. H. Tune up your work stock, too. Prog. Farmer, Car.-Va. Ed. 60(12): 38. Dec. 1945. 6 P945

Care of horses and mules.

2380 L., R. Le cheval en Mauritanie. Intransigent Maroc. 16(226): 3. Sept. 14, 1945. 280.8 In89

2381 PROULX, J. R. Le cheval durant les labours. Terre de Chez Nous 18(5): 14. Oct. 31, 1945. 7 T27

2382 SALERNO, A. Le dimensioni somatiche dei cavalli abissini delle regioni degli Arussi e del Baile in vari stadi di sviluppo studiati col metodo biometrico. R. Ist. Agron. per l'Africa Ital. Relaz. e Monog. Agr.-Colon., No. 62, 93 p. Firenze, 1940. 16 Is7

2383 SCHNEIDER, R. Hufeisen für pathologische hufveränderungen und fehlerhafte stellungen der gliedmassen, alle aus dem ordonnanzeisen modell 1916 hergerichtet. Schweiz. Arch. f. Tierheilk. 87: 312-315. Aug. 1945. 41.8 Sch9

2384 SCHNEIDER, R. Über die entwicklung der ordonnanzhufeisen, nâgel und stollen der Schweiz. Armee. Schweiz. Arch. f. Tierheilk. 87: 310-311. Aug. 1945. 41.8 Sch9

2385 STANTON, R. C. Eastern dairy reviews experience with horses. Dairy World [Chicago] 24(5): 28-29. Oct. 1945. 44.8 D1423

#### POULTRY

##### Breeds and Breeding

2386 BARLEY, H. D. Choice of a sire. Poultry World 77: 181. Oct. 19, 1945. 47.8 P8682

2387 BARTLING, C. A. Variety is the pride of the pigeon family. All-Pets Mag. 16(18): 49. Nov. 1945. 48.8 AL5

2388 BASTERRECHEA, L. DE. Algo sobre gallos de pelea. Rev. Pecuaria, No. 83, p. 7-10. Aug. 1945. 49 R828

2389 BLACKWELL, H. L. Poultrymen can't afford "fashion" fancies. Mod. Poultry Keeping 53: 154-155. Aug. 29, 1945. 47.8 Eg3

Breeding for stock improvement.

2390 BLACKWELL, H. L. Present policy will endanger stock improvement in Great Britain. Mod. Poultry Keeping 53: 298-299. Oct. 24, 1945. 47.8 Eg3

Author's name appears as W. L. Blackwell.

2391 BOBBY, F. C. Pullets as breeding stock. Red Comb B. 179, p. 3-4, 12. Aug. 1945. 47.8 R24

2392 BOSSINGHAM, F. L. Barred [Plymouth] Rocks; conditioning and showing this popular breed; no substitute for good breeding. Poultry Press 31(25): 4. Oct. 18, 1945. 47.8 P8643

2393 BOWER, J. J. Origin of the Cornish. Southeast. Cornish News 5(10): 6-7. Oct. 1945. 47.8 So87

2394 CAMPBELL, H. L. Norwich Croppers and Pigmy Pouters. Amer. Pigeon J. 34(7/8): 106-108. July/Aug. 1945. (Beltsville Branch Libr.)

2395 CANFIELD, T. H. Laying streak by inbred hen spotlights poultry breeding work. Minn. Farm and Home Sci. [Minn. Sta.] 3(1): 14. Oct. 15, 1945. 100 M668

2396 CARIDROIT, F., and RÉGNIER, V. L'analyse génétique de la poule domestique. Rev. Sci. [Paris] 79: 223-245. Apr. 1941. Ref. 473 R32

2397 CAUFIELD, H. W. New breed of turkey. Farmer's Mag. 42(11): 60. Nov. 1945. 7 C165

Combined characteristics of turkey and duck, known as Muskovee, the male, and Muskoluck, the female.

2398 COLLINSON, H. Pick of the bunch. Farmers Weekly [London] 23(17): 36. Oct. 26, 1945. 10 F2226

Breeding poultry.

2399 FISHER, W. First steps in mating Minorcas. Poultry [London] 97: 314. Nov. 13, 1945. 47.8 P869

2400 FLANAGAN, J. The Rhode Island Red fowl. Tasmanian Farmer 8(12): 8. Sept. 1945. 23 T186

2401 GRANGE, C. If I were starting with ducks these are the breeds I would choose. Smallholder 74(1856): 13. Oct. 12, 1945. 10 Sml

2402 GRANGE, C. The kind of cockerel to keep for breeding. Smallholder 74(1858): 12. Oct. 26, 1945. 10 Sml

2403 GUHL, A. M., COLLIAS, N. E., and ALLEE, W. C. Mating behavior and the social hierarchy in small flocks of White Leghorns. Physiol. Zool. 18: 365-390. Oct. 1945. Ref. 410 P56

2404 H., F. H. Matilda the Muscovy [duck]. Rural New-Yorker 104: 508. Nov. 3, 1945. 6 R88

For home raising.

2405 HASHMI, Z. A. Organized duck breeding in India. Indian Farming 6: 306-308. July 1945. 22 In283

2406 HIGH, J. N. Description and standard of the Ice pigeon. Amer. Pigeon J. 34(7/8): 99. July/Aug. 1945. (Beltsville Branch Libr.)

2407 HOWES, H. First step to a hatching start in January. Smallholder 74(1855): 12. Oct. 5, 1945. 10 Sml

Selection of poultry for breeding.

2408 HOWES, H. Is Rhode x Light Sussex a satisfactory cross? Smallholder 74(1856): 12. Oct. 12, 1945. 10 Sml

2409 HOWES, H. Talking turkey to breeders. Mod. Poultry Keeping 53: 299. Oct. 24, 1945. 47.8 Eg3

2410 HUFNAGLE, E. M. White Houdans. Poultry Press 32(1): 9. Nov. 15, 1945. 47.8 P8643

2411 HUTTON, J. Hardest self-coloured female to breed. Poultry [London] 97: 219. Oct. 2, 1945. 47.8 P869

Minorca Bantam.

2412 HUTTON, J. Lacing is important in Andalusians. Poultry [London] 97: 203. Sept. 25, 1945. 47.8 P869

Blue Andalusian and Ancona Bantams.

2413 HUTTON, J. The shape's the thing with Wyandottes. Poultry [London] 97: 315. Nov. 13, 1945. 47.8 P869

2414 HUTTON, J. This is not a breed for novices. Poultry [London] 97: 251. Oct. 16, 1945. 47.8 P869

Modern Game Bantam.

2415 JEFFERS, F. H. The Cochins. Poultry Press 31(25): 4. Oct. 18, 1945. 47.8 P8643

2416 JEFFREY, F. P. Breeding for top quality eggs. Poultry Comment 2(4): 1, 4. Oct. 1945. 47.8 D92

2417 JESTER, M. A woman's opinion of Swiss Mondaines. Amer. Pigeon J. 34(7/8): 100. July/Aug. 1945. (Beltsville Branch Libr.)

2418 KINGMAN, J. A. Barred Rock Bantams. All-Pets Mag. 16(18): 43. Nov. 1945. 48.8 AL5

2419 KLEIN, G. T. Breeds them "tailor-made." New England Homestead 118(20): 16, 18. Oct. 27, 1945. 6 N442

Poultry.

2420 KLEIN, G. T. Dual-purpose specifications; breeders must develop combined meat-egg quality. Poultry Tribune 51(10): 14, 43-44. Nov. 1945. 47.8 P8642

2421 LANGE, D. A. The Rose Comb Black Minorca. Poultry Press 32(1): 8. Nov. 15, 1945. 47.8 P8643

2422 MANGUNO, L. M. Sebrights; origin, heredity, line breeding. All-Pets Mag. 16(18): 52-53. Nov. 1945. 48.8 AL5

From Texas Bantam Association Yearbook.

2423 MATERN, J. F. The Crested for Polish; fowl. Poultry Press 32(1): 9. Nov. 15, 1945. 47.8 P8643

2424 MILLIGAN, J. T. White Leghorns. Part I. Poultry Press 32(1): 7. Nov. 15, 1945. 47.8 P8643

2425 MILSTEAD, E. A report of Swiss Mondaine boosters. Amer. Pigeon J. 34(7/8): 103-104, 123. July/Aug. 1945. (Beltsville Branch Libr.)



2426 MOORE, A. C. Use a stag for one season only. Poultry [London] 97: 246, 251. Oct. 16, 1945. 47.8 P869

Turkey fertility and hatchability.

2427 NARVAEZ, J. DE. Condiciones que deben tener los buenos gallos reproductores. Vida Rural 6(61): 32-33. Aug. 1944. 9.4 V66

2428 NATION-WIDE meat type poultry breeding contest starts January 1. Poultry Supply Dealer 22(11): 40. Nov. 1945. 47.8 B11

Sponsored by the Great Atlantic and Pacific Tea Co.

2429 NEWMAN, T. Do super layers fail [to breed]? Mod. Poultry Keeping 53: 281. Oct. 17, 1945. 47.8 Eg3

2430 PARKER, J. E., and BARTON, O. A. Observations with broad breasted Bronze turkey breeding stock. N. Dak. Agr. Expt. Sta. Bimo. B. 8(1): 3-8. Sept./Oct. 1945. 100 N813B

2431 PLATT, F. L. The contribution of the Coch. Poultry Press 32(1): 3, 9. Nov. 15, 1945. 47.8 P8643

Article first appeared in Poultry Press, 1938.

2432 POWELL-OWEN, W. There comes a lull [in breeding]. Poultry World 77: 169, 176. Oct. 12, 1945. 47.8 P8682

2433 POWELL-OWEN, W. Truth will out; pullets are now under way and the quality of the eggs they produce need strict watching. Poultry World 77: 188. Oct. 19, 1945. 47.8 P8682

A record of egg production as an aid to breeding.

2434 ROSSO, H. D. Fertilidad de los huevos para incubar. Campo [Buenos Aires] 29(347): 52-55. 63. Sept. 1945. 9 C15

2435 SPECIALISED farming. II. Pedigree poultry breeding. North. Ireland. Min. Agr. Monthly Rpt. 20: 134-137. Sept. 1945. 256.13 Ag82M

2436 THOUGHTS on breeding racing pigeons. By Nemo. So. African Poultry, Pigeon and Bird Mag. 51: 273-274. Oct. 1945. 47.8 So83

2437 UBER, E. H. The Dominique. Poultry Press 31(25): 4. Oct. 18, 1945. 47.8 P8643

2438 VICKERS, G. S. New Hampshires gain in popularity in Ohio; data gathered by State [Ohio Poultry Improvement, Association also reveals pullorum infection is at record low. Poultry Supply Dealer 22(11): 16-17, 51-53. Nov. 1945. 47.8 B11

2439 WAMPLER, C. W. Selecting turkey breeders. Poultry & Rabbit Monthly 13(11): 7-9. Nov. 1945. 47.8 P8654

2440 YOUNGS, R. Swing Pouters - selfs, mottled, white snips. Amer. Pigeon J. 34(7/8): 102. July/Aug. 1945. (Beltsville Branch Libr.)

#### Feeds and Feeding

2441 BENSON, T. A. The Christmas turkey. Canad. Countryman 34(23): 33-34. Nov. 10, 1945. 7 C833

Mainly feeding.

2442 BENSON, T. A. Feeding for prime quality market poultry. Canad. Countryman 34(24): 28. Nov. 24, 1945. 7 C833

Includes instructions for slaughtering.

2443 BETHKE, R. M. Hatchability depends on nutrition. Feedstuffs 17(46): 42-43. Nov. 17, 1945. 286.81 F322

2444 BIRTWISTLE, V. Balancing the waste-food ration. Poultry [London] 97: 233, 234. Oct. 9, 1945. 47.8 P869

Third in a series of articles.

2445 BIRTWISTLE, V. Vitamins are essential to life. Poultry [London] 97: 201. Sept. 25, 1945. 47.8 P869

2446 BOCK, E. G. Hand feeding squabs of the fancy breeds. Amer. Pigeon J. 34(7/8): 99. July/Aug. 1945. (Beltsville Branch Libr.)

2447 BOLTON, W., and HALE, R. W. Dried potato products for egg production: statistical analysis of a laying experiment. J. Agr. Sci. [London] 35: 158-162. July 1945. 10 J822

2448 BROOMHEAD, W. W. Pullets laying faulty eggs. Poultry [London] 97: 312. Nov. 13, 1945. 47.8 P869

Due to improper feeding.

2449 BUTTNER, E. E. Food value of cereals; the nature of maize. So. African Poultry, Pigeon and Bird Mag. 51: 266. Oct. 1945. 47.8 So83

2450 BUTTNER, E. E. Pigeon feeding experiments. So. African Poultry, Pigeon and Bird Mag. 51: 275. Oct. 1945. 47.8 So83

Author's name appears as E. Buttner.

2451 C., O. A. Feeding hens. Rural New-Yorker 104: 560. Dec. 1, 1945. 6 R88

For egg production.

2452 COLLINSON, H. Wet or dry [mash]? Farmers Weekly [London] 23(19): 43. Nov. 9, 1945. 10 F2226

2453 HOWES, H. Extra meal may arrest molt. Smallholder 74(1858): 13. Oct. 26, 1945. 10 Sml

2454 HOWES, H. No forcing for hatching eggs. Smallholder 74(1857): 12. Oct. 19, 1945. 10 Sml

Chiefly on feeding to ensure good fertility.

2455 JOHNSTON, M. G. Fattening Christmas turkeys. Family Herald and Weekly Star 75(42): 15. Oct. 17, 1945. 7 F21

2456 KELLEY, D. No substitute for proteins in flock diet. Poultry Supply Dealer 22(11): 18. 45. Nov. 1945. 47.8 B11

2457 KUNKEL, F. G. Protein supplement in pigeon feeding. Amer. Pigeon J. 34(7/8): 105-106. July/Aug. 1945. (Beltsville Branch Libr.)

2458 LACKLAND, S. B. Building and using coop walks. Part 4. Balanced rations provide chicks and growing fowl with good foundation for sound health and insure maximum efficiency. Grit and Steel 47, 1. e. 45(7): 50-51. Nov. 1945. 47.8 G88

2459 LOWRIE, A. W. Feed requirements of broilers. Nulaid News 23(7): 7-8. Oct. 1945. 47.8 N917

2460 LYON, F. J. The feed best suited for success in pigeon racing. Amer. Pigeon J. 34(7/8): 114-115. July/Aug. 1945. (Beltsville Branch Libr.)

2461 MCCLYMONT, G. L. Fowls require salt with all feed. Farmer and Settler 40(29): 14. Aug. 17, 1945. 23 F226

2462 MOORE, A. C. What to do with the extra food. Poultry [London] 97: 214. Oct. 2, 1945. 47.8 P869

Advice to commercial poultrymen in Great Britain.

2463 PARKER, J. E., and COOK, J. E. Chick feeding trials demonstrate importance of a balanced ration. N. Dak. Agr. Expt. Sta. Bimo. B. 8(1): 9-13. Sept./Oct. 1945. 100 N813B

2464 PULSFORD, M. F. Substitute rations for poultry. Tasmanian J. Agr. 16: 107-180, 117. Aug. 1, 1945. 23 T182T

2465 R. Those fat hens. Poultry Farmer [Sydney] 13(7): 14-15. Aug. 18, 1945. 280.28 Or32

And egg production.

2466 SOWELL, D. F. Finishing turkeys for market. Fla. Grower 55(11): 22. Nov. 1945. 80 F6622

2467 TAYLOR, M. W. Feeding experiments on the P[oultry] A[ssociation of] G[reat] B[ritain] farm. Mod. Poultry Keeping 53: 280-281. Oct. 17, 1945. 47.8 Eg3

2468 TYLER, C. The porosity of egg shells, and the influence of different levels of dietary calcium upon porosity. J. Agr. Sci. [London] 35: 168-176. July 1945. 10 J822

#### Veterinary Medicine

2469 ALEXANDER, A. K. S. Up-to-date blood testing. Farmer & Stock-Breeder 59: 1609. Oct. 9, 1945. 10 F228

For pullorum disease.

- 2470 B., M. Hens have colds, too; regular feeding helps keep flock healthy. Wallaces' Farmer and Iowa Homestead 70: 816. Nov. 3, 1945. 6 W15
- 2471 BAYON, H. P. Layers restless on the nest. Poultry Farmer [London] 113(2939): 3. Oct. 19, 1945. 47.8 F312
- Egg binding.
- 2472 BIANCHI, E. Sulle natura del virus dell'attuale moria del pollame. Clin. Vet. 64: 323-330. Sept. 1941. 41.8 C61
- Considered to be laryngotracheitis.
- 2473 BONALUME, W. L. Doenças que atacam os pombos. Fauna [São Paulo] 4(8): 41-42. Aug. 1945. 410 F272
- 2474 BOWERS, M. E. Fowl vs. pigeon pox [vacine]. N. J. Farm and Gard. 16(11): 38. Nov. 1945. 6 G162
- 2475 CARIDROIT, F., and RÉGNIER, V. De l'influence de la sécrétion thyroïdienne sur la réceptivité à l'hormone mâle de la crête du chapon. Rev. Sci. [Paris] 79: 309-315. May/June 1941. 473 R32
- 2476 CARIDROIT, F., and RÉGNIER, V. Influence de système nerveux sur la forme et la pigmentation du plumage de la poule domestique. Rev. Sci. [Paris] 79: 177-181. Mar. 1941. 473 R32
- 2477 CLINE, L. E. Guard against perosis (slipped tendon) in maturing turkeys. Norbest Turkey News 10(4, i. e. 3): 2-3. Oct. 1945. 47.38 N75
- 2478 COUJARD, R. Innervation sympathique de la crête et des barbillons du coq. Soc. de Biol. Compt. Rend. 135: 1149-1152. July 1941. 442.9 P21
- Due to action of sex hormones.
- 2479 DIAS, V. S. Notas parasitológicas sobre a existência em Portugal da tricomoniase do pombo. Rev. de Med. Vet. [Lisboa] 40: 154-161. Apr./June 1945. 41.8 R3215
- 2480 EMMEL, M. W. The toxic principle of the tung tree. Amer. Tung Oil Assoc. Proc. 1945: 38-42, processed. 77.9 Am32
- Tung-oil as poisonous to poultry.
- 2481 FERREIRA, A. J. Formas de variação espontânea do "Mycobacterium tuberculosis avium." Portugal. Dir. Geral dos Serv. Pecuários. B. Pecuário 12 (3): 25-34. 1944. Ref., p. 31-34. 41.8 P83
- 2482 FOSCHI, M. Contributo all'anatomia patologica e alla diagnosi dell'epizootia di laringotracheite infettiva del pollame attualmente dominante in Italia. Clin. Vet. 64: 315-322. Sept. 1941. Ref. 41.8 C61
- 2483 FRAPS, G. S. Utilization of metabolizable energy by growing chicks. Arch. Biochem. 8: 21-27. Oct. 1945. 381 Ar2
- 2484 HARWOOD, P. D., and STUNZ, D. I. Phenothiazine and nicotine-bentonite as an anthelmintic in turkeys. Helminthol. Soc. Wash. Proc. 12(1): 1-2. Jan. 1945. 436.9 H36
- 2485 HIRSCH, A. Coryza constant threat to poultry farm profits. Poultry Supply Dealer 22(11): 14, 50. Nov. 1945. 47.8 B11
- 2486 LESTREM, A. Infección producida por los cestodos. Mundo Avic. 8(91): 26-28. Sept. 1945. 47.8 M92
- 2487 LOUVIER, R., and SERFATY, A. Action de la castration sur la teneur en catalase du sang du coq domestique. Soc. de Biol. Compt. Rend. 135: 552-554. Apr. 1941. 442.9 P21
- 2488 LOVEGROVE, E., and LARKIN, J. V. Blood testing for pullorum disease in poultry. West. Austral. Dept. Agr. J. (ser. 2) 22: 170-171. June 1945. 23 W52J
- 2489 MACILRAITH, J. J. New grain poisoning. Farmer's Mag. 42(10): 76. Oct. 1945. 7 C165
- Fresh grain toxic to poultry.
- 2490 MADSEN, D. E. Lymphomatosis of fowls. All-Pets Mag. 16(18): 43-44. Nov. 1945. 48.8 A15
- 2491 MALDONADO, J. F. The life cycle of Tamerlania bragai, Santos 1934, (Eucotylidae), a kidney fluke of domestic pigeons. J. Parasitol. 31: 306-314. Oct. 1945. 418.8 J624
- 2492 MORGAN, E. G. To be TB clear: change ground triennially. Poultry Farmer [London] 113 (2938): 6-7. Oct. 12, 1945. 47.8 F312
- 2493 R., M. A. Cron operation. Poultry Farmer [London] 113(2939): 6. Oct. 19, 1945. 47.8 F312
- 2494 RITZHAUPT, L. H. Doctor-poultryman relates treatment of chicken colds. Southwest Poultryman 9(7): 5-6. Nov. 1945. 47.8 S886
- 2495 RITZHAUPT, M. D. Health of your poultry flock; treatment for common colds and laryngotracheitis. Poultry Press 32(1): 10. Nov. 15, 1945. 47.8 P8643
- 2496 RUDNICK, D. Differentiation of prospective limb material from Creeper chick embryos in coelomic grafts. J. Expt. Zool. 100: 1-17. Oct. 1945. Ref. 410 J825
- 2497 SIBBY, A. Diseases of pigeons. Pigeon News 51(896): 11. Nov. 1945. 47.8 P621
- 2498 SLINGER, S. J. The more common nutritional diseases in poultry; their diagnoses and controls. Canad. Poultry Rev. 69(11): 4-6, 42. Nov. 1945. 47.8 C16
- 2499 SNEDECOR, G. W., and BRENNEMAN, W. R. A factorial experiment to learn the effects of four androgens injected into male chicks. Iowa State Col. J. Sci. 19: 333-342. July 1945. 470 Io9
- 2500 VIANELLO, G. L'attuale epizootia di laringo tracheite infettiva dei polli e le possibilità di protezione vaccinale. Clin. Vet. 64: 264-274. July 1941. 41.8 C61
- 2501 WANG, H. Experimental alteration of growth rate in chimaeric feathers of breast-saddle origin in the Brown Leghorn capon. Physiol. Zool. 18: 335-364. Oct. 1945. Ref. 410 P56
- 2502 WEHR, E. E., and ALLEN, R. W. Additional studies on the life cycle of Capillaria caudinflata, a nematode parasite of chickens and turkeys. Helminthol. Soc. Wash. Proc. 12(1): 12-14. Jan. 1945. 436.9 H36

#### Miscellaneous

- 2503 ALEXANDER, A. K. S. Range or pens for breeders. Farmer & Stock-Breeder 59: 1569. Oct. 2, 1945. 10 F228
- Poultry.
- 2504 ASMUNDSON, V. S. Artificial lights for turkeys. Coop. Poultryman 10(11): 9-10. Nov. 1945. 47.8 C782
- Also, with slight change of title, in Nulaid News 23(7): 11-13. Oct. 1945. 47.8 N917
- 2505 ATKINSON, J. M. Effects of high altitude on hatching eggs. Nulaid News 23(7): 15. Oct. 1945. 47.8 N17
- 2506 ATKINSON, J. M. Markets by air. Hatchery Tribune 19(11): 17, 57-58. Nov. 1945. 47.3 H28
- Effect of air transportation on egg hatchability.
- 2507 BARLEY, H. D. Some outstanding specimens. Poultry World 77: 169. Oct. 12, 1945. 47.8 P8682
- Laying contests.
- 2508 BELL, R. K. New management "wrinkle"; January and February hatched pullets are housed in movable shelters. Poultry Tribune 51(10): 12-25. Nov. 1945. 47.8 P8642
- 2509 BERG, L. R. Why abnormal eggs? Wash-coegg 23(6): 7, 18. Nov. 1945. 47.8 W27
- 2510 BROOMHEAD, W. W. Can you tell a layer's age? Poultry [London] 97: 248. Oct. 16, 1945. 47.8 P869
- 2511 BROOMHEAD, W. W. How to deal with feather-eating. Poultry [London] 97: 200, 205. Sept. 25, 1945. 47.8 P869
- 2512 BROOMHEAD, W. W. When pullets should perch. Poultry [London] 97: 216. Oct. 2, 1945. 47.8 P869
- 2513 CAMPBELL, H. L. Fluff and feather. Amer. Pigeon J. 34(7/8): 103. July/Aug. 1945. (Beltsville Branch Lib.)
- Announcement of pigeon shows.



- 2514 CLINE, L. E. Prevent blue back turkeys and save the profits. *Norbest Turkey News* 10 (4, 1. e. 3): 9-10. Oct. 1945. 47.38 N75
- 2515 CLINTON, H. F. Burnley Egg-Laying Competition; results of winter test. *Victoria. Dept. Agr. J.* 43: 393-394. Sept. 1945. 23 V66J
- Conducted by the Dept. of Agriculture at the School of Primary Agriculture and Horticulture, Burnley.
- 2516 COLLINSON, H. Domestic, too, should try night-lighting to increase winter egg production. *Smallholder* 74(1856): 15. Oct. 12, 1945. 10 Sm1
- 2517 COLLINSON, H. Shorten the autumn moult. *Mod. Poultry Keeping* 53: 280. Oct. 17, 1945. 47.8 Eg3
- 2518 DAVIES, A. C. Cull - or be culled. (Excerpt.) *Red Comb B.* 176, p. 6-8. June/July 1945. 47.8 R24
- 2519 DOOLE, L. E. Let's talk turkey. *Nebr. Farmer* 87(21): 18, 26. Nov. 3, 1945. 6 N27
- Description of a turkey farm.
- 2520 EBERLY, N. From school room to turkey ranch. *Pa. Farmer* 133: 233, 258. Nov. 10, 1945. 6 P383
- Description of a diversified farm.
- 2521 ELLIS, F. E. The greatest labor-saver -- deep litter. *Family Herald and Weekly Star* 76(47): 17. Nov. 21, 1945. 7 F21
- 2522 FARNSWORTH, MRS. H. How are pullets doing? *Mo. Ruralist* 86(21): 25. Nov. 10, 1945. 6 R8891
- 2523 FARNSWORTH, MRS. H. Turkeys pay for new farm. *Mo. Ruralist* 86(20): 23. Oct. 27, 1945. 6 R8891
- Description of two farms.
- 2524 FIORFA, J. H. Leghorn pen sets new record. *Poultry Tribune* 51(10): 15, 64, 66-70. Nov. 1945. 47.8 P8642
- 2525 GALER, F. Prim's health service sells remedies and chicks. *Hatchery Tribune* 19(11): 11, 62-63. Nov. 1945. 47.8 H28
- Concerning activities of a hatchery.
- 2526 GEORGIA. COLLEGE OF AGRICULTURE. Progress report, nineteenth Georgia National Egg-Laying Test, Sept. and final summary, 1945, v. 19, No. 12, 8 p. Athens, Ga. 47.9 G29P
- 2527 GORDON, M. D. Value of trapnest records. *Field* 186: 272. Sept. 15, 1945. 10 F45
- 2528 H., H. Ducks in winter quarters; late hatched birds require special treatment. *Mod. Poultry Keeping* 53: 293. Oct. 24, 1945. 47.8 Eg3
- 2529 HOUSE proud. By Observer. *Poultry World* 77: 176. Oct. 12, 1945. 47.8 P8682
- Sanitation of the Bentam house.
- 2530 HUTCHESON, H. E., JR. Valley poultrymen have the "know-how." *South. Planter* 106(11): 35, 41. Nov. 1945. 6 So89
- Poultry and turkey farms in the Shenandoah Valley.
- 2531 INKPEN, J. If they don't lay this month they may not until Christmas. *Poultry Farmer* [London] 113(2938): 6-7. Oct. 12, 1945. 47.8 F312
- Purchase and care of pullets.
- 2532 JEFFRIES, C. R. Management of chicks during brooder stage. *New Zeal. J. Agr.* 71: 201-202. Aug. 15, 1945. 23 N48J
- 2533 JONES, R. E. House pullets when production starts. *Cackle and Crow* 28(1): 2. Nov. 1945. 47.8 Cl1
- 2534 JULL, M. A. Testing to increase viability. *Hatchery Tribune* 19(11): 69-71. Nov. 1945. 47.8 H28
- 2535 KOHLMAYER, W. Factors that regulate egg production. *Dakota Farmer* 65(22): 20. Nov. 17, 1945. 6 D14
- 2536 LAVERS' test for domestics. By Domesticus. *Mod. Poultry Keeping* 53: 278. Oct. 17, 1945. 47.8 Eg3
- 2537 LEGGATE, J. Do you have to say: that's the one, over there!...some pointed remarks about leg ringing. *Mod. Poultry Keeping* 53: 293. Oct. 24, 1945. 47.8 Eg3
- 2538 LODGE, C. Buying and checking about-to-lay pullets. *Poultry Farmer* [London] 113(2938): 7. Oct. 12, 1945. 47.8 F312
- 2539 LODGE, C. Managing autumn turkeys. *Poultry Farmer* [London] 113(2939): 7. Oct. 19, 1945. 47.8 F312
- 2540 LOUI, D. It's a gamble, but a fascinating game. *Prairie Farmer, Mich. Ed.* 117(22): 48. Oct. 27, 1945. 6 P883A
- Description of a turkey farm.
- 2541 LYON, F. J. Why and wherefore of pigeon lore; the Army's homing pigeons. *Amer. Racing Pigeon News* 61(11): 40. Nov. 1945. 47.8 H75
- 2542 MACILRAITH, J. J. Unbalanced ration may cause broodiness. *Farmer's Mag.* 42(11): 60-61. Nov. 1945. 7 Cl65
- Other reasons also discussed.
- 2543 MWTZ, J. W. Training Turbits for exhibition. *Pigeon News* 51(846): 5. Nov. 1945. 47.8 P621
- Also in *All-Pets Mag.* 16(18). Nov. 1945 (48.8 AL5) with slight change of title.
- 2544 MICHEL, M. G. War veteran finds turkey raising profitable. *Washcoegg* 23(6): 11, 22. Nov. 1945. 47.8 W27
- Description of a turkey farm.
- 2545 MISSOURI. STATE POULTRY EXPERIMENT STATION. Thirty-fourth national egg laying test, Sept. & final, 1945, 3 p., processed. Mountain Grove, Mo. 47.9 M692M
- 2546 MOORE, A. C. Best way to keep geese. *Poultry* [London] 97: 310. Nov. 13, 1945. 47.8 P869
- 2547 MOORE, A. C. Raise more turkeys; prospects now excellent for this branch of poultry keeping. *Poultry* [London] 97: 230. Oct. 9, 1945. 47.8 P869
- 2548 NEWMAN, T. This hardening business can be overdone; exposure may be harmful. *Mod. Poultry Keeping* 53: 298-299. Oct. 24, 1945. 47.8 Eg3
- 2549 NODINE, W. H. The youngsters know how; two great youth organizations are developing rural leadership. *Poultry Tribune* 51(10): 18, 47. Nov. 1945. 47.8 P8642
- Poultry projects of FFA and 4-H Clubs.
- 2550 OGLE, R. C. Pullet production and egg size. *Breeder's Gaz.* 110(11): 18-19. Dec. 1945. 49 B74
- 2551 PARISH, A. J. The personal factor. *Poultry World* 77: 176. Oct. 12, 1945. 47.8 P8682
- Egg production.
- 2552 PARISH, A. J. Pullets in batteries: importance of acclimatizing stock to this system. *Poultry World* 77: 181. Oct. 19, 1945. 47.8 P8682
- 2553 PEASE, B. Taking care of turkeys. *Rural New-Yorker* 104: 518. Nov. 17, 1945. 6 R88
- 2554 PERRY, J. E. Wartime poultry meat production. *South. Calif. Rancher* 10(10): 14. Oct. 1945. 6 So831
- 2555 A POULTRY farm in the Western Province. By Visitor. *So. African Poultry, Pigeon and Bird Mag.* 51: 251-253. Oct. 1945. 47.8 So83
- 2556 PRALL, P. A. Advantages of folds. *Poultry World* 77: 173. Oct. 12, 1945. 47.8 P8682
- 2557 QUINTERO, A. La mejoría de nuestras gallinas. *Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural* 2(11): 6-7. Feb. 1945. 15 Sp12
- 2558 ROGERS, G. A. They looked miserable. *Poultry Farmer* [London] 113(2939): 7. Oct. 19, 1945. 47.8 F312
- Care of poultry in rainy weather.
- 2559 ROOME, C. A. Turkey difficulties. *Farmer & Stock-Breeder* 59: 1609. Oct. 9, 1945. 10 F228
- 2560 SALTVOED, F. 800 turkeys bring in major farm income. *Farm and Ranch Rev.* 41(11): 8. Nov. 1945. 7 F223
- Description of a farm.

- 2561 SEIDE, E. F. The exhibition poultry. Pacific Poultryman 49(10): 5. Nov. 1945. 47.8 P112
- 2562 SHULTZ, N. Battery-grown chicks. Prog. Farmer, Tex. Ed. 60(12): 78. Dec. 1945. 6 T311
- 2563 SODERBERG, P. M. Eyes right. Poultry Farmer [London] 113(2939): 6. Oct. 19, 1945. 47.8 F312
- Condition of eyes of bullets as related to culling.
- 2564 SODERBERG, P. M. A matter of lines. Poultry Farmer [London] 113(2938): 6. Oct. 12, 1945. 47.8 F312
- In culling.
- 2565 STANTON, H. R. Money grows on Cook's range. N. J. Farm and Gard. 16(11): 26, 28, 30. Nov. 1945. 6 G162
- Description of a poultry farm.
- 2566 STENGLEIN, J. Conditioning Magpies. Pigeon News 51(896): 6. Nov. 1945. 47.8 P621
- For exhibiting at shows.
- 2567 STUDY flock condition. By Domesticus. Mod. Poultry Keeping 53: 294. Oct. 24, 1945. 47.8 Eg3
- 2568 SYKES, J. D. Causes of blue backs in turkeys. Southwest Poultryman 9(7): 16. Nov. 1945. 47.8 So86
- 2569 TOMEY, A. F. Culling by shank colour. Poultry Farmer [London] 113(2938): 7. Oct. 12, 1945. 47.8 F312
- 2570 TOMHAVE, A. E. Delawareans can now major in poultry husbandry [at the School of Agriculture, University of Delaware]. Peninsula Broiler J. 5(13): 1-2. Nov. 5, 1945. 47.8 P37
- 2571 AN UP-TO-DATE poultry farm. By Observer. So. African Poultry, Pigeon and Bird Mag. 51: 259-260. Oct. 1945. 47.8 J83
- 2572 VICKERS, G. S., and DAVISSON, B. R. Facts concerning Ohio-U. S. approved and certified hatcheries for the 1944-1945 season, 31 p. Columbus, Ohio Poultry Improvement Assoc., 1945. 47.9 Oh3
- Under the National Poultry Improvement Plan.
- 2573 VILLEGAS ARANGO, E. La cloquera, enemigo número uno de la producción. Cult. Mod. 28: 8-9. Jan. 1945. 15 C89
- 2574 VONDELL, J. H. Broiler qualities. Canad. Poultry Rev. 69(11): 7. Nov. 1945. 47.8 C16
- 2575 WASTE on poultry farms. By Rufus. Poultry Farmer [Sydney] 13(7): 31-32. Aug. 18, 1945. 280.28 Or32
- Use of records to check on egg production.
- 2576 WEAVER, L. E. How to get high egg production. Poultry Tribune 51(10): 11, 24-25. Nov. 1945. 47.8 P8642
- 2577 WHELDON, H. G. The rearing and fattening of table poultry. Rhodesia Agr. J. 42: 361-371. July/Aug. 1945. 24 R34
- 2578 WILHELM, L. A. So you want to go into the turkey business? Successful Farming 43(11): 122-125. Nov. 1945. 6 S12
- A general discussion.
- 2579 WISCONSIN. DEPT. OF AGRICULTURE. Wisconsin U. S. approved, certified and pullorum tested, controlled hatcheries and record of performance poultry flocks...with record of performance 1944 report. Wis. Dept. Agr. B. 254, 12 p. Madison, 1945. 2 W752 Bu
- 2583 BLAKE, R. Sideline in Sables. Poultry World 77: 174. Oct. 12, 1945. 47.8 P8682
- 2584 CHRISTENSEN, H. W. Continuation, show type I New Zealand Whites. Small Stock Mag. 29(11): 8. Nov. 1945. 48.8 P442
- 2585 FARLEY, C. N. The American Chinchilla Rabbit Breeders' Association. Internatl. Com. Rabbit J. 3(25): 61-64. Nov. 1945. 40.28 In8
- 2586 FARLEY, C. N. The Chinchilla an ideal commercial rabbit. Internatl. Com. Rabbit J. 3(25): 39. Nov. 1945. 40.28 In8
- 2587 GIBBONS, A. S. The Chinchilla [weight, "gap." Internatl. Com. Rabbit J. 3(25): 41-43. Nov. 1945. 40.28 In8
- 2588 HERZOG, E. H. Chinchillas as a commercial breed. Internatl. Com. Rabbit J. 3(25): 75-76. Nov. 1945. 40.28 In8
- 2589 HOUGH, E. V. The commercial Chinchilla and the [weight, "gap." Internatl. Com. Rabbit J. 3(25): 55-59. Nov. 1945. 40.28 In8
- Also in Small Stock Mag. 29(11): 20-21, 24. Nov. 1945. 48.8 P442
- 2590 KISKEY, F. The genetical background of rabbit breeding. IV. Getting the reproductive cells ready to unite. Small Stock Mag. 29(11): 3, 10, 14, 34, 38. Nov. 1945. 48.8 P442
- 2591 MEEK, M. W. American Chinchilla rabbits--romance of the fur rabbit trade. Internatl. Com. Rabbit J. 3(25): 9-15. Nov. 1945. 40.28 In8
- 2592 PHELAN, V. Brief summary of genetics in breeding rabbits. Amer. Small Stock Farmer 30(2): 3-5. Nov. 1945. 48.8 J82
- 2593 ROERDANZ, A. Beauty plus in Tans. Small Stock Mag. 29(11): 24E. Nov. 1945. 48.8 P442
- 2594 SMITHSON, R. Wooly Chins. Internatl. Com. Rabbit J. 3(25): 37. Nov. 1945. 40.28 In8
- 2595 WHITE, R. R. "Daylight for the Angora rabbit. Internatl. Com. Rabbit J. 3(25): 17-18. Nov. 1945. 40.28 In8
- 2596 WILLIAMS, P. F. In favor of the Chinchilla [weight] gap. Small Stock Mag. 29(11): 29. Nov. 1945. 48.8 P442

#### Feeds and Feeding

- 2597 BANKS, A. E. The soybean problem. Small Stock Mag. 29(11): 29. Nov. 1945. 48.8 P442
- The whole dried soybean as feed for rabbits.
- 2598 BUTTERFIELD, H. M. Feeding rabbits successfully. Poultry & Rabbit Monthly 13(11): 5-6, 9. Nov. 1945. 47.8 P8654
- 2599 PATWORTH, D. How much water do rabbits need? Poultry [London] 97: 217. Oct. 2, 1945. 47.8 P869
- 2600 PATWORTH, D. Rabbits are good lawn mowers. Poultry [London] 97: 249. Oct. 16, 1945. 47.8 P869
- 2601 SEYMOUR, P. Running stock without a garden. Poultry Farmer [London] 113(2938): 9. Oct. 12, 1945. 47.8 F312
- Rabbit feeding.
- 2602 SNOW, C. F. Hay diet for the rabbits. Mod. Poultry Keeping 53: 301. Oct. 24, 1945. 47.8 Eg3

#### RABBITS

##### Breeds and Breeding

- 2580 ABRAMS, L. E. The Angora industry. Internatl. Com. Rabbit J. 3(25): 53-54. Nov. 1945. 40.28 In8
- 2581 AMERICAN RABBIT AND CAVY BREEDERS ASSOCIATION, INC. Guide book and standard, 1944/47, 461 p. Colorado Springs, Colo. 40.2 Am35
- 2582 BLAKE, R. Dual-purpose Belgians; some types may usefully be employed for meat and fur. Poultry World 77: 187. Oct. 19, 1945. 47.8 P8682

##### Veterinary Medicine

- 2603 BROWN, W. H., and PEARCE, L. Hereditary achondroplasia in the rabbit. I. Physical appearance and general features. II. Pathologic aspects. III. Genetic aspects; general considerations. J. Expt. Med. 82: 241-295. Oct. 1, 1945. 448.8 J822
- References at end of each section.
- 2604 HELPING the beginners. Chapter No. 8. The more common rabbit diseases and ailments. Prevention, some proven remedies. By Old Timer. Internatl. Com. Rabbit J. 3(25): 83-86. Nov. 1945. 40.28 In8



2605 MCCORMACK, G., and ELDEN, C. A. Seasonal variation of rabbits to pituitary extracts. Endocrinology 37: 297-299. Oct. 1945. 448.8 En2  
As related to estrus.

2606 MARTIN, E. F. La définition organique du lapin. Prog. Agr. et Vitic. 116: 39. (To be cont.) July 20, 1941. 14 P94

As related to indigestion.

2607 MONDON. La coccidiose du lapin; traitement curatif et préventif. Terre Maroc. 15(190): 14-15. Sept. 1945. 24 T44

2608 PELOURO, J. T. Encefalite enzoótica dos coelhos em Portugal; sua importância em patologia experimental. Rev. de Med. Vet. [Lisboa] 40: 136-148. Apr./June 1945. 41.8 R3215

2609 ROSA, F. M. DA. Uma nova mutação, luxação congénita da anca, no coelho. Rev. de Med. Vet. [Lisboa] 40: 103-125. Apr./June 1945. 41.8 R3215  
English summary.

#### Miscellaneous

2610 DUNCAN, D. Getting the wool to market. Standard Rabbit J. 19(2): 3. Nov. 1945. 40.28 St2  
Shearing.

2611 ÉCOLE FRANÇAISE DE BASSE-COUR. L'élevage du lapin; ce qu'on ne sait pas sur le lapin et qu'il faut savoir pour en réussir l'élevage. Prog. Agr. et Vitic. 115: 301-303. (To be cont.) Apr. 27, 1941. 14 P94

2612 M., L. Élevage familial du lapin. Prog. Agr. et Vitic. 115: 423-428. June 15, 1941. 14 P94

2613 OLSON, E. M. Fifteen years' experience with rabbits. Small Stock Mag. 29(11): 24F, H. Nov. 1945. 48.8 P442

2614 PATWORTH, D. Dried leaves as rabbit bedding. Poultry [London] 97: 201. Sept. 25, 1945. 47.8 P869

2615 PATWORTH, D. Fur and fancy rabbit values. Poultry [London] 97: 233. Oct. 9, 1945. 47.8 P869  
Show versus commercial value.

2616 PATWORTH, D. Rabbit hints for the demobbed [demobilized]—1. Poultry [London] 97: 313. Nov. 13, 1945. 47.8 P869

2617 SIMONS, J. J. Let's apply the Golden Rule to pedigrees. Small Stock Mag. 29(11): 24D. Nov. 1945. 48.8 P442

#### SHEEP AND GOATS

##### Breeds and Breeding

2618 ASHTON, J. The Angora kingdom. Prog. Farmer, Tex. Ed. 60(12): 14. Dec. 1945. 6 T311  
Description of an Angora goat ranch.

2619 AUSTRALIAN SOCIETY OF BREEDERS OF BRITISH SHEEP. Flock book for British breeds of sheep in Australia, v. 37, Sect. 1 (longwool breeds), 448 p.; Sect. 2 (shortwool breeds), 383 p. Melbourne, 1945. 45.9 Au72

2620 COX, E. W. Aspectos de la evolución del Merino Australiano. Res 13: 17935-17937. Sept. 5, 1945. 286.85 R31

2621 DAVIDSON, R. A. Scotch Blackface sheep. Natl. Wool Grower 35(11): 24. Nov. 1945. 45.8 N21N

2622 EWING, P. V., SR. Breeders of sheep. Sheep Breeder 65(11): 5, 32-33. Nov. 1945. 45.8 Am31

2623 FETTER, J. F. Alta Rigi Kulm. Amer. Dairy Goat News 7(5): 6, 8, 13. Nov. 1945. 40.18 Am34

A Saanen goat, and his descendants.

2624 HENSLEY, C. J. This year's sire is next year's herd. Dairy Goat J. 23(9): 7. Nov. 1945. 40.18 M592

2625 INTERNATIONAL sheep breeds; world evolution of sheep & wool (Seventh edition); the sheep of Iran. Calif. Wool Grower 21(45): 12-15, 18-22. Nov. 6, 1945. 45.8 C12

Compiled from data taken from works of Sohrab Sohraby and the Iranian Agricultural Experiment Station, Karadj, Tehran, Iran.

2626 LARREA, I. A. Contribución al estudio de la inseminación artificial de ovinos. Cám. Merc. de Prod. del País, Montevideo. Rev. Semanal 51(41): 6-8, 10-11. Oct. 19, 1945. 287 Ur82

2627 MONTEIL, L. A propos du transfert à Lavallette d'une partie du troupeau de Rambouillet. Prog. Agr. et Vitic. 116: 225-229. Nov. 9, 1941. 14 P94

2628 MORENO, J. J. Razas de doble propósito (Corriedale). Argentina. Min. de Agr. Almanaque (1945) 20: 334-335. 9 Ag874

2629 MUIRHEAD, D. B. Breeding crossbred ewes for the fat lamb industry. So. Austral. Dept. Agr. J. 49(1): 7-10. Aug. 1945. 23 So84

2630 PERAZA, V. M. Apuntes sobre la crianza del carnero. Fomento [monthly], 2(22): 17-18, 26. Aug. 1945. 8 F734

2631 PONS, P. Les races ovines des Pyrénées. Féd. Pyrén. d'Econ. Montagn. Ann. (1942/43) 10: 39-52. 1944. 280.9 F312

2632 SAGAREFF, V. DE. Causse-nardes. Prog. Agr. et Vitic. 116: 286-289. Dec. 7/14, 1941. 14 P94

A breed of sheep.

2633 SIDOROV. Karakul breeding in USSR. Agr. Com. Amer.-Soviet Friendship. Release 48, 2 p. Nov. 15, 1945. 20 Ag89

2634 SWINBURNE, C. J. F. Merino flock management in Western Queensland. Queensland Agr. J. 61: 163-165. Sept. 1945. 23 Q33

2635 ZAVADOVSKY, M. Soviet work increases sheep fecundity. Stock and Land 35(39): 7. Sept. 26, 1945. 49 St63

#### Feeds and Feeding

2636 ALBAUGH, R. Onion by-product for lamb feed. Calif. Cult. 92: 551. Oct. 13, 1945. 6 C12

2637 BAGNALL, MRS. N. Winter rations for goats. Smallholder 74(1857): 17. Oct. 19, 1945. 10 Sml

2638 GORDON, M. D. Garden waste for goats and rabbits. Field 186: 246. Sept. 8, 1945. 10 F45

2639 GORRIE, C. J. R. Investigation of copper needs of sheep and cattle. Stock and Land 35(36): 3. Sept. 5, 1945. 49 St63

2640 LITTON, G. W. Watering sheep. East. Breeder 7(6): 51-52. Nov. 1945. 49 V81

2641 MCCLYMONDS, A. E. \$50 an acre from sheep [on improved pasture]. Breeder's Gaz. 110(11): 7, 25. Dec. 1945. 49 B74

2642 PRICE, F. S. Soil conservation on Humble ranch. Sheep and Goat Raiser 26(2): 8-9. Nov. 1945. 45.8 Sh3

Stocking of pastures.

2643 WOLFF, O. J. Beet top feeding spurs S. D. sheep industry. U and I Cult. 5(3): 21. Sept. 1945. 66.8 U12

#### Veterinary Medicine

2644 B., A. W. Wool films for woolgrowers. Country Life [Sydney] 57(9): 15. Aug. 31, 1945. 286.85 Sy2

Describing three films on sheep parasites.

2645 BOEV, S. M., and BONDAREVA, V. I. [Sezonnaya dinamika Diktiokaulēza oveti na fugo-vostoke Kazakhstana [Seasonal dynamics of sheep Dictyocaulus in southeastern Kazakhstan]. Veterinarif 21(4): 20. Apr. 1944. 41.8 V6426

2646 BOI, F. Sulla terapia delle bronco-polmoniti verminose degli ovini. Clin. Vet. 64: 45-50. Feb. 1941. Ref. 41.8 C61

- 2647 D., E. The lesser-known sheep diseases met with in the Territory of Santa Cruz. 1-3. Rev. River Plate 99(2802): 48-49; (2803): 27; (2804): 24-25. Aug. 24-Sept. 7, 1945. 286.8 R32
1. Mycotic dermatitis; 2. "Seborrhoea oleosa" (Not yet confirmed. May possibly be a form of "pustular dermatitis"); 3. Contagious pustular dermatitis (ecthyma); pneumonia.
- 2648 D., E. Treatment of sheep diseases in Santa Cruz; internal parasites of sheep. Rev. River Plate 99(2808): 26-29. Oct. 5, 1945. 286.8 R32
- 2649 FILIPPO, U., and CARLO, M. L'azione proliferativa della follicolite studiata sulle popolazioni ciliate del ruminante. Milan. R. U. B. di Zool. Agr. e Bachicoltura (1940) 10: 100-109. 1941. 423.92 B63
- Experiments with sheep.
- 2650 GINIÉIS, ---, MALTERRE, ---, and WILCZYNSKA, ---. Emploi des sulfamidés dans le traitement de la mammites des brebis. Acad. Vét. de France. B. 14: 16-21. Jan./Feb. 1941. 41.9 R24
- Discussion by Bridré and Lesbouyries, p. 21.
- 2651 LUCAS MORÁN, B. Brucelosis caprina ("fiebre de malta"). Argentina. Min. de Agr. Alim. naque (1945) 20: 267-268. 9 Ag874
- 2652 MOULE, G. R. Correct methods in lamb marking. Queensland Agr. J. 61: 159-162. Sept. 1945. 23 Q33
- Docking.
- 2653 OLSEN, O. W., and ALLEN, R. W. Tests with carbon tetrachloride, hexachlorethane, and tetrachlorethylene, for removing the fringed tapeworm [Thysanosoma actinioides] of sheep. Helminthol. Soc. Wash. Proc. 12(1): 2. Jan. 1945. 436.9 H36
- 2654 SANDERSON, C. J. Eversion of the vagina in ewes. Land [Sydney], No. 1759, p. 11. Aug. 17, 1945. 23 L22
- 2655 SIZOV, P. V. Kolibatšilleznyye aborty u ovets [Colibacillary abortions in sheep]. Veterinaria 22(1): 23-24. Jan. 1945. 41.8 V6426
- 2656 UNDERHILL, I. F., and UNDERHILL, MRS. I. F. You can cure it. Amer. Dairy Goat News 7(5): 7, 11. 17. Nov. 1945. 40.18 Am34
- Treatment of pneumonia in kids with sulfapyridine and sulfathiazole.
- 2657 VERGE, J., DRIEUX, H., and SENTHILLE, F. Un nouveau cas de tuberculose chez le bouc. Acad. Vét. de France. B. 14: 59-64. Mar./Apr. 1941. 41.9 R24
- Discussion by Urbain, p. 64.
- Miscellaneous
- 2658 AGRAZ GARCIA, A. A. La capricultura constituye una fuente positiva de riqueza. Campo [Gualajara] 13: 214-215. Nov. 1945. 8 G76
- 2659 ALLRED, B. W. The role of sheep in civilization. Natl. Wool Grower 35(10): 12, 19. Oct. 1945. 45.8 N21N
- Concluding article in a series of three on the origin and domestication of sheep.
- 2660 BETTINI, T. M. Sull'origine degli ovini africani. Riv. di Biol. Colon. 4: 215-236. Oct. 1941. Ref. 442.8 B522
- 2661 CHARON, A. J. La chèvre. Prog. Agr. et Vitic. 115: 428-433. June 15, 1941. 14 P94
- 2662 CURTIS, R. S. Get sheep ready for winter. Prog. Farmer, Car.-Va. Ed. 60(11): 66. Nov. 1945. 6 P945
- 2663 GREENSHAW, C. Dairy goats help build Ted Richmond's Wilderness Library. Dairy Goat J. 23(9): 4-5. Nov. 1945. 40.18 M592
- Description of a dairy goat farm.
- 2664 HOLMES, W. O. Why do I keep goats? I'll give you a dozen really good reasons. Smallholder 74(1857): 10-11. Oct. 19, 1945. 10 Sm1
- 2665 K., F. J. Ensuring a good crop of lambs. Farmers' Gaz. [Dublin] 103: 589. Oct. 6, 1945. 10 F221
- 2666 MILLER, R. C. Care of sheep is essential. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 60(11): 22, 74. Nov. 1945. 6 P945K
- 2667 SCOTT, J. P. Social behavior, organization and leadership in a small flock of domestic sheep. Compar. Psychol. Monog., v. 18, No. 4, ser. No. 96, 29 p. Baltimore, 1945. Ref. 45 Sco8S
- SWINE
- Breeds and Breeding
- 2668 BALDRIDGE, H. The herd boar is king. Hog Breeder 20(11): 3, 5. Nov. 1945. 46.8 H672
- 2669 BROWN, R. Why the OIC is the greatest hog from every standpoint. OIC News 11(10): 4. Oct. 1945. 46.8 O11
- 2670 COFFEY, J. S. Rich vs. the poor---in the swine breeding field. Duroc News 19(11): 28. Nov. 1945. 46.8 N212
- 2671 COFFEY, J. S. Your breed magazine [Berkshire News]. Berkshire News 11(1): 6. Nov. 1945. 46.8 B454
- 2672 HASSLER, F. Poland China judging. Hog Breeder 20(11): 48. Nov. 1945. 46.8 H672
- 2673 HECK, M. C. Breeding season management. Duroc News 19(11): 12-13. Nov. 1945. 46.8 N212
- 2674 ZAVADOVSKI, B. M. Effect of increased fecundity in swine induced with the aid of the SPM gonad stimulating hormone. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 225-228. Apr. 30, 1945. 511 P444
- Serum of pregnant mares.
- Feeds and Feeding
- 2675 B., Z. Don't starve hogs for salt. Successful Farming 43(11): 126. Nov. 1945. 6 Sul2
- 2676 B., Z. Pasture vs. supplement for hogs. Successful Farming 43(11): 127. Nov. 1945. 6 Sul2
- 2677 BRAUDE, R. Some observations on the need for copper in the diet of fattening pigs. J. Agr. Sci. [London] 35: 163-167. July 1945. 10 J822
- 2678 CHARNETSKI, A. J. Fall and winter pigs require special care and feeding. Farm and Ranch Rev. 41(11): 16. Nov. 1945. 7 F223
- 2679 COPPINI, R., and BELLINI, G. Sull'impiego dei residui della macellazione nella alimentazione dei suini. Clin. Vet. 64: 250-258. July 1941. 41.8 C61
- 2680 FERRIN, E. F. A comparison of five grains as hog feeds. Berkshire News 11(1): 42-43. Nov. 1945. 46.8 B454
- 2681 GIANNOTTI, D. Prove sperimentali di alimentazione dei suini con alcuni residui della macellazione. Clin. Vet. 64: 379-401. Nov. 1941. 41.8 C61
- 2682 HOEKZEMA, J. P. Methods of hog raising in Midwest changing; salt feeding. Farmers Guide 101(21): 12. Nov. 1, 1945. 6 In2
- 2683 LONGWELL, J. H., and HUBER, W. H. The value of a supplemental mixture fed with cereal grain to swine. N. Dak. Agr. Expt. Sta. Bimo. B. 8(1): 23-27. Sept./Oct. 1945. 100 N813B
- 2684 OCHOA, F. La cría económica de cerdos. Vida Rural 6(61): 20-22. Aug. 1944. 9.4 V66
- Concerning feeding.
- 2685 PETERS, W. H., and FERRIN, E. F. Hand-feeding or self-feeding of bred gilts in winter. Chester White World 26(4): 6-7. Oct. 1945. 46.8 C42
- 2686 PINKERTON, H. E. Calcium deficiencies of swine. Kans. Stockman 30(1): 40, 42. Nov. 1945. 49 K134
- 2687 ROBISON, W. L. The winter feeding of hogs. Ohio Farm Bur. News 25(4): 9. Nov. 1945. 6 Oh34



2688 S., S. Futtermittelzuteilung an die gewerbliche Schweinemast. Schweiz. Milchztg. 71: 399. Nov. 13, 1945. 44.8 Sch92

2689 SHAW, A. O. A 400-pound hog is a bad sign. Prog. Farmer, Car.-Va. Ed. 60(12): 17. Dec. 1945. 6 P945

#### Feeding.

2690 WEST, J. W. Substitute rations for pigs. Tasmanian J. Agr. 16: 100-102. Aug. 1, 1945. 23 T182T

2691 WOODMAN, H. E., and EVANS, R. E. Nutrition of the bacon pig. XI. The minimum level of protein intake consistent with quick growth and satisfactory carcass quality (Part IV). J. Agr. Sci. [London] 35: 133-149. July 1945. 10 J822

#### Veterinary Medicine

2692 ALLEN, R. W. Trials with sodium fluoride as an ascaricide for swine. North Amer. Vet. 26: 661-664. Nov. 1945. 41.8 N812

2693 ANDREWS, J. S., and CONNELLY, J. W. Worm parasites in swine raised under a moderate degree of sanitation. Helminthol. Soc. Wash. Proc. 12(1): 6-12. Jan. 1945. 436.9 H36

2694 GEIGER, W. La peste dei suini ed il cimurro dei cani. Clin. Vet. 64: 222-226. June 1941. 41.8 C61

2695 GWATKIN, R. Mortality in young pigs. I. Effect of diet from birth to weaning and from weaning to maturity. Canad. J. Compar. Med. 9: 263-281. Oct. 1945. 41.8 C162

2696 HAWTHORNE, G. A. Sulfathiazole for necrotic enteritis in swine. North Amer. Vet. 26: 664. Nov. 1945. 41.8 N812

2697 JONES, T. L. Two anomalies in swine. Canad. J. Compar. Med. 9: 287. Oct. 1945. 41.8 C162

2698 KERNKAMP, C. H., ROEPKE, M. H., and JASPER, D. E. It's time to control swine brucellosis now. Minn. Farm and Home Sci. [Minn. Sta.] 3(1): 10-11. Oct. 15, 1945. 100 M668

2699 LEITAO, J. L. DA S. Parasitologia prática; metastrongilose bronco-pulmonar dos suínos (bronco-pneumonia verminosa). Rev. de Med. Vet. [Lisboa] 40: 196-197. Apr./June 1945. 41.8 R3215  
Metastrongylus elongatus and Choerostonylus pudendotectus.

2700 MCCLELLAND, S. H. Infectious rhinitis--bull nose of pigs. West. Farm Leader 10: 357. Nov. 2, 1945. 280.28 W52

2701 OSORIO, R. A. El cólera o peste del cerdo. Agr. y Canad. 20(10): 3-12. Aug. 31, 1945. 8 Ag834  
Immunization.

2702 PEIRSON, H. M. Economic importance of disease losses. New Zeal. J. Agr. 71: 147-149. Aug. 15, 1945. 23 N48J  
Swine.

2703 RENSCHAW, B. "The great masquerader"; undulant fever fast becoming No. 1 rural health menace; it's contracted from Bang's diseased hogs, cattle, goats. Prairie Farmer, Mich. Ed. 117(23): 1, 28. Nov. 10, 1945. 6 P883A

With special reference to Brucella suis.

2704 TONDURY, G. Zum feinaufbau des chorionepithels der Schweineplacenta. Rev. Suisse de Zool. 51: 369-376. July 1944. 410 R324

2705 YOUNG, H. J. Viruela de los lechones. Argentina. Min. de Agr. Almanaque (1945) 20: 409-410. 9 Ag874

Swine pox.

#### Miscellaneous

2706 CASE, J. F. Ever raise a 16-pig litter? Mo. Ruralist 86(22): 18. Nov. 24, 1945. 6 R8891  
4-H Club project.

2707 DEYOE, G. P. Measuring their efficiency. Mich. Farmer 205: 185, 192. Oct. 20, 1945. 6 M58  
Swine records and testing.

2708 LABARTHE, C. Algunos consejos al productor de cerdos. Campo y Arado 1(5): 7. Aug. 1945. 9 C152

2709 MCRAE, F. Plan for pork! - and it works too. It's the Hawaii Pork Producers' Association, Ltd., of the Big Island. Hawaii Farm and Home 8 (10): 5, 45. Oct. 1945. 25 H3191  
A cooperative association.

2710 PERAZA, V. M. Nociones generales sobre la crianza del cerdo. Fomento [monthly] 2(21): 22, 25-26. July 1945. 8 F734

2711 PLAGER, C. Inroads to help build a new road. Hormel Farmer 9(2): 8. Oct. 1945. 49 H782  
Summary of first anniversary meeting of the Southern Minnesota Veterinary Medical Society with organizations for swine improvement.

2712 SANDSTEDT, H. Utställningshull - bruks-hull. Lantmannen 29: 873. Sept. 29, 1945. 11 L234  
Weight of swine in connection with exhibitions.

2713 THIEM, G. Super pigs. Successful Farming 43(11): 23, 110, 120-121. Nov. 1945. 6 S12  
Sow testing.

#### ENTOMOLOGY

##### GENERAL

2714 BEAUMONT, J. DE. L'origine et l'évolution des sociétés d'insectes. Rev. Suisse de Zool. 52: 329-338. Aug. 1945. 410 R324

2715 BORGMEIER, T. Twenty-five years of entomological activity and the project of an "Pan-American Entomological Society." Rev. de Ent. 16: 261-267. Aug. 1945. 421 R326

2716 CARSON, H. L. A comparative study of the apical cell of the insect testis. J. Morph. 77: 141-161. Sept. 1945. Ref. 444.8 J826

2717 DIBB, J. R. Nomenclature. Ent. Monthly Mag. 81: 233-236. Oct. 1945. 421 En86

2718 HEADSTROM, R. Living lanterns in the garden. Horticulture 23: 463-464. Oct. 15, 1945. 80 H787

Fireflies, ant lions (Myrmeleontidae), lady beetles (Coccinellidae).

2719 HUDSON, G. V. Notes on the recent collecting season in New Zealand (August, 1944--April, 1945). Ent. Monthly Mag. 81: 230-231. Oct. 1945. 421 En86

2720 JACOBS, S. N. A. Presidents address. Some recent imported insects. So. London Ent. and Nat. Hist. Soc. Proc. and Trans. 1944/1945: 25-30. 1945. 420 So8

2721 MAKHOTIN, A. A. O vzaimootnosheniakh tipov filogeneticheskikh izmeneniy organov [Concerning the mutual relationships of types in phylogenetic organic changes]. Akad. Nauk S. S. R. Inst. Evolyuts. Morf. im. Akad. A. N. Severtsova. Pamflet Akad. Severtsova, 1866-1936. 2(1): 208-261. 1940. 444 Ak1  
German summary, p. 251-261.

2722 NIBLETT, M. Notes on South African insect galls. So. London Ent. and Nat. Hist. Soc. Proc. and Trans. 1944/1945: 67-70. 1945. 420 So8

2723 PARK, O. "Unto one of the least of these." Science 102: 389-390. Oct. 19, 1945. 470 Sc12

Insects vs. man.

2724 RAMALHO, G. R. Sobre um novo capturador para a coleta de pequenos insetos. Arq. de Hig. e Saúde Pú. 7(15): 109-111. May 1942. 449.8 Ar6  
English summary.

2725 STRICKLAND, A. H. A survey of the arthropod soil and litter fauna of some forest reserves and cacao estates in Trinidad, British West Indies. J. Anim. Ecol. 14(1): 1-11. May 1945. 410 J826

2726 WAINWRIGHT, C. J. Further re nomenclature. *Ent. Monthly Mag.* 81: 232-233. Oct. 1945. 421 En86

## GENERAL - ECONOMIC

2727 ALBRECHT, M. M. The use of DDT. *All-Pests Mag.* 16(17): 38. Oct. 1945. 48.8 AL5  
Toxicity to cats.

2728 AMES, A. K. DDT. *Macdonald Col. J.* 6(2): 4, 18. Oct. 1945. 101 M144

2729 ANNAND, P. N. Federal problems. *Calif. Dept. Agr. Spec. P.* 209, p. 31-35, 117-119. 1945. 2 C121S

West. Plant Bd. *Proc. Ann. Conf.* 24th (1942), 25th (1944).

Reports of U. S. Department of Agriculture, Bureau of Entomology and Plant Quarantine on its insect control projects.

2730 B., W. The atomic bomb of the insect world. *Farmer's Weekly [Bloemfontein]* 70: 168-169. Oct. 3, 1945. 25 F225

DDT for control of tsetse-flies (*Glossina pallidipes*), blowflies, ticks, and mosquitoes.

2731 BERNES, J. La conservation des grains dans les magasins. *Prog. Agr. et Vitic.* 114: 235-239. Oct. 20, 1945. 14 P94

Deals mainly with pest control.

2732 BISHOPP, F. C. The medical and public health importance of the insecticide DDT. *N. Y. Acad. Med. B.* 21: 561-580. Nov. 1945. Ref. 448.9 N48

2733 BLAUVELT, W. E. DDT for florist crops; uses are described. *South. Florist & Nurseryman* 58(31): 38. Oct. 26, 1945. 80 So86

Reprint from "Facts for Florists."

2734 BOURNE, A. I. DDT shows promise in recent tests. *Mass. State Col. Ext. Fruit Notes*, Sept. 28, 1945, p. 3, processed. 275.29 M318Fr

2735 BOWEN, C. V. Report on nicotine. *Assoc. Off. Agr. Chem. J.* 28: 579-584. Aug. 15, 1945. 381 As7

2736 BURKE, N. W. DDT deals death to bugs; home-makers can rejoice that this lethal dose means elimination of flies and bedbugs. *West. Farm Life* 47(17): 24, 28. Oct. 15, 1945. 6 R153

2737 BUSHNELL, H. E. DDT - the foe of flies and a potent friend of the dairyman. *West. Dairy J.* 1(12): 13, 51-53. Oct. 1, 1945. 44.8 W524

Used to spray both dairy buildings and cattle.

2738 CAMPBELL, G. A., and WEST, T. F. Mode of action of DDT. *Chem. and Indus.*, No. 42, p. 334-335. Oct. 27, 1945. Ref. 382 M31C

2739 CHANDLER, S. C. Northern Illinois apple insects for 1945. *Ill. State Hort. Soc. Trans.* (1944) 78: 292-295. 1945. 81 IL6

2740 CLAUSSEN, R. T. El frijol de jicamo [*Pachyrhizus erosus*], un nuevo insecticida. *Café de El Salvador* 15: 258-259. June 1945. 68.28 C112

2741 COLEBROOK, M. A., and EITREIM, I. M. Insecticide output grows in United Kingdom and Eire. *Foreign Com. Weekly* 21(2): 13, 46-48. Oct. 6, 1945. 157.54 F763

2742 CUNNINGHAM, G. H. DDT tested as a fruit plant spray; results of research investigations. *Orchardist New Zeal.* 18(9): 11-12. Sept. 5, 1945. 80 Or19

2743 CURRAN, C. H. DDT -- the atomic bomb of the insect world. *Nat. Hist.* 54: 401-405, 432. Nov. 1945. 500 N483J

Refers mainly to experiments at Bear Mountain Park, N. Y., to control mosquitoes, flies, and other pests.

2744 DAVISON, A. L. DDT - toxicology. *Pests* 13(11): 22, 24. Nov. 1945. 449.8 Ex8

2745 DECKER, G. C. 1944 results with DDT. *Ill. State Hort. Soc. Trans.* (1944) 78: 354-359. 1945. 81 IL6

2746 DELMAS, R. Quelques insectes de l'asperge. *Prog. Agr. et Vitic.* 116: 221-224. Nov. 9, 1941. 14 P94

Colored plate.

2747 DENNLER DE LA TOUR, G. El "DDT" y la industria lechera. *Indus. Lechera* 27: 269-272. Apr. 1945. 44.8 In26

2748 DONOVAN, C. G. Report on fluorine compounds. *Assoc. Off. Agr. Chem. J.* 28: 575-578. Aug. 15, 1945. 381 As7

2749 DYRENDAL, S. DDT-preparaten som medel mot ohyra hos djur [The DDT-preparation as a means against parasites of livestock]. *Lantmannen* 29: 611. July 7, 1945. 11 L234

2750 EMERGENCY production of DDT in Canada. *Canad. Chem. and Process Indus.* 29: 680-681. Oct. 1945. 381 C16

2751 FARRAR, M. D., and DECKER, G. C. DDT for greenhouse use. *Florists' Rev.* 97(2500): 43. Oct. 25, 1945. 80 W41

2752 FARRAR, M. D. Orchard experiments with DDT. *Ill. State Hort. Soc. Trans.* (1944) 78: 139-142. 1945. 81 IL6

Discussion, p. 142-152.

2753 FAVARD, P. G. Insectes du chou. *Prog. Agr. et Vitic.* 115: 391-396. June 1, 1941. 14 P94

2754 FLECK, E. E. Report on methods of analysis of DDT. *Assoc. Off. Agr. Chem. J.* 28: 585-589. Aug. 15, 1945. 381 As7

2755 GAMMEXANE [1,2,3,4,5,6 Hexachlorocyclohexane] - a new outstanding insecticide. *Planters' Chron.* 40: 252-253. Aug. 15, 1945. 22 P693  
Reprint from British Trade Journal.

2756 GHILAROV, M. S. Principal properties of injurious insects surviving to field crop-rotation. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 211-214. 1945. 511 P444

Ability to disperse or to change food habits, and thus escape from poor ecological conditions.

2757 GRAHAM, J. J. T. Report on insecticides and fungicides. *Assoc. Off. Agr. Chem. J.* 28: 571-575. Aug. 15, 1945. 381 As7

2758 GRANDORI, R. Esperimenti di lotta contro insetti dannosi mediante cianamide e calciocianamide. *Milan. R. U. B. di Zool. Agr. e Bachicoltura* 10: 43-72. 1940, pub. 1941. Ref. 423.92 B63

2759 GRANDORI, R. Presunta azione insecticida della calciocianamide per asfissia. *Milan. R. U. B. di Zool. Agr. e Bachicoltura* 10: 16-42. 1940, pub. 1941. 423.92 B63

2760 GRAY, H. E. The use of DDT in the control of stored product pests. *Pests* 13(11): 28. Nov. 1945. 449.8 Ex8

2761 GREAT BRITAIN. IMPERIAL INSTITUTE. CONSULTATIVE COMMITTEE ON INSECTICIDE MATERIALS OF VEGETABLE ORIGIN. Quarterly bibliography of insecticide materials of vegetable origin, No. 30 (January to March 1945). *Gt. Brit. Imp. Inst. B.* 43: 101-105. Apr./June 1945. 26 G79

2762 GROGAN, H. L. Factory losses of sugar as a result of borer attack. *Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol.* 1944: 74-77. 65.9 B775

Discussion, p. 75-77.

*Diatraea saccharalis*, *D. canella*, *D. incohati*, *Castnia lica*, and *Rhabdocnemis obscura*.

2763 HALL, A. J. Review of current textile progress. *Amer. Dyestuff Rptr.* 34: 385-388. Sept. 24, 1945. 306.8 Am3

Includes discussion of insectproofing.

2764 HARRISON, J. L. Stored products, and the insects infesting them as examples of the logarithmic series. *Ann. Eugenics* 12: 280-282. Nov. 1945. 442.8 An73



- 2765 HEINEMANN, B. Equipment for disseminating DDT, residual-type, sprays and dusts. *Mil. Surg.* 97: 399-402. Nov. 1945. 448.8 M59
- 2766 JENKINS, C. F. H. Entomological problems of the Ord River irrigation area. *West. Austral. Dept. Agr. J. (ser. 2)* 22: 131-145. June 1945. 23 W52J
- 2767 JENKINS, G. L., and CHRISTIAN, J. E. Time-ly facts about the insecticide DDT. *Ind. Pharm.* 27: 351-356. Oct. 1945. 396.8 In22  
From viewpoint of correct labeling.
- 2768 JOHANSSON, E. Vålj vallutsädet med omsorg; aktuella skadedjur på klöver [Select grass seed with care; pests on clover of current interest]. *Lantmannen* 29: 621-632. July 14, 1945. 11 L234  
Pests include nematodes; *Dasynura leguminicola*; *Apion apricans*.
- 2769 JOHNSON, C. C. DDT in the food processing plant. *Food Mater. and Equip.* 5(10): 5. Oct. 1945. 389.8 F7393
- 2770 JONES, B. D D T; handle with care. *Better Homes and Gard.* 24(3): 10, 101. Nov. 1945. 80 F9424
- 2771 JOUBERT, C. J. Useful insects. *Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser.* 158, 2 n. Pretoria, 1945. 24 So82Pa
- 2772 KELLY, E. G. Suggestions regarding use of DDT on the farm. *Kans. State Col. Ext. Neighborhood Leader*, Nov. 1945, p. 4. 275.29 M13N
- 2773 KNEEN, T. H., and GAYFORD, G. W., comp. Fruit spraying guide for the home gardener. *Victoria. Dept. Agr. J.* 43: 399-402. Sept. 1945. 23 V66J  
For insect pests and diseases of fruits.
- 2774 KOMAROV, M. M. Gorlachi vozdukh dlia desinsektatsii i degazatsii uprlazhi [Hot air for disinfection and degasifying of harness]. *Veterinariia* 22(1): 39-41. Jan. 1945. 41.8 V6426  
Hot air chamber.
- 2775 MCCART, W. H. What is "DDT"? How should it be used. *N. Mex. Stockman* 10(10): 50. Oct. 1945. Oct. 1945. 49 N462
- 2776 MCCLAIN, E. New insecticide [Solvat DD] proves effective. *Beekeepers Item* 29: 386-387. Nov. 1945. 424.8 B397
- 2777 McDONNELL, C. C. Adulteration and misbranding; a review of some of the common mistakes made by manufacturers of insecticides and sanitary products in labeling their products in violation of provisions of the insecticide act of 1910. *Soap and Sanit. Chem.* 21(10): 133, 135, 137, 139. Oct. 1945. 307.3 Sol2  
The second in a series of three articles.
- 2778 MAUREL, P. H., and MATTRAS, H. Les groupements de défense permanente contre les ennemis des cultures de l'Hérault et leur fédération départementale. *Prog. Agr. et Vitic.* 122: 84-86. Mar. 4/11, 1945. 14 P94  
Work of the "Fédération des Groupements de Défense contre les Ennemis des Cultures de l'Hérault" against crop pests and diseases.
- 2779 MEDBERY, E. E. Uses of DDT in bottling plants. *Natl. Bottlers' Gaz.* 64(764): 70, 72-74, 76. Oct. 1945. 390.8 N21
- 2780 MILLER, L. M. What you should know about DDT. *Reader's Digest* 47(283): 84-86. Nov. 1945. 110 R22  
Reprinted from Baltimore Sunday Sun.
- 2781 MILLER, M. W. DDT. New insecticide works wonders for controlling certain insects. *Washcoegg* 23(6): 10, 35. Nov. 1945. 47.8 W27
- 2782 MORETTI, G. Ricerche sulle proprietà insettifughe e insetticide dell'olio di lauro (oli grassi ed essenziali e loro sali alcalini). *Milan. R. U. B. di Zool. Agr. e Bachicoltura* 11: 49-74. 1941/42, pub. 1942. 423.92 B63
- 2783 MOROCCO. BUREAU DE LA DÉFENSE DES VÉGÉTAUX. Protection des semences de céréales, à la ferme, contre les parasites animaux. *Terre Maroc.* 15(189): 7-9. Aug. 1945. 24 T44
- 2784 MORRIS, D. J. Matagorda cows get DDT spraying. *Tex. Livestock J.* 4(10): 20-21. (To be cont.) Oct. 15, 1945. 49 T29
- 2785 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BRANCH. Insect pests. *Agr. Gaz. N. S. Wales* 56: 353-355. Aug. 1, 1945. 23 N472  
Contents: The tomato caterpillar (*Heliothis armigera*), p. 353-354; The vegetable weevil (*Listroderes obliquus*), p. 354-355; The grape-vine moth (*Phalaenoides glycine*), p. 355.
- 2786 ODERKIRK, G. C. Pest control extension course for municipal inspectors. *Ind. State Bd. Health, Monthly B.* 48: 207. Sept. 1945. 449.7 In2M
- 2787 PETERS, C. A. Magnesium spray precipitate. *Mass. State Col. Ext. Fruit Notes*, Sept. 28, 1945, p. 3-4, processed. 275.29 M318Fr
- 2788 PETTY, E. B. Insect notes for May and June. *Ill. Veg. Growers B.* 5(2): 4-6. July 1945. 80 IL69
- 2789 PLANAS GARCÍA, S. Terapéutica vegetal: insecticidas. *Agr. Levantino* 10(114): 22-25. May 15, 1944. 15 Ag85
- 2790 PRUTHI, H. S., and MANI, M. S. Our knowledge of the insect and mite pests of citrus in India and their control. *India. Imp. Council Agr. Res. Sci. Monog.* 16, 42 p. Calcutta, 1945. Ref. 22 Im7S  
Three colored plates.
- 2791 QUACKENBUSH, A. What to expect from DDT. *Flower Grower* 32: 535. Nov. 1945. 80 M72
- 2792 REDD, J. B. Determination of petroleum oil spray deposits on citrus leaves. *Indus. and Engin. Chem., Analyt. Ed.* 17(10): 621-623. Oct. 1945. Ref. 381 J825A
- 2793 REED, W. G. Federal notice on labeling formulations of DDT. *Amer. Pharm. Assoc. J. Pract. Pharm. Ed.* 6: 322-325. Nov. 1945. 396.9 Am33Ja
- 2794 ROBB, T. New insecticide [DDT], must be used with care under right condition. *Wyo. Stockman Farmer and Wyo. Indus. J.* 51(11): 10. Nov. 1945. 6 W992
- 2795 HUFFIN, W. A. New insecticide DDT. *This Month in Rural Ala.*, Nov. 1945, p. 7. 6 T34
- 2796 SCHAFER, K. O. DDT demonstrations. *Ind. State Bd. Health, Monthly B.* 48: 206-207, 224. Sept. 1945. 449.7 In2M  
Against mosquitoes and household insects.
- 2797 SHEWELL-COOPER, W. E. Will D.D.T. be the answer? *Estate Mag.* 45: 270-271. Oct. 1945. 10 Es8  
For garden pests.
- 2798 SLADE, R. E. The  $\gamma$ -isomer of [1,2,3,4,5,6] hexachlorocyclohexane (gammexane); an insecticide with outstanding properties. *Chem. & Indus.* 40: 314-319. Oct. 13, 1945. 382 M31C  
The Hurter Memorial Lecture.
- 2799 SMALLMAN, B. N. Entomological aspects of war-time grain storage. *Miller* 71: 684-687. Oct. 1 1945. 298.8 M61  
*Acarus siro*, *Laemophloeus ferrugineus*, and *Plodia interpunctella*.
- 2800 STEINMETZ, A. Nurserymen's viewpoint on plant quarantines. *Calif. Dept. Agr. Spec. P.* 209, p. 35-36. 1945. 2 Cl21S  
West. Plant Bd. Proc. 24th Ann. Conf., 1942.
- 2801 STRICKER, M. H. D.D.T. - N. J. Experiment Station headache. *West. Canada Beekeeper* 8(11): 7. Nov. 1945. 424.8 W525
- 2802 STUCKEY, H. P. Farm front uses of DDT. *South. Agr.* 75(10): 35. Oct. 1945. 6 So83

- 2803 SUMMERFORD, W. T. A synthesis of DDT. Amer. Pharm. Assoc. J. Sci. Ed. 34: 259. Oct. 1945. 396.9 Am33J  
New method of preparing DDT.
- 2804 TISSOT, A. N. DDT comes in four forms for varying uses. South. Florist & Nurseryman 58(31): 11. Oct. 26, 1945. 80 So86  
Reprint from "Florida Garden Clubs."
- 2805 TRIMBLE BROS. DDT amazes Jerseyman. Breeder's Gaz. 110(5): 16-17. Oct. 1945. 49 B74
- 2806 TWINN, C. R. A summary of insect conditions of importance or special interest in Canada in 1944. Ent. Soc. Ontario. Ann. Rpt. (1944) 75: 45-49. 1945. 420 On8
- 2807 THE USE OF DDT and 666 *cf.* e. 1,2,3,4,5,6, Hexachlorocyclohexane, as insecticides against grain pests. I-II. J. Sci. and Indus. Res. 4: 73-79. Aug. 1945. 475 JB2  
From the Ordnance Laboratories, Cawnpore.  
Contents: I. Incorporation of DDT and 666 in wall washes; II. Effect of lime on DDT when incorporated in lime wash.
- 2808 VAN KLEECK, L. W. The use of DDT as an insecticide. Comm. Health B. 59: 231-237. Oct. 1945. 449.7 C76C
- 2809 VAYSSIÈRE, P. Taxation et qualité. Acad. d'Agr. de France. Compt. Rend. 30: 105-107. Feb. 9/16, 1944. 14 P215Bc  
Discusses stored product pests in relation to Government levies.
- 2810 WEAN, R. E. Unusual amount of interest in labels. Pests 13(11): 9-10, 12. Nov. 1945. 449.8 Ex8  
Discussion and examples of proper labels for DDT products.
- 2811 WENTZEL, N. B. War-time terminal inspection problems. Calif. Dept. Agr. Spec. P. 209, p. 113-116. 1945. 2 C121S  
West. Plant Bd. Proc. 25th Ann. Conf., 1944.  
Role of Post Office Department.
- 2812 WESTCOTT, C. Here are your garden enemies... life stories of insect pests and how to beat them. Home Gard. 6(4): 45-53. Oct. 1945. 80 H756
- 2813 WHITFIELD, F. G. S. La lutte contre les insectes dans les aéronefs. Nécessité des recherches sur cette question. Off. Internat. d'Hyg. Pub. B. Mens. 33: 288-297. May/June 1941. 449.75 Of2
- 2814 WOOD, F. C. Some pests of alpine plants. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 110. June 1944. 84 AL6
- APICULTURE AND APIS MELLIFERA**
- 2815 AUBIN, J. Comment les abeilles engendrent la chaleur. Gaz. Apic. 43: 120-121. Aug. 1942. 424.8 G25
- 2816 B., C. G. Is sugar bad for bees? Countryman 32(1): 129. Autumn 1945. 281.28 C832
- 2817 BALDENSBERGER, P. J. L'abeille rhodanienne et la ruche pastorale. Soc. d'Apic. des Alpes-Maritimes B. 20: 14-15. Jan./Mar. 1941. 424.9 Sol5  
Signed with pseudonym, Abou-N-Nahel.
- 2818 BALDENSBERGER, P. J. L'abeille rhodanienne; son origine. Soc. d'Apic. des Alpes-Maritimes B. 19: 107-112. Apr./June 1940. 424.9 Sol5  
Exposé au XII Congrès International d'Apiculture à Zürich (Suisse) le 8 Août 1939.
- 2819 BALDENSBERGER, P. J. La kaleidoscope en apiculture. Soc. d'Apic. des Alpes-Maritimes B. 20: 44-48. July/Sept. 1941. 424.9 Sol5  
Signed with pseudonym, Père Baldens.  
Historical account.
- 2820 BALDENSBERGER, P. J. La parthénogénèse; la pureté des races. Soc. d'Apic. des Alpes-Maritimes B. 19: 97-99. Apr./June 1940. 424.9 Sol5
- 2821 BALDENSBERGER, P. J. La ruche pastorale Baldens. Soc. d'Apic. des Alpes-Maritimes B. 20: 29-32. Apr./June 1941. 424.9 Sol5  
Signed with pseudonym, Abou N. Nahel.
- 2822 BARTHÉLÉMY, L. Ruche chauffée. Gaz. Apic. 43: 158. Oct. 1942. 424.8 G25
- 2823 BERNÈS, J. L'élevage des abeilles; quelques conseils pour les débutants en apiculture. Prog. Agr. et Vitic. 114: 247-249. Oct. 20, 1940. 14 P94
- 2824 BERNÈS, J. Les ennemis des abeilles. Prog. Agr. et Vitic. 115: 106-108. Feb. 9, 1941. 14 P94.
- 2825 BERNÈS, J. Les maladies des abeilles. Prog. Agr. et Vitic. 115: 408-412. June 8, 1941. 14 P94
- 2826 BERNETT, A. W. Sulfathiazole gets a try-out. Beekeepers Mag. 8(4): 9-11. Nov. 1945. 424.8 M58  
Treatment for American foulbrood.
- 2827 BLAIR, L. Migrating bees. West. Austral. Dept. Agr. J. (ser. 2) 22: 145-147. June 1945. 23 W52J
- 2828 BOERIO, J. DE. Un rucher école dans un camp de prisonniers. Gaz. Apic. 43: 109-112. July 1942. 424.8 G25
- 2829 BOUCHEZ, P. A propos de la modification de la ruche de Layens. Apiculteur 85: 134-136. Sept. 1941. 424.8 Ap3
- 2830 BOUCHEZ, P. Matériel simplifié. Apiculteur 85: 146-148. Oct. 1941. 424.8 Ap3  
Apicultural equipment, especially frames.
- 2831 BRAMWELL, J. F. The British beekeeper. Bee Craft 11: 127-128. Oct. 1945. 424.8 B3991  
Advocates an official publication of the British Beekeepers Association.
- 2832 BRAUN, E. Manitoba honey yields vary. West. Canada Beekeeper 8(11): 8. Nov. 1945. 424.8 W525
- 2833 BRÉTÓN Y NEWHALL, O. S. Curiosidades de las abejas. Campo de Méx. 1(3): 6. Oct. 16, 1945. 8 C155
- 2834 BROWN, A. C. Coming to Florida? Please - be careful! Amer. Bee J. 85: 398, 406. Nov. 1945. 424.8 Am3  
Certificate must be furnished that bees are free from American foulbrood.
- 2835 BRÜGGER, A. Der totenkopfschmetterling, Acherontia atropos L. Schweiz. Bienen Ztg. 68: 464-466. Nov. 1945. 424.8 Sch9
- 2836 BRÜNNICH, F. Zum ernsterbericht pro 1945. Schweiz. Bienen Ztg. 68: 454-455. Nov. 1945. 424.8 Sch9
- 2837 BRYAN-BROWN, A. N. Bees and Virgil. Bee World 26: 85-86. Nov. 1945. 424.8 B399  
Virgil's Fourth Georgic from the standpoint of the beekeeper.
- 2838 CABO DE VILA PARODI, L. Organos maravillosos de las abejas: las antenas. Mundo Avic. 8 (91): 30-32. Sept. 1945. 47.8 M92
- 2839 CANNON, H. S. Queenswill. Brit. Bee J. 73: 273-275. Oct. 11, 1945. 424.8 B77  
Egg-laying behavior.
- 2840 CASTILLO CALERO, A. Los fundamentos de la apicultura lucrativa. Fomento [monthly] 2(21): 10, 21. July 1945. 8 F734
- 2841 CAVALLIER, J. Instinct ou intelligence des abeilles. Gaz. Apic. 43: 122-123. Aug. 1942. 424.8 G25  
Behavior of the honeybee in gathering propolis.
- 2842 CHAGAVAT. Les piqures d'abeilles. Apiculteur 85: 137-138. Sept. 1941. 424.8 Ap3
- 2843 CHARBONNEAU-LASSAY, L. L'abeille et l'iconographie emblématique. Gaz. Apic. 43: 106-108, 124-126. July, Aug. 1942. 424.8 G25



- 2844 CHERCUITE, V. L'apiculture et l'est de Québec. Terre de Chez Nous 18(6): 10, 24. Nov. 7, 1945. 7 T27
- 2845 CHOUREAU, E. Comment il faut protéger ses rayons contre la fausse-teigne. Apiculteur 85: 118-120. Aug. 1941. 424.8 Ap3
- 2846 CHOUREAU, E. Réponse à la question: Quel est le meilleur couvre-cadres? Apiculteur 85: 104-106. July 1941. 424.8 Ap3
- 2847 CLAY, H. J. Bee equipment now available. Beekeepers Item 29: 310. Sept. 1945. 424.8 B397  
War Production Board relaxes priority regulations.
- 2848 CLERC, L. Contre les piqures à caractère grave. Apiculteur 85: 139. Sept. 1941. 424.8 Ap3
- 2849 COFFEY, H. E. H. B. Parks and Texas beekeeping. Beekeepers Item 29: 304-305. Sept. 1945. 424.8 B397
- 2850 DEBRENNE. Observations sur le vol nuptial. Apiculteur 85: 150. Oct. 1941. 424.8 Ap3
- 2851 DESMAREST. Dix ans de la vie d'un rucher dans le Pas-de-Calais. Apiculteur 85: 33-37. Mar. 1941. 424.8 Ap3
- 2852 DEVAUCHELLE. Chantier-support. Apiculteur 85: 90-92. June 1941. 424.8 Ap3
- 2853 DURLET. L'emploi du venin d'abeille dans le traitement du rhumatisme. Gaz. Apic. 43: 183. Dec. 1942. 424.8 G25
- 2854 EAST, MRS. L. M. Beekeeping for ex-service boys and girls. West. Canada Beekeeper 8(11): 6. Nov. 1945. 424.8 W525
- 2855 FAMOUS beekeepers of bygone days. By Gubesh. Farmer (Pietermaritzburg) 34(39): 14, 20. Sept. 28, 1945. 24 F227
- 2856 FASBENDER, W. Untersuchungen über die natur des bienengiftes mittels der quecksilber-tropfkathode. Biochem. Z. 317: 246-255. 1944. 384 B522
- 2857 FEEDHAM, W. C. Squamish gentle bees. West. Canada Beekeeper 8(11): 3. Nov. 1945. 424.8 W525
- 2858 FONDIMARE, G. Ruches à cadres en paille. Apiculteur 85: 100-102. July 1941. 424.8 Ap3
- 2859 FOURIER, E. Petite histoire avico-apicole. Apiculteur 85: 148-150. Oct. 1941. 424.8 Ap3  
Black chickens invading bee yard were attacked and killed, while white chickens were unharmed.
- 2860 FRANÇOIS, F. Cire armée. Apiculteur 85: 50-53. Apr. 1941. 424.8 Ap3  
Discusses comb foundation.
- 2861 GAMBLE, R. Beekeeping in Britain. Gleanings Bee Cult. 73: 449-451. Nov. 1945. 424.8 G47
- 2862 GAMBLE, R. Starting with bees? Keep to bare necessities; preferable the equipment should be new. Smallholder 74(1857): 18. Oct. 19, 1945. 10 Sml
- 2863 GAMBLE, R. Take care of apiary appliances - they're hard to replace. Smallholder 74(1855): 18. Oct. 5, 1945. 10 Sml
- 2864 GANOPOLSKY, D. Expert makes bees produce vitaminized and medicinal honey. Agr. Com. Amer.-Soviet Friendship. Release 41, p. 1. Oct. 15, 1945. 20 Ag89  
Same text in Beekeepers Item 29: 389, 391-392. Nov. 1945. 424.8 B397
- 2865 GAUTHIER, R. Piqures à caractère grave. Apiculteur 85: 99-100. July 1941. 424.8 Ap3
- 2866 GAUTHIER, R. Quel est le meilleur couvre-cadres? Apiculteur 85: 72-74. May 1941. 424.8 Ap3
- 2867 GAY, A. Arkansas beekeeping regulations. Beekeepers Item 29: 385-386. Nov. 1945. 424.8 B397
- 2868 GAYET, L. Comment nourrir les abeilles avec du sucre en morceaux. Abeille Bourguign. 57: 351. Nov. 1941. 424.8 Ab33
- 2869 GIRARD-CLOS, A. Charlatanisme? Apiculteur 85: 171-173. Nov. 1941. 424.8 Ap3  
Popular articles which fail to stress basic knowledge required arouse false expectations in beginners.
- 2870 GIRAUD, E. L'étouffage des abeilles. Apiculteur 85: 182-184. Dec. 1941. 424.8 Ap3  
Recommends use of movable frame hives.
- 2871 GOLDSMITH, G. G. Bee-keeping in Stalag 383, Germany. Bee Craft 27: 80. Oct. 1945. 424.8 B3925
- 2872 GREGG, A. L. A short talk on bee stings. Beekeeping 11: 121. Oct. 1945. 424.8 B3991
- 2873 GRIMMOND, D. Beekeeping in Norway. Scot. Beekeeper 21: 132. Oct. 1945. 424.8 Sco8
- 2874 HAHN, T. How to produce honey. Kans. Farmer 82(22): 10. Nov. 17, 1945. 6 K13  
Helpful hints on apiculture.
- 2875 HAVE you heard of honey for health? By Gubesh. Farmer (Pietermaritzburg) 34(37): 17. Sept. 14, 1945. 24 F227
- 2876 HAY, J. A. Bees do steal eggs. Australasian Beekeeper 47: 66. Sept. 15, 1945. 424.8 Au72
- 2877 HAYDAK, M. H. The language of the honeybees. Organic Gard. 7(6): 13-15. Nov. 1945. 56.8 Or3
- 2878 HYLE, D. F. DDT has a Jekyll-Hyde complex. Hardware and Farm Equip. 50(9): 8, 11. Sept. 1945. 58.8 H222  
Kills plant pests but also poisons bees.
- 2879 JESSUP, J. G. Pollen for building colonies. Beekeepers Item 29: 387-388. Nov. 1945. 424.8 B397
- 2880 KAINS, M. G. Growth of beekeeping knowledge. Beekeepers Item 29: 313-314. Sept. 1945. 424.8 B397  
Development of beekeeping in America.
- 2881 KELLOGG, C. R. Conocimientos basicos para la apicultura - la colmena. Mex. Ofic. Fitosanit. Fitófilo 4: 104-110, processed. (To be cont.) Mar./Apr. 1945. 421 F55
- 2882 KENNEDY, J. Using sulphur to destroy bees. West. Canada Beekeeper 8(11): 15. Nov. 1945. 424.8 W525
- 2883 KOBEL, F. Schädigung von trauben durch bienen. Schweiz. Bienen Ztg. 68: 463. Nov. 1945. 424.8 Sch9
- 2884 KOVALENKO, C. La pourriture maligne du couvain des abeilles (loque américaine); conclusions de la récente thèse. Gaz. Apic. 43: 180-181. Dec. 1942. 424.8 G25
- 2885 LAVALLEE. Comment protéger nos rayons contre la fausse-teigne? Apiculteur 85: 71-72. May 1941. 424.8 Ap3
- 2886 LAVALLEE, M. Récolte simplifiée de la ruche à calotte. Apiculteur 85: 117-118. Aug. 1941. 424.8 Ap3
- 2887 LEFÈVRE, G. Contre les piverts. Apiculteur 85: 185. Dec. 1941. 424.8 Ap3
- 2888 LESTOURGEON, E. G. A Canadian experiment. Beekeepers Item 29: 374. Nov. 1945. 424.8 B397  
Queen breeding on Pelee Island, Ontario.
- 2889 MACDONALD, D. W. Beekeepers meet at Montreal; honey experts from western Canada and Ontario gather in Quebec for the first time. Family Herald and Weekly Star 76(47): 6, 9. Nov. 21, 1945. 7 F21
- 2890 MANLEY, R. O. B. Spacing of combs. Scot. Beekeeper 21: 129. Oct. 1945. 424.8 Sco8
- 2891 MARSEL, A. Le miel et la cire. Monit. de l'Aliment. 39(372): 13-15. July 1945. 389.8 M74  
Some fundamentals of apiculture.

- 2892 MARTIN, R. L'apiculture dans les Pyrénées. Féd. Pyrén. d'Econ. Montagn. Ann. (1942/43) 10: 32-38. 1944. 280.9 F312
- 2893 MARZORATI, O. Los verdaderos destructores de la fruta; una nota de apicultura. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 352. Sept. 6, 1945. 9.9 G15B  
Bees not injurious to fruit or fruit trees.
- 2894 MAZARS, P. Le symbolisme de l'abeille. Gaz. Apic. 43: 189-190. Dec. 1942. 424.8 G25  
Ethical concepts associated with the honeybee.
- 2895 MESNARD, L. Exploitation d'un petit rucher moderne. Apiculteur 85: 92-93. June 1941. 424.8 Ap3
- 2896 MESNARD, L. Les sources de chaleur dans la ruche. Apiculteur 85: 152-154. Oct. 1941. 424.8 Ap3
- 2897 MEZIÈRES, P. J. Rénovation de l'apiculture. Gaz. Apic. 43: 139-140, 179. Sept., Dec. 1942. 424.8 G25
- 2898 MILLER, R. N. Beekeeping "is the most interesting of all farming operations." Oreg. Farmer 68: 607, 620. Nov. 15, 1945. 6 Or32  
Activities of honeybees.
- 2899 MORGAN, F. L. No time to relax. Austral. Bee J. 26: 148-149. Oct. 1945. 424.8 V66  
Postwar problems in beekeeping.
- 2900 NACHER, E. Las abejas y su rendimiento. Campo y Arado 1(5): 15, 28. Aug. 1945. 9 G152  
As pollinators.
- 2901 NICOL, H. Les abeilles sous le cercle arctique. Apiculteur 85: 57. Apr. 1941. 424.8 Ap3
- 2902 NOLAN, J. W. Études sur la ponte. Soc. d'Apic. des Alpes-Maritimes R. 20: 15-16. Jan./Mar. 1941. 424.9 Sol5
- 2903 ORIENTATION and all that. How does a bee find his or her way home? Beekeeping 11: 124-127. Oct. 1945. 424.8 B3991
- 2904 ORR, L. E. Bureaucrats say millennium has come, but strangers' bees still rob my bee pasture. Beekeepers Item 29: 303-304. Sept. 1945. 424.8 B397  
Comments on postwar beekeeping.
- 2905 ORR, L. E. DDT, insect pests and the balance of nature. Beekeepers Item 29: 373-374. Nov. 1945. 424.8 B397  
Effect of insecticides on beekeeping.
- 2906 ORTIZ GARMENDIA, J. Una de las causas de mortandad en las abejas. Agr. del Norte 28(1): 17-18. Jan. 1944. 9.3 Sol4  
Arsenical poisoning.
- 2907 PAGLIANO, T. Les piqûres d'abeilles. Gaz. Apic. 43: 167. Nov. 1942. 424.8 G25
- 2908 PASQUIER, P. La meilleure race d'abeilles? Gaz. Apic. 43: 166. Nov. 1942. 424.8 G25
- 2909 PATERSON, C. R. Home-made hive equipment. New Zeal. Dept. Agr. B. 247: 10-12. 1945? 23 N48Bu
- 2910 PERNOT, C. Quel est le meilleur couvre cadres? Apiculteur 85: 167-168. Nov. 1941. 424.8 Ap3
- 2911 PETERSON, H. R. Value of honeybee in pollinating crops. Amer. Bee J. 85: 403. Nov. 1945. 424.8 Am3
- 2912 PHISALIX, M. De l'opportunité de l'emploi des sérums antitoxiques dans le traitement immédiat des piqûres multiples d'abeilles [Apis mellifera] et autres hyménoptères. Rev. de Path. Compar. 41: 519-524. Dec. 1941. 448.8 R326  
Discussion, p. 523-524.
- 2913 POLLEY, G. Fighting [American] foulbrood with resistant stock and sulfathiazole. Amer. Bee J. 85: 391. Nov. 1945. 424.8 Am3
- 2914 PURSER, H. Beekeepers meet at Ottawa. Family Herald and Weekly Star 76(45): 6. Nov. 7, 1945. 7 F21  
Ottawa Valley Beekeepers Association.
- 2915 RAMÍREZ G., M. Orlando Munoz, fundador de la escuela de apicultura de Costa Rica. Agr. Costarricense 3: 304. July 1945. 8 Ag895
- 2916 REQUIER, M. Le tournesol est-il mellifère? Gaz. Apic. 43: 159. Oct. 1942. 424.8 G25
- 2917 REYNOLDS, G. F. Why I have bees. Amer. Farm Youth 11(5): 28. Oct. 1945. 6 Am393
- 2918 RICHARD, A. Sur le volume des ruches. Apiculteur 85: 58. Apr. 1941. 424.8 Ap3
- 2919 RICHARDEAU, M. Dimensions et capacité des ruches. Apiculteur 85: 107-108. July 1941. 424.8 Ap3
- 2920 RICHARDEAU, M. Transport des oeufs par les ouvrières. Apiculteur 85: 140-141. Sept. 1941. 424.8 Ap3
- 2921 ROBINSON, E. Using cyanogas to kill bees. West. Canada Beekeeper 8(11): 12. Nov. 1945. 424.8 W525
- 2922 ROOT, E. R. Eighty years among the bees. Gleanings Bee Cult. 73: 461. (Cont.) Nov. 1945. 424.8 G47
- 2923 ROUSSY, L. Anatomie comparée de l'abeille ouvrière; le poussoir à pollen. Gaz. Apic. 43: 178. Dec. 1942. 424.8 G25
- 2924 ROUSSY, L. Auto-défense des abeilles. Gaz. Apic. 43: 130-133. Sept. 1942. 424.8 G25  
Enemies of bees.
- 2925 ROUSSY, L. Faune des ruches; parasite des matières sucrées lépisme (Linné) Lepisma saccharina. Gaz. Apic. 43: 114. Aug. 1942. 424.8 G25
- 2926 ROUSSY, L. Parasites occasionnels de l'abeille; les grégairines. Gaz. Apic. 43: 98-99. July 1942. 424.8 G25
- 2927 RUIZ, J. R. Características de nuestras zonas apícolas. Argentina. Min. de Agr. Almanaque (1945) 20: 221-224. 9 Ag874
- 2928 SCHMIDL-TRÜCHSEL, Le miel; précieux auxiliaire du maintien de la santé et antidote de la grippe. Gaz. Apic. 43: 170-171, 165. Nov. 1942. 424.8 G25
- 2929 SHEARWOOD, G. E. Stopping the ants. West. Canada Beekeeper 8(11): 8, 11. Nov. 1945. 424.8 W525  
Method of protecting colonies of honeybees.
- 2930 STINE, J. W. The fanner bee. Beekeepers Item 29: 315-316. Sept. 1945. 424.8 B397
- 2931 TARDY, P. Consanguinité. Apiculteur 85: 163-166. Nov. 1941. 424.8 Ap3
- 2932 TARDY, P. Ruchette "couveuse" Pierre Tardy pour transport de cadres d'élevage. Apiculteur 85: 132-134. Sept. 1941. 424.8 Ap3
- 2933 VALOT, A. Le miel de feuilles. Apiculteur 85: 68-70. May 1941. 424.8 Ap3  
Honeybees gather honeydew.
- 2934 VANSSELL, G. H. Some facts about the nectar and pollen sources in the West. Amer. Bee J. 85: 396, 400. Nov. 1945. 424.8 Am3  
Factors that influence honeybee visitation.
- 2935 VOMSATTEL, M. Trachtverhältnisse in berglagen. Schweiz. Bienen Ztg. 68: 461-463. Nov. 1945. 424.8 Sch9
- 2936 WALKER, C. R. At what temperature will bees fly? Gleanings Bee Cult. 73: 452-453. Nov. 1945. 424.8 G47
- 2937 WEAVER, H. E. To eliminate wax moth from stored combs. Bee Craft 27: 79. Oct. 1945. 424.8 B3925
- 2938 WERTHEIN, I. El porvenir de la apicultura en la República Argentina. Rev. Mens. B. A. P. 28 (334): 49-51. Sept. 1945. 9 R326



2939 WILLIAMS, M. D. Honey-bees are essential to farm prosperity. Farmers Guide 101(22): 7. Nov. 15, 1945. 6 In2

As pollinators.

2940 WINTER, T. S. Beekeeping; how and when to establish a domestic apiary. New Zeal. Dept. Agr. B. 247: 1-9. 1945? 23 M48Bu

2941 WORTH, A. British bee-keeping and its future. Bee Craft 27: 78. Oct. 1945. 424.8 B3925

#### Colony Management

2942 ALLEN, P. M. The art of beekeeping. Bio-Dynamics 4(1): 12-18. Autumn 1945. 56.8 B52  
Fundamentals of colony management.

2943 APPERL, Curieux incident de remèrage. Apiculteur 85: 166-167. Nov. 1941. 424.8 Ap3  
Introduction of queen.

2944 BASTIDE, L. DE LA. Les abeilles envoient-elles des avant-gardes avant d'essaimer? Gaz. Apic. 43: 156-157. Oct. 1942. 424.8 G25

2945 BOUCHEZ, P. Réunions d'automne. Apiculteur 85: 168-171. Nov. 1941. 424.8 Ap3

2946 CADI. Blocage et restriction de la ponte pendant la grande miellée. Apiculteur 85: 87-89. June 1941. 424.8 Ap3

2947 CHEVRIER, L. Un essaim phénoménal. Apiculteur 85: 116-117. Aug. 1941. 424.8 Ap3

2948 COLLINS, T. Wintering in Nationals. Bee Craft 27: 80-81. Oct. 1945. 424.8 B3925  
Bees in National bee hive.

2949 DABBOUR. Pillardes et acresseuses. Soc. d'Apic. des Alpes-Maritimes B. 20: 39-40. July/Sept. 1941. 424.9 Sol5

2950 DEYELL, M. J. Carrying vs. hauling bees to cellar. Gleanings Bee Cult. 73: 462. Nov. 1945. 424.8 G47

2951 DEYELL, M. J. Packing bees for winter. Gleanings Bee Cult. 73: 458-460. Nov. 1945. 424.8 G47

2952 DRESDEN, C. O. Balling of queen. Beekeepers Item 29: 312-313. Sept. 1945. 424.8 B397

2953 DUNHAM, W. E. Get the bees ready for winter. Farm and Dairy [Salem] 32(6, 1. e. 9): 3. Nov. 9, 1945. 6 F2279

2954 FRANÇOIS, R. Activité d'un essaim devenu orphelin. Apiculteur 85: 66-68. May 1941. 424.8 Ap3

2955 GAMBLE, R. Healthy wintering for the hives; the most effective method of packing-up. Smallholder 73(1854): 18. Sept. 28, 1945. 10 Sml

2956 GIRAUD, E. Production d'essaims; méthode déféctueuse. Apiculteur 85: 55-56. Apr. 1941. 424.8 Ap3

2957 GOODERHAM, C. B. Le rucher; aide-memoire No. 7. Abeille et l'Erable 14: 117-118. Oct. 1945. 424.8 Ab32

Preparation of colonies for winter.

2958 JOHNSTON, M. G. Fall feeding to save bees. Family Herald and Weekly Star 76(42): 6. Oct. 17, 1945. 7 F21

2959 LANGLEY, C. G. To pack or not to pack. Amer. Bee J. 85: 392, 415. Nov. 1945. 424.8 Am3

2960 MCKNIGHT, C. T. Second thoughts. Beekeepers Item 29: 312. Sept. 1945. 424.8 B397  
Package bees and supersedure.

2961 MÉDICI, M. Colonias zanganeras y obreras ponedoras. Pampa Argentina 19(216): 14, 34. Aug. 1945. 9 P19

2962 MÉDICI, M. Como se abre y manipula una colmena. Suelo Argentino 4: 508, 531. Aug. 1945. 9 Su2

2963 MÉDICI, M. Formación de núcleos de abejas. Agrario 10(366): 9. Aug. 16, 1945. 9.3 Ag85

2964 MÉDICI, M. El pillaje entre las abejas. Argentina. Min. de Agr. Almanaque (1945) 20: 168. 9 Ag874

2965 MÉDICI, M. Procedimiento para seleccionar reinas. Agrario 10(365): 28. July 31, 1945. 9.3 Ag85

2966 MILLER, E. S. Inside and outside wintering. Gleanings Bee Cult. 73: 463. Nov. 1945. 424.8 G47

2967 MORISON, D. L. Points in spring management in the apiary. Agr. Gaz. N. S. Wales 56: 367-369. Aug. 1, 1945. 23 N472

2968 NEWELL, R. E. Making winter supplies accessible. Beekeepers Item 29: 375-376. Nov. 1945. 424.8 B397

2969 NEWELL, R. E. The upper flight hole; its importance in good wintering. Gleanings Bee Cult. 73: 456, 483. Nov. 1945. 424.8 G47

2970 PRIEUR, P. La permutation des ruches. Abeille Bourguign. 57: 325-328. July 1941. 424.8 Ab33

In colony management.

2971 ROBINSON, E. C. Essential requirements for productive colonies. Beekeepers Item 29: 316-318. Sept. 1945. 424.8 B397

2972 STARKEY, J. E. Laying workers and drone laying queens. Beekeepers Item 29: 296-297. Sept. 1945. 424.8 B397

2973 TARDY, P. Méthode détaillée du tapotement des ruches. Apiculteur 85: 82-86. June 1941. 424.8 Ap3

2974 TONTZ, C. Controlling robber bees. Beekeepers Item 29: 300-301. Sept. 1945. 424.8 B397

See also Honey and Beeswax in Agricultural Products section.

#### ARACHNIDA, MYRIPODA, ETC.

2975 ARCANGELI, A. Isopodi [Isopoda] terrestri dell'Africa Orientale Italiana. Riv. di Biol. Colon. 3: 381-385. Oct. 1940. 442.8 R522  
Includes Periscyphis jannoni n. sp.

2976 BLAKE, F. G., and others. Tsutsugamushi disease (scrub typhus, mite-borne typhus) in New Guinea. Amer. J. Pub. Health 35: 1121-1130. Nov. 1945. Ref. 449.9 Am3J  
K. F. Maxcy, J. F. Sadusk, G. M. Kohls, and E. J. Bell, joint authors.  
Rickettsia orientalis identified as etiologic agent and Trombicula fletcheri discussed as the vector.

2977 BOERO, J. J. Los Ixodidae [Ixodidae] de la República Argentina. Rev. de Med. Vet. [Buenos Aires] 27(1/2): 1-10. Jan./Feb. 1945. 41.8 B86

2978 BONELLI, G. Infestazione da Tunga penetrans nei suini nel Sidamo. Riv. di Biol. Colon. 3: 219-222. June 1940. 442.8 R522  
French, English, and German summaries.

2979 CHAMBERLIN, R. V., and IVIE, W. Some eri-gonid spiders of the genera Eulaira and Diplocentria. Utah U. B., v. 36, No. 2, 19 p. Oct. 20, 1945. (Biol. Ser., v. 9, No. 2.) 442.8 Utl  
New spp. and forms: Eulaira 4; Diplocentria.

2980 CHERKASSKIĬ, E. C. Terapiya i profilaktika chesotki i gemosporidiozov s.-kh. zhivotnykh preparatami piretruma [Therapy and prophylaxis of mange and Haemosporidia of agricultural animals with preparations of pyrethrum]. Veterinarifa 22(1): 24-27. Jan. 1945. 41.8 V6426

For control of mites and ticks.

- 2981 FIORDA, H. "Sarna oculta" de los lanares, nueva forma clínica de sarna ovina. Argentina. Min. de Agr. Almanaque (1945) 20: 371-377. 9 Ag874  
Caused by *Psoroptes ovis*.
- 2982 FOLEY, H. Un scorpion nouveau pour le Sahara algérien, *Buthus* (*Buthus*) quinquestratus (Hemprich et Ehrenberg, 1829). Inst. Pasteur d'Algérie. Arch. 22: 267-270. Dec. 1944. 448.3 In7A
- 2983 FORSSLUND, K. H. Schwedische arten der gattung Suctobelba Paoli (acar, orbatei). Uppsala U. Zool. Bidr. 20: 381-396. 1941. 410 Up6  
Includes 7 n. spp. and a new name.
- 2984 FORSTER, R. R. The genus *Megalopsalis* Roever in New Zealand with keys to the New Zealand genera of Opiliones (i. e. Phalangida). New Zeal. Dominion Mus. Rec. 1: 183-192. 1944. Natl. Mus. Libr.  
Includes 7 n. spp. and forms in *Megalopsalis*.
- 2985 GRANDJEAN, F. Certaines tracéées des acariens ont-elles une origine néphridiale? Soc. de Phys. et d'Hist. Nat. Genève. Compt. Rend. 61: 167-171. Apr./July 1944. 508 G28C
- 2986 GRANDJEAN, F. Les "taenidies" des acariens. Soc. de Phys. et d'Hist. Nat. Genève. Compt. Rend. 61: 142-146. Apr./July 1944. 508 G28C
- 2987 GRASSET, E., SCHAAFSMA, A., and HODGSON, J. A. Immunological studies on scorpions. J. Immunol. 51: 231-248. Oct. 1945. 448.8 J8232  
Bacterial toxins injected into *Hadogenes*, *Opisthophthalmus*, and *Parabuthus*.
- 2988 GRIFFITHS, J. T., JR. A scrub typhus (tsutsugamushi) outbreak in Dutch New Guinea. J. Parasitol. 31: 341-350. Oct. 1945. 448.8 J824  
Vectors are rats and mites.
- 2989 HOLM, Å. Studien über die entwicklung und entwicklungsbiologie der spinnen. Uppsala U. Zool. Bidr. 19: 1-214. 1940. Ref. 410 Up6
- 2990 HOLM, Å. Über gynandromorphismus und intersexualität bei den spinnen. Uppsala U. Zool. Bidr. 20: 397-414. 1941. Ref. 410 Up6
- 2991 JOAN, T. Sarna de la oveja; distribución geográfica de la sarna psoroptica en el país. Suelo Argentino 4: 490-492, 536, 552-553, 575. (Cont.) Aug., Sept. 1945. 9 Su2  
Caused by *Psoroptes ovis*.
- 2992 LAWRENCE, R. F. A new parasitic mite [*Schizocoptes conjugatus* n. g., n. sp.] from the golden mole. London. Zool. Soc. Proc. 114: 302-306. Dec. 1944. 410.9 L84F
- 2993 LUNDEBLAD, O. Eine übersicht des hydrachnellensystems (Hydrachnoidea) und der bis jetzt bekannten verbreitung des gattungen dieser gruppe. Uppsala U. Zool. Bidr. 20: 359-379. 1941. 410 Up6
- 2994 MANTON, S. M. South African Onychophora. Nature [London] 156: 338. Sept. 15, 1945. 472 N21
- 2995 MILLER, S. S. The brown dog tick [*Rhipicephalus sanguineus*], with special reference to its control and eradication. North Amer. Vet. 26: 669-671. Nov. 1945. 41.8 N812
- 2996 MORIGGI, M. Gli scorpioni dell'Africa Orientale Italiana. Riv. di Biol. Colon. 4: 77-103. Apr. 1941. Ref. 442.8 B522
- 2997 MORIGGI, M. Le solpughe (Solpugida) dell'Africa Orientale Italiana. Riv. di Biol. Colon. 4: 273-291. Dec. 1941. Ref. 442.8 B522
- 2998 MUTH, O. H. Tick paralysis in beef cattle due to *Dermacentor andersoni* (i. e. *venustus*). North Amer. Vet. 26: 668. Nov. 1945. 41.8 N812
- 2999 LA POLILLA del queso [*Tyrophagus longior*]. Campo y Arado 1(5): 23. (To be cont.) Aug. 1945. 9 C152
- 3000 PONTING, C. The cobweb moth. Amateur Photog. 95: 699-700. Oct. 17, 1945. 332.8 Aml2  
Spiders' webs as photographic subjects.
- 3001 RAPALLO ABAD, J. La arañuela de la alfalfa (*Tetranychus telarius*). Agr. Levantino 11(125): 19. Apr. 1945. 15 Ag85
- 3002 SERGENT, E. Sérothérapie antiscorpionique. (Huitième note.) Observations médicales reçues pendant l'année 1944. Inst. Pasteur d'Algérie. Arch. 23: 111-114. June 1945. 448.3 In7A
- 3003 SERGENT, E., and JOLINIÈRE, P. B. de. Sur un scorpion du Sahara central *Prionurus hoggarensis* Fly. Inst. Pasteur d'Algérie. Arch. 23: 115-120. June 1945. 448.3 In7A
- 3004 TARANTINO, G. B. Le heart-water e la lotta contro le zecche [*Amblyomma hebraeum*] nel Governatorato dei Galla e Sidama. Clin. Vet. 63: 338-344. Sept. 1940. 41.8 C61
- 3005 TAUBER, A. H., JOYCE, C. R., and TAUBER, O. E. Further toxicity studies with the dog tick *Dermacentor variabilis* (Say). Iowa State J. Sci. 19: 429-433. July 1945. 470 Io9  
Tests with rotenone, nicotine sulfate, and miscellaneous compounds.
- 3006 TRÄGÄRDH, I. Further contributions towards the comparative morphology of the Mesostigmata. III. On the Polyaspididae Berl. Uppsala U. Zool. Bidr. 20: 345-357. 1941. 410 Up6
- 3007 VAN DEN BRUEL, W. E. Un ravageur de l'épinard d'hiver: *Tyroglyphus* (i. e. *Tyrophagus*) dimidiatus Herm. (longior Gerv.). Inst. Agron. et des Stat. de Rech. de Gembloux. B. 9(1/4): 81-99. 1940. Ref. 105.1 G285  
Summaries in Dutch, German, and English.
- 3008 VERGAMI, A. R. Un acarò [*Rhipoglyphus hyacinthi*] dañino para el azufre. Argentina. Min. de Agr. Almanaque (1945) 20: 156. 9 Ag874
- 3009 WOOD, R. C., and DIXON, K. C. Tick-borne relapsing fever in Cyprus. Brit. Med. J. 1945, 2 (4424): 526, 528. Oct. 20, 1945. 448.8 B77  
Vector is *Ornithodoros tholozani*.

## COLEOPTERA

- 3010 ANDREWARTHA, H. G. Cockchafer grubs [*Aphodius bowittii*] as pests of pastures in the south-east. So. Austral. Dept. Agr. J. 49: 11-16. Aug. 1945. 23 So84
- 3011 BALACHOWSKY, A. Révision des Scolytinae de la faune de France. Grignon École Natl. d'Agr. Ann. (ser. 3) 4: 1-26. 1943/1944. Ref. 105.3 G872A
- 3012 BEAUMONT, G. Diapause imaginale obligatoire et réactivation chez le coléoptère *Agelastica alni* Redt. Paris. Acad. des Sci. Compt. Rend. 218: 213-215. Jan. 31, 1944. 505 P21
- 3013 BEAUMONT, G. Lois de la croissance larvaire chez quelques coléoptères. Paris. Acad. des Sci. Compt. Rend. 218: 331-333. Feb. 21, 1944. 505 P21
- 3014 BERGAMIN, J. A broca do café "*Hypothenemus* (i. e. *Stephanoderes*) *hampelii*" (Ferrari, 1867). São Paulo. Supt. dos Serv. do Café. B. 20: 394-403, 542-551. (Cont.) Apr., May 1945. 68.29 Sa63
- 3015 BERRY, F. H. Effect of site and the locust borer [*Megacyllene robiniae*] on plantations of black locust in Duke Forest. J. Forestry 43: 751-754. Oct. 1945. 99.8 F768
- 3016 BIZE RAMOS, J. Las campañas contra el bruco del frejol [*Acanthoscelides obtectus*] en Valparaíso y Aconcagua. Agrario 10(365): 6, 30. July 31, 1945. 9.3 Ag85
- 3017 BOLDORI, L. Descrizione della larva di *Megalonychus* sp. comparata a quelle di *Limodromus assimilis* e *Anchodemus cyaneus* (Coleop. Platynini). Riv. di Biol. Colon. 4: 129-135. June 1941. 442.8 R522



- 3018 BOLDORI, L.** Note su Chlaeniini: 80-90. Riv. di Biol. Colon. 6: 23-30. Jan./Apr. 1943. 442.8 B522  
Describes larvae of Chlaenius varians and C. canariensis seminitidus.
- 3019 BONDAR, G.** Notas entomológicas de Baín. XV. Rev. de Ent. 16: 89-112. Aug. 1945. 421 R326  
Studies on Curculionidae including n. spp. in Thaliabaris 6; Borgmeierus 2; Polynones.
- 3020 BOSQ, J. M.** El "escarabajo negro del trigo" [Dyscinetus pagatus] puede ser dañino a la silvicultura. Argentina. Min. de Agr. Almanaque (1945) 20: 65-67. 9 Ag874  
Pest of eucalyptus and cypress.
- 3021 BRACKEN, L. O.** Weevil-free corn. South. Agr. 75(11): 31. Nov. 1945. 6 So38
- 3022 BRENY, R.** Observations sur les sorties printanières du doryphore [Leptinotarsa decemlineata] en 1941, dans la région de Gembloux. Inst. Agron. et des Stas. de Rech. de Gembloux B. 10(1/4): 147-151. 1941. 105.1 G285  
Dutch, German, and English summaries.
- 3023 BREUNING, E. DE.** Etudes sur les lamiaires (Col., Ceramby.). Novitates Ent. Sup. 3, p. 521-568. 1940. 421 N85  
Received in v. 10, No. 1/4. Dec. 1940.  
Includes 5 n. spp. and 1 n. g.
- 3024 BRIMBLECOMBE, A. R.** Investigations on starch in living trees of Queensland timber species in relation to control of the powder post beetle [Lyctus brunneus]. Austral. Timber J. 11: 365-366, 369, 371, 373, 375, 377, 388. Sent. 1945. (Madison Sub-Branch Libr.)
- 3025 BURGEON, L.** Les Colasposoma et les Euryope du Congo Belge (Coléopt. Chrysomel. Eumolp.). Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém., v. 10, No. 5, 43 p. 1941. 504 B362M  
Makes C. colmanti n. n. for C. metallicum Jac.; includes n. spp. and forms in: Colasposoma 13; Euryope.
- 3026 C., V.** L'état actuel de la question du doryphore [Leptinotarsa decemlineata] en Europe. Prog. Agr. et Vitic. 115: 303-304. Apr. 27, 1941. 14 P94
- 3027 CERRUTI, M.** Descrizione della prima larva di Philonthus peregrinus Fauv. (Col. Staph.). Riv. di Biol. Colon. 4: 293-300. Dec. 1941. 442.8 B522
- 3028 DESELLEM, F. E.** Potential significance of Sitona lineata [i. e. lineatus]. Calif. Dept. Agr. Spec. P. 209, p. 28-30. 1945. 2 C121S  
West. Plant Bd. Proc. 24th Ann. Conf., 1942.
- 3029 FAVARD, P. G.** Bruches, charançons et vrillettes, parasites de nos réserves alimentaires. Prog. Agr. et Vitic. 115: 170-174, 280-283. Mar. 9, Apr. 20, 1941. 14 P94  
Bruchidae, Sitophilus spp., Anobiidae.
- 3030 FISHER, W. S.** A change of name in Cerambycidae. Ent. Soc. Wash. Proc. 47: 251. Nov. 1945. 420 W27  
Cyllene Newman 1840 becomes Megacyllene Casey 1912.
- 3031 FISHER, W. S.** A new species [Agrilaxia balloui] of Buprestidae from Venezuela (Coleoptera). B. de Ent. Venezol. 1: 89-90. Dec. 31, 1942. 421 B63
- 3032 GADDIS, B. M.** Status of white-fringed beetle [Pantomorus leucoloma]. Calif. Dept. Agr. Spec. P. 209, p. 120-121. 1945. 2 C121S  
West. Plant Bd. Proc. 25th Ann. Conf., 1944.
- 3033 GEMIGNANI, E. V.** Gorgojos, taladros y escarabajos dañinos; modo de combatirlos. Chacra 14(164): 51, 53-55. June 1944. 9 C34  
Curculionidae, Cerambycidae; Scarabaeidae.
- 3034 GRAY, K. W., and SCHUE, J.** Summary of potato flea beetle [Epitrix cucumeris] and eleven-spotted cucumber beetle [Diabrotica undecimpunctata] tests for 1944. Oreg. Seed Growers League. Proc. (1945) 4: 47. 61.9 Or3
- 3035 GUÉRIN, J.** Novos Megalopodidae (Col.) neotropicales. Rev. de Ent. 16: 254-261. Aug. 1945. Ref. 421 R326  
English summary.  
New spp. in: Mastostethus; Agathomerus 3.
- 3036 HAMMOND, G. H.** Chloropicrin as a control for larvae of Phyllophaga; a preliminary report. Ent. Soc. Ontario. Ann. Rmt. (1944) 75: 8-10. 1945. Ref. 420 On8
- 3037 HAMNETT, G. C.** An investigation into the life-history and morphology of the mustard beetle, Phaenon cochliariae F., on watercress. London. Zool. Soc. Proc. 114: 368-381. Dec. 1944. Ref. 410.9 L84F
- 3038 HARDY, R.** Dermestid beetles [Dermestes mar-moratus] for cleaning skulls and skeletons in small quantities. Turtax News 23: 69-70. Apr. 1945. 442.8 T86
- 3039 HESS, L.** Life of the lady beetle [Coccinellidae]. Nat. Hist. 54: 406-410. Nov. 1945. 500 N483J  
Photographs with explanatory text.
- 3040 HUNGERFORD, H. B.** The sweetpotato leaf beetle Typophorus viridicyaneus (Crotch) in Kansas. Kans. Ent. Soc. J. 18: 154-155. Oct. 1945. 420 K13
- 3041 HURST, W. D.** Predaceous diving beetles in Winnipeg's water supply. Amer. Waterworks Assoc. J. 37: 1204-1206. Nov. 1945. 292.9 Am32J  
Dytiscus spp. and Cybister spp.
- 3042 HUSTACHE, A.** Nouveau curculionide [Ovanus cattleyae n. sp.; tropical introduit en France. Échange 57: 6. May 2, 1941. 420 Ec4
- 3043 JONES, J. R. E.** The elaterid population of mid- and west Wales. London. Zool. Soc. Proc. 114: 350-359. Dec. 1944. Ref. 410.9 L84F
- 3044 KELSEY, J. M., SPILLER, D., and DENNE, R. W.** Biology of Anobium punctatum. New Zeal. J. Sci. and Technol. Sect. B, Gen. 27(1): 59-68. July 1945. Ref. 514 N48B  
Relation of biology of Anobium to tests for control by means of timber preservatives.
- 3045 KOCH, C.** Der saharo-sindische verbreitungstypus bei der ungeflügelten tenebrioniden-gattung Mesostena unter berücksichtigung ähnlicher biogeographischer verhältnisse der tentyria-stammgruppe Tentyrina (Col. Tenebr.). Riv. di Biol. Colon. 3: 1-137. Apr. 1940. 442.8 B522  
Italian, French, and English summaries.  
Includes n. spp. and forms in: Mesostena 17; Tentyrina.
- 3046 KULLENBERG, B.** Zur kenntnis der morphologie des männlichen kopulationsapparates bei den capsiden (Rhynchota). Uppsala U. Zool. Bidr. 20: 415-430. 1941. Ref. 410 Up6
- 3047 LEECH, H. B.** Three new species of nearctic Deronectes (Coleoptera, Dytiscidae). Canad. Ent. 77: 105-110. June 1945. 421 C16  
D. spenceri n. sp.; D. tetulus n. sp.; D. dolerosus n. sp.
- 3048 LINDROTH, C. H.** Endemismus in der fen-noskandischen fauna, erläutert an der fam. Carabidae. Uppsala U. Zool. Bidr. 20: 431-442. 1941. Ref. 410 Up6
- 3049 M., H. A.** Some British weevils. Gard. Chron. 118: 150-151. Oct. 6, 1945. 80 G162
- 3050 MCDUFFIE, W. C.** The legume weevil Hypera brunneipennis (Boh.) during the season of 1941-42. Calif. Dept. Agr. Spec. P. 209, p. 27-28. 1945. 2 C121S  
West. Plant Bd. Proc. 24th Ann. Conf., 1942.
- 3051 MARSHALL, G. A. K.** New injurious Curculionidae (Col.) from tropical Africa. R. Ent. Res. 36: 177-180. Sept. 1945. 421 B87  
New spp. in: Heterostylus; Lixus; Nanophyes; Leurostethus n. g. 2; Baris.

- 3052 MÉRIGUE, S. DE. Les boutures de pommes de terre et le doryphore [Leptinotarsa decemlineata]. Prog. Agr. et Vitic. 115: 189-190. Mar. 16, 1941. 14 P94
- 3053 MILNE, L. J. Sexton beetles [Silphidae]. Atlantic Monthly 176(5): 129, 131-132. Nov. 1945. 110 At6
- 3054 PIC, M. Coléoptères du globe. Échange 57: 13-16; 58: 3-4, 5-8, 9-12, 15-16; 59: 1-4. (Cont.) Nov. 6, 1941; Feb. 4, May 8, Aug. 18, Nov. 10, 1942; Feb. 4, 1943. 420 Ec4
- New spp. and forms.
- 3055 PIC, M. Coléoptères nouveaux du Cameroun. Échange 58: 1-3. Feb. 4, 1942. 420 Ec4
- 3056 PIC, M. Cryptocephalus micheli et formes voisines (phytophage). Échange 58: 13-15. Nov. 10, 1942. 420 Ec4
- 3057 PIC, M. Diagnoses de coléoptères exotiques. Échange 57: 6-8, 9-12. (Cont.) May 2, Aug. 5, 1941. 420 Ec4
- 3058 PIC, M. Notes diverses, nouveautés [Coleoptera]. Échange 57: 5. (To be cont.) May 2, 1941. 420 Ec4
- 3059 PIC, M. Variétés de Sternocorus [i. e. Stenocorus, meridiemus L. Échange 58: 9. Aug. 18, 1942. 420 Ec4
- 3060 RENAUD, P. Oliviers, gelées et neiroun. Prog. Agr. et Vitic. 115: 294-296. Apr. 27, 1941. 14 P94
- Refers to winter damage and attacks by Phloiotribus scarabaeoides.
- 3061 RICHMOND, H. A., and LEJEUNE, R. R. The deterioration of fire-killed white spruce by wood-boring insects in northern Saskatchewan. Forestry Chron. 21: 168-192. Sept. 1945. Ref. 99.8 F7623
- Refers to injuries caused by Monochamus scutellatus and Tetropium spp.
- 3062 ROCKWOOD, L. P. Vetch bruchid [Bruchus brachialis, material. Oreg. Seed Growers League. Proc. (1945) 4: 59, 61, 63. 61.9 Or3
- 3063 STRANEO, S. L. Studi sul genere Abacetes Dej.: 1<sup>o</sup> (Coleopt. Carabidae). Riv. di Biol. Colon. 6: 11-21. Jan./Apr. 1943. 442.8 R522
- Includes n. sgen.: Trienabacetes; Creniabacetes; Setabacetes; Bisulcillus; Abacetillus; Aeneoabacetes; Parastygis; Ophonichius.
- 3064 TOOKE, F. G. C. Beetles attacking seasoned timber in South Africa. Part I. The common furniture beetle Anobium punctatum, De Geer. Union So. Africa. Dept. Agr. and Forestry. B. 246 (Ent. Ser., No. 13), 15 p. Pretoria, 1944. Ref. 24 So84P
- 3065 WALLACE, C. R. The black beetle (Heteronychus sanctae-helenae) as it affects coastal vegetable growers and horticulturists. Agr. Gaz. N. S. Wales 56: 339-342, 348. Aug. 1, 1945. 23 N472

## DIPTERA

- 3066 ADDIS, C. J. Laboratory rearing and life cycle of Phlebotomus [i. e. Flebotomus] (Dampfomyia) anthophorus Addis (Diptera: Psychodidae). J. Parasitol. 31: 319-322. Oct. 1945. 448.8 J824
- 3067 ALEXANDER, C. P. New or insufficiently-known crane-flies from Chile (family Tipulidae, order Diptera). Part II. Chile. Dir. Gen. de Agr. Agr. Tec. 5(1): 5-23. Jan./June 1945. 464.9 C432B
- Spanish summary.
- Includes n. spp. and forms in: Macromastix 2; Holorusia; Tipula 3; Helius; Austrolimnophila; Limnophila.
- 3068 ALEXANDER, C. P. New or little-known Tipulidae from Venezuela (Diptera). Part I-II. B. de Ent. Venezol. 2: 17-26, 125-144. Mar. 31, Oct. 30, 1943. 421 B63
- Spanish summaries.
- Includes n. spp. and forms in: Tanypremna; Tipula; Limonia 4; Orimarga; Gonomyia; Holorusia; Molophilus 3.
- 3069 ALEXANDER, C. P. Records and descriptions of Brazilian Tipulidae (Dipt.). Part XII-XIII. Rev. de Ent. 16: 210-243. Aug. 1945. 421 R326
- Contains 20 n. spp.
- 3070 AYROZA-GALVÃO, A. L., and COUTINHO, J. O. Contribuição ao estudo dos flebotomos do estado de São Paulo, Phlebotomus [i. e. Flebotomus; sallesi n. sp. (Diptera, Psychodidae). Arq. de Hig. e Saúde Púb. 5(10): 15-27. Sept. 1940. Ref. 449.8 Ar6
- English and French summaries.
- 3071 BADANIN, N., and BADANINA, A. Gipodermatoz lozhadi (Predvaritel'noe soobshchenie) [Hypoderma infestations in horses (Preliminary communication)]. Vsesofuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(3): 32-33. 1945. 20 Akl
- Refers to Hypoderma lineatum.
- 3072 BARRETO, M. P. Observações sobre a biologia do Phlebotomus [i. e. Flebotomus; intermedius Lutz e Neiva, 1912 (Diptera, Psychodidae) em condições experimentais. Arq. de Hig. e Saúde Púb. 6(12): 107-119. May 1941. Ref. 449.8 Ar6
- English summary.
- 3073 BARRETO, M. P. Observações sobre a biologia do Phlebotomus [i. e. Flebotomus] whitmani Antunes e Coutinho, 1939 (Diptera, Psychodidae) em condições experimentais. Arq. de Hig. e Saúde Púb. 6(12): 123-131. May 1941. 449.8 Ar6
- English summary.
- 3074 BEQUAERT, J. The Diptera Pupipara of Venezuela. B. de Ent. Venezol. 1: 79-88. Dec. 31, 1942. 421 B63
- 3075 BEQUAERT, J. Notes on Hippoboscidae. 19. Additions to the larger species of Lynchia, with descriptions of two new species [L. schoutedeni, L. majuscula]. Psyche 52: 88-104. Mar./June 1945. 421 P95
- 3076 CARO, G. A. Gastrofilosis equina. Suelo Argentino 4: 554. Sept. 1945. 9 Su2
- Gasterophilus intestinalis.
- 3077 CORTÉS P., R. Taquídeos chilenos nuevos o poco conocidos (Dipt., Tachinidae). Chile. Dir. Gen. de Agr. Agr. Tec. 5(1): 24-30. Jan./June 1945. 464.9 C432B
- English summary.
- Includes Carcellia halliana n. sp. and Vibrissomyia lineolata n. comb. for Epalpus lineolatus Bigot.
- 3078 COUTINHO, J. O. Observações sobre algumas espécies de flebotomos com a descrição do macho de Phlebotomus [i. e. Flebotomus; lloydi - Antunes, 1937. Arq. de Hig. e Saúde Púb. 5(10): 31-41. Sept. 1940. Ref. 449.8 Ar6
- English and French summaries.
- 3079 CUNHA, L. A. DA. As moscas [Musca domestica, e os laticínios. Agr. e Pecuaria 16(265): 27-28. May 1945. 9.2 Ag89
- Discusses main diseases of which M. domestica is vector.
- 3080 DANIELLI, J. F., and CATCHESIDE, D. G. Phosphatase on chromosomes. Nature [London] 156: 294. Sept. 8, 1945. 472 N21
- Experiments with Drosophila ampelophila.
- 3081 DUBININ, N. P., and TINIAKOV, G. G. Seasonal cycles and the concentration of inversions in populations of Drosophila funebris. Amer. Nat. 79: 570-572. Nov./Dec. 1945. 470 Am36
- 3082 FLENTJE, M. E. Control and elimination of pest infestations in public water supplies. Amer. Waterworks Assoc. J. 37: 1194-1203. Nov. 1945. Ref. 292.9 Am32J
- Refers to chironomid larvae, and includes control experiments with DDT.
- 3083 G., P. Nouveaux progrès dans la biologie de la mouche de l'Hypoderma bovis; pénétration de la larve par la voie cutanée. Rev. Tech. des Indus. du Guir 31(1): 20-21. Jan. 15, 1942. 303.8 C89



- 3084** GEIGY, R., and ABOIM, A. N. Conadenentwicklung bei *Drosophila* nach frühembryonaler ausschaltung der geschlechtszellen. *Rev. Suisse de Zool.* 51: 410-417. July 1944. 410 R324
- 3085** GHELELOVITCH, S. Etude statistique d'une ségrégation mendélienne. *Paris. Acad. des Sci. Compt. Rend.* 220: 253-254. Feb. 19, 1945. 505 P21  
Studies with hybrids of *Drosophila ampelophila*.
- 3086** GJULLIN, C. M., and MOTE, D. C. Notes on the biology and control of *Chrysopa discalis* Williston (Diptera, Tabanidae). *Ent. Soc. Wash. Proc.* 47: 236-244. Nov. 1945. 420 W27
- 3087** GLOOR, H. Phänotypie einer letalmutante (crc) von *Drosophila melanogaster* (i. e. *ampelophila*). *Rev. Suisse de Zool.* 51: 394-402. July 1944. 410 R324
- 3088** GRANDORI, R. Esperimento di lotta contro la mosca domestica [*Musca domestica*] mediante cianamide. *Milan. R. U. B. di Zool. Agr. e Bachicoltura* 11: 133-138. 1941/42, pub. 1942. 423.92 B63
- 3089** GREENSTED, L. W. Predators and other Diptera on cow-parasit [Heracleum sphondylium]. *Ent. Monthly Mag.* 81: 229. Oct. 1945. 421 En86
- 3090** HADORN, E., and GRABER, H. Über einen *Drosophila*-stamm mit veränderten spermatheken. *Rev. Suisse de Zool.* 51: 418-423. July 1944. 410 R324
- 3091** HEATH, G. B. S. The use of D.D.T. against sheep keds [*Melophagus ovinus*]. *Vet. J.* 101: 180. Aug. 1945. 41.8 V643
- 3092** HEMMING, F. On the importance of facsimile reproductions of rare works of importance in systematic zoology, with special reference to Meigen (J. G.), 1800, *Nouvelle Classification des Mouches à Deux Ailes*. *B. Zool. Nomencl.* 1: 119-120. Sept. 1945. 410 B874  
Discussion precedes facsimile of the Meigen paper.
- 3093** JACKSON, C. H. N. Comparative studies of the habitat requirements of tsetse fly [*Glossina*] species. *J. Anim. Ecol.* 14(1): 46-51. May 1945. 410 J826
- 3094** JONES, S. C. Investigations to determine the validity of the species *Rhagoletis indifferens* Curran infesting the wild bitter cherry *Prunus emarginata* in cherry fruit fly-free areas. *Calif. Dept. Agr. Spec. P.* 209, p. 55-59. 1945. 2 C121S  
*West. Plant Bd. Proc.* 24th Ann. Conf., 1942.  
Relation to *R. cingulata*.
- 3095** JONES, S. C. Recent investigations on the cherry fruit fly [*Rhagoletis* spp.]. *Calif. Dept. Agr. Spec. P.* 209, p. 116-117. 1945. 2 C121S  
*West. Plant Bd. Proc.* 25th Ann. Conf., 1944.  
Relation of *R. indifferens* to *R. cingulata*.
- 3096** KELMAN, M. The forces influencing chromosome pairing in *Drosophila melanogaster* (i. e. *ampelophila*). *Amer. Nat.* 79: 567-570. Nov./Dec. 1945. 470 Am36
- 3097** KOCH, J. Die oenocyten von *Drosophila melanogaster* (i. e. *ampelophila*). *Rev. Suisse de Zool.* 52: 415-420. Aug. 1945. 410 R324
- 3098** LEVENE, H., and DOBZHANSKY, T. Experiments on sexual isolation in *Drosophila*. V. The effect of varying proportions of *Drosophila pseudoobscura* and *Drosophila persimilis* on the frequency of insemination in mixed populations. *Natl. Acad. Sci. Proc.* 31: 274-281. Sept. 1945. 500 N21P
- 3099** MCADORY, I. S. Screwworms [*Cochliomyia* spp.] and blowflies. *South. Agr.* 75(11): 17. Nov. 1945. 6 So83
- 3100** MASING, R. A. Egg laying in *Drosophila melanogaster* (i. e. *ampelophila*) as influenced by sugar content in the food. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* 47: 296-299. 1945. 511 P444
- 3101** MELANDER, A. L. Ten new species of Empididae (Diptera). *Psyche* 52: 79-87. Mar./June 1945. 421 P95  
New spp. 1h; *Anomalempis*; *Chersodromia* 3; *Ragas*; *Gloma* 2; *Oreogeton*; *Hilara*; *Empis*.
- 3102** MENDY, R. M. El gusano del estómago de los yaguarizos [*Gasterophilus nasalis*; o gastrophilus equina. Argentina. Min. de Agr. Almanaque (1945) 20: 257-262. 9 Ag874
- 3103** MICHELbacher, A. E., and SMITH, G. L. Fly control in dairies with DDT. *West. Livestock J.* 23(62): 9. Oct. 30, 1945. 6 F2278  
How to spray dairy barns with DDT.
- 3104** MIRABELLI, H. J., and LORI, R. D. La ura (*Dermatobia cyaniventris* (i. e. *hominis*); su presentación en el hombre y en los animales domesticas. *Suelo Argentino* 4: 602-604. (To be cont.) Sent. 1945. 9 Su2  
The same title appears in *Campo* [Buenos Aires] 29 (347): 78-81. Sept. 1945. 9 C15
- 3105** MORENO, J. J. Garrapata de los lanares (*Melophagus ovinus*). Argentina. Min. de Agr. Almanaque (1945) 20: 287. 9 Ag874
- 3106** PAINTER, R. H., and JONES, E. T. The hessian fly [*Phytophaga destructor*] resistance of Pawnee wheat. *Kans. Ent. Soc. J.* 18: 130-149. Oct. 1945. Ref. 420 K13
- 3107** PARKIN, E. A., and GREEN, A. A. The toxicity of DDT to the housefly, *Musca domestica*, L. *B. Ent. Res.* 36: 149-162. Sept. 1945. Ref. 421 B87
- 3108** PARROT, L., and MALBRANT, R. Notes sur les phlébotomes. XLVII. - Phlébotomes du moyen Congo. *Inst. Pasteur d'Algérie. Arch.* 23: 120-127. June 1945. Ref. 448.3 In7A  
Includes *P. serratus* n. sp.
- 3109** PESSOA, S. B., and PESTANA, B. R. Infecção natural do Phlebotomus (i. e. *Flebotomus*) migonei por formas em leptomonas, provavelmente da *Leishmania brasiliensis*. *Arq. de Hig. e Saúde Púb.* 5(10): 45-49. Sept. 1940. 449.3 Ar6  
English and French summaries.
- 3110** PESSOA, S. B., and COUTINHO, J. O. Infecção natural do Phlebotomus [i. e. *Flebotomus*] pessoal por formas em leptomonas, provavelmente da *Leishmania brasiliensis*. *Arq. de Hig. e Saúde Púb.* 6(12): 15-20. May 1941. 449.8 Ar6  
English summary.
- 3111** PIFANO C., F. Notas sobre entomologia medica Venezolana. I. *Flebotomos* [*Flebotomus*] transmisores de leishmaniasis tegumentaria en el Valle del Yaracuy. *B. Ent. Venezol.* 2: 99-102. June 30, 1943. 421 B63  
English summary.
- 3112** POWER, M. E., and MELNICK, J. L. A three-year survey of the fly population in New Haven during epidemic and non-epidemic years for poliomyelitis. *Yale J. Biol. and Med.* 18(1): 55-69. Oct. 1945. 448.8 Y1
- 3113** PROKOFYEVA-BELGOVSKAYA, A. A. Heterochromatization as a change in the chromosome cycle. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 360-362. 1945. Ref. 511 P444  
Study of the cells of *Drosophila ampelophila*.
- 3114** RAKSHPAL, R. Notes on a syrphid (*Sphaerophoria scutellaris* Fab.) fly predator on mustard-aphid (*Rhopalosiphum pseudobrassicae* Davis). *Cur. Sci.* 14: 235-236. Sept. 1945. 475 Sci23
- 3115** RAPP, W. F., JR., and SNOW, W. E. Catalogue of Pantophthalmidae of the world. *Rev. de Ent.* 16: 252-254. Aug. 1945. 421 R326
- 3116** REIFF, M. Fertilitätstypen bei selektionsstämmen von *Drosophila melanogaster* (i. e. *ampelophila*) und ihr Verhalten bei kreuzungen. *Rev. Suisse de Zool.* 51: 424-436. July 1944. 410 R324
- 3117** RIS, H., and CROUSE, H. Structure of the salivary gland chromosomes of Diptera. *Natl. Acad. Sci. Proc.* 31: 321-327. Oct. 15, 1945. 500 N21P
- 3118** ROZEBOOM, L. E. *Phlebotomus* (i. e. *Flebotomus*) anduzei, a new *Phlebotomus* from Venezuela. *B. de Ent. Venezol.* 1: 91-94. Dec. 31, 1942. 421 B63

3118 STARKOFF, O. Sul potere patogeno delle larve di *Gasterophilus intestinalis* (De Geer, 1776): contributo sperimentale ed anatomo-patologico. Riv. di Biol. Colon. 5: 89-106. Aug. 1942. 442.8 B522

Effect of the development of the fly larvae on the horse.

3120 STARR, D. F. The action of a repellent spray against the Mexican fruitfly [*Anastrepha ludens*]. J. Agr. Res. 71: 415-422. Nov. 1, 1945. 1 Ag34J

3121 SYNERHOLM, M., E., and HARTZELL, A. Some compounds containing the 3,4-methylenedioxyphenyl group and their toxicities toward houseflies [*Musca domestica*]. Royce Thompson Inst. Contrib. 14: 79-89. Oct./Dec. 1945. Ref. 451 B69

3122 THOMAS, I., and WILLIAMS, G. The control of warble flies [*Hypoderma* spp.] with nicotine sulphate. Welsh J. Agr. 18: 79-80. July 1945. 10 W46

3123 VOGELSLANG, E. G., and LLAMAZAS GONZÁLEZ, P. Contribución al estudio de la parasitología animal en Venezuela. XIV. Gastrofilos [*Gasterophilus* spp.] de los equinos de Venezuela. B. de Ent. Venezol. 2: 145-148. Oct. 30, 1943. Ref. 421 B63 English summary.

3124 ZIKAN, J. F. Novas observações sobre a biologia de *Mydas* (Dipt.) e sua relação com os formigueiros da saúva [*Atta* spp.]. Brazil. Min. da Agr. B. 33(3): 43-55. Mar. 1944. 9.2 Ag83

#### Culicidae

3125 ANDUZE, P. J., and HECHE, O. *Aedes* (*Finlaya*) *upatensis* sp. nov. B. de Ent. Venezol. 2: 185-188. Dec. 31, 1943. 421 B63 English summary.

3126 ANDUZE, P. J. Estudios de entomología médica en el Estado Mérida (Venezuela). B. de Ent. Venezol. 2: 149-156, 189-196. Oct. 30, Dec. 31, 1943. 421 B63

English summaries.

Preliminary account and a review of the Culicidae, including *Culex albertoi* n. sp.

3127 BARRETO, M. P. Malaria aviaria. I. Transmissão do *Plasmodium cathemerium* Hartman, 1927 pelo *Culex fatigans* Wiedmann, 1828 (l. e. quinquefasciatus Say). Arq. de Hig. e Saúde Púb. 8(17): 9-14. Jan. 1943. 449.8 Ar6 English summary.

3128 BARRETO, M. P., and COUTINHO, J. O. Sobre o gênero *Taeniorhynchus* Arribálzaga, 1891, com a descrição de três novas espécies do subgênero *Taeniorhynchus* (Diptera, Culicidae). Arq. de Hig. e Saúde Púb. 9(21): 53-85. May 1944. Ref. 449.8 Ar6 English summary.

Includes new spp.: *T. pessoai*; *T. wilsoni*; *T. cerquevali*.

3129 BATES, M. Observations on climate and seasonal distribution of mosquitoes in eastern Colombia. J. Anim. Ecol. 14(1): 17-25. May 1945. 410 J826

3130 BELKIN, J. N. *Anopheles nataliae*, a new species from Guadalcanal. J. Parasitol. 31: 315-318. Oct. 1945. 448.8 J824

3131 BRADLEY, G. H., and FRITZ, R. F. Observations on seasonal occurrence and abundance of *Anopheles quadrimaculatus* Say. Natl. Malaria Soc. J. 4: 251-262. Sept. 1945. 448.9 N213

3132 BUXTON, P. A. Experiments with DDT in solutions and emulsions against mosquito larvae in West Africa. B. Ent. Res. 36: 165-175. Sept. 1945. 421 B87

3133 CARPENTER, S. J., and JENKINS, D. W. A new state record of *Megarrhinus rutilus* coquillett in South Carolina. Mosquito News 5: 88. Sept. 1945. 421 M85

3134 CASTRO, G. M. DE O., and MARIANO, J. Transporte e inoculação de bacilos da lepra pelos mosquitos. Nota prévia. Inst. Oswaldo Cruz Mem. 41: 511-524. Dec. 1944. 448.9 In74

3135 CAUSEY, O. R., DEANE, L. M., and DEANE, M. P. *Anopheles aquasalis* vs. *Anopheles tarsimaculatus* as the name for the brackish water anopheline of Central and South America and the Caribbean Islands. Natl. Malaria Soc. J. 4: 243-250. Sept. 1945. Ref. 448.9 N213

*A. tarsimaculatus* is not considered an available name. *A. emilianus* Komp is considered a synonym of *A. aquasalis* Curry.

3136 CAUSEY, O. R. Description of *Anopheles* (*Nyssorhynchus*) *dunhami*, a new species from the upper Amazon Basin. Natl. Malaria Soc. J. 4: 231-234. Sept. 1945. 448.9 N213

3137 CHAMBERLAIN, R. W., and DUFFEY, T. E. Collection records of *Mansonia titillans* (Walker) and *Mansonia indubitans* Dyar and Shannon in Florida with keys to the species of *Mansonia* in the United States (Diptera, Culicidae). Mosquito News 5: 96-97. Sept. 1945. 421 M85

3138 CHWATT, L. J. The morphology of the pharyngeal armature in *Anopheles gambiae* and *Anopheles gambiae* var. *melas* from Southern Nigeria. Ann. Trop. Med. and Parasit. 39: 124-128. Oct. 10, 1945. Ref. 448.9 L75A

3139 COLLIGNON, E. La campagne antipaludique de 1944 dans le Département d'Alger. Inst. Pasteur d'Algérie. Arch. 23: 98-110. June 1945. 448.3 In7A Includes control of *Anopheles*.

3140 CORRÊA, R. R., and RAMOS, A. S. Os anofelinos da Ilha de Santo Amaro. Arq. de Hig. e Saúde Púb. 9(22): 9-16. Sept. 1944. Ref. 449.8 Ar6 English summary.

3141 CORRÊA, R. R., and RAMOS, A. S. Os anofelinos da região meridional do Estado de São Paulo. Arq. de Hig. e Saúde Púb. 7(15): 37-57. May 1942. Ref. 449.8 Ar6 English summary.

3142 CORRÊA, R. R., and RAMOS, A. S. Contribuição ao conhecimento da distribuição geográfica dos anofelinos do estado de S. Paulo (Brasil) (Diptera, Culicidae). Arq. de Hig. e Saúde Púb. 9(20): 127-151. Jan. 1944. Ref. 449.8 Ar6 English summary.

3143 CORRÊA, R. R. Das formas evolutivas aquáticas do *Anopheles* (*Anopheles*) *eiseni* Coquillett, 1902. Arq. de Hig. e Saúde Púb. 7(15): 27-33. May 1942. 449.8 Ar6

3144 CORRÊA, R. R., and CERQUEIRA, F. M. C. Descrição de *Anopheles* (*Kerteszia*) *laneanus*, nova espécie de anofelino de Campos do Jordão (Diptera, Culicidae). Arq. de Hig. e Saúde Púb. 9(20): 111-117. Jan. 1944. 449.8 Ar6 English summary.

3145 CORRÊA, R. R., and RAMOS, A. DA S. Do encontro do *Anopheles* (*N.*) *darlingi* Root, 1926, e do *Anopheles* *oswaldoi* var. *metcalfei* Galvão & Lane, 1937, naturalmente infetados com os parasitas maláricos, na região sul do Estado de São Paulo. Arq. de Hig. e Saúde Púb. 7(15): 379-387. May 1942. Ref. 449.8 Ar6 English summary.

3146 CORRÊA, R. R., and RAMOS, A. S. Nota sistemática sobre *Anopheles* (*N.*) *rondoni* (Neiva & Pinto, 1922). Descrição do ovo (Diptera, Culicidae). Arq. de Hig. e Saúde Púb. 8(19): 135-136. Sept. 1943. 449.8 Ar6

3147 CORRÊA, R. R., and RAMOS, A. S. I - Notas sobre o estudo da biologia do *Anopheles* *tarsimaculatus* em Caraguatatuba. Arq. de Hig. e Saúde Púb. 9(20): 105-108. Jan. 1944. 449.8 Ar6 English summary.



**3128** CORRÊA, R. R., and RAMOS, A. S. Relatório das investigações entomológicas realizadas na Represa da Light e ao longo da E. F. Sorocabana, ramal Mayrink-Santos. Arq. de Hig. e Saúde Púb. 7(15): 313-333. May 1942. 449.8 Ar6  
Anopheles strolei and A. albitarsis found most predominant.

**3149** CORRÊA, R. R. Os vetores (Anopheles spp.) de malária no Estado de São Paulo. Arq. de Hig. e Saúde Púb. 8(19): 121-132. Sept. 1943. Ref. 449.8 Ar6

English summary.

**3150** DALENCOUR, L. Analysis of a tidal ditch and its crossings. Mosquito News 5: 87. Sept. 1945. 421 M85

To eradicate mosquito breeding places.

**3151** DAVIS, D. E. A comparison of mosquitoes captured with avian bait and with human bait. Ent. Soc. Wash. Proc. 47: 252-256. Nov. 1945. Ref. 420 W27

**3152** EIDE, P. M. Outdoor rearing of Anopheles quadrimaculatus Say. Mosquito News 5: 82-85. Sept. 1945. 421 M85

**3153** EYLES, D. E., SABROSKY, C. W., and RUSSELL, J. C. Long-range dispersal of Anopheles quadrimaculatus. Pub. Health Rpts. 60: 1265-1273. Oct. 26, 1945. Ref. 151.65 P96

**3154** FELTON, H. L., BARNES, R. C., and WILSON, A. Malaria control in a nonendemic area. Natl. Malaria Soc. J. 4: 201-208. Sept. 1945. Ref. 448.9 N213

Discusses Anopheles surveys and mosquito control measures.

**3155** FONSECA, J. A. B. Considerações sobre o Anopheles (Anopheles) eiseni Coquillett, 1902, como transmissor da malária humana. Arq. de Hig. e Saúde Púb. 7(15): 75-81. May 1942. 449.8 Ar6

**3156** FONSECA, J. A. B. DA., and FONSECA, F. DA. Leptomonas anophelini, sp. n., parasita do Anopheles eiseni. Arq. de Hig. e Saúde Púb. 7(15): 9-10. May 1942. 449.8 Ar6

**3157** GALVÃO, A. L. A., CORRÊA, R. R., and GRIECO, S. J. Alguns dados sobre a manutenção de colônias de Nyssorhynchus em laboratório. Arq. de Hig. e Saúde Púb. 9(20): 85-102. Jan. 1944. 449.8 Ar6

English summary.

Refers to Anopheles albitarsis, A. argyritarsis, and A. tarsimaculatus.

**3158** GALVÃO, A. L. A. Chaves para a determinação das espécies do subgênero Nyssorhynchus do Brasil. Arq. de Hig. e Saúde Púb. 8(19): 141-162. Ref. Sept. 1943. 449.8 Ar6

English summary.

Anopheles (Nyssorhynchus).

**3159** GALVÃO, A. L. A., LANE, J., and UNTI, O. Sobre o Anopheles noroestensis Galvão e Lane, 1938. Arq. de Hig. e Saúde Púb. 8(19): 37-48. Sept. 1943. Ref. 449.8 Ar6

English summary.

A. ayrozai synonym of A. noroestensis.

**3160** GARNHAM, P. C. C. The role of Anopheles pharoensis Theobald in the transmission of malaria in Kenya Colony. Ann. Trop. Med. and Parasit. 39: 63-65. Oct. 10, 1945. 448.9 L75A

**3161** GUIDETTI, C. La diagnosi precoce della dengue negli europei al tropici. Riv. di Biol. Colon. 3: 197-214. June 1940. 442.8 R522

French, English, and German summaries.

Transmitted by Aedes aegypti.

**3162** HARGETT, M. V. Les moustiques dans les aéronautes. Off. Internatl. d'Hyg. Pub. B. Mens. 33: 279-287. May/June 1941. Ref. 449.75 Of2

Use of pyrethrum insecticides on inter-American air lines against mosquito disease vectors.

**3163** HENDERSON, J. M. A discussion on Caribbean malaria control. Natl. Malaria Soc. J. 4: 189-200. Sept. 1945. 448.9 N213

Includes discussion of Anopheles spp. as vectors and of their control.

**3164** JOYCE, C. R. The occurrence of Psorophora mexicana (Bellardi) in the United States. Mosquito News 5: 86. Sept. 1945. 421 M85

**3165** KEENER, G. G., JR. Detailed observations on the life history of Anopheles quadrimaculatus. Natl. Malaria Soc. J. 4: 263-270. Sept. 1945. Ref. 448.9 N213

**3166** KIKER, C. C., and SPARKMAN, R. E. A review of equipment used in applying malaria control measures on impounded waters in the Tennessee Valley. Natl. Malaria Soc. J. 4: 209-222. Sept. 1945. 448.9 N213

For use in mosquito control.

**3167** KNOWLES, F. L. DDT residual house spray--a method of malaria control in rural areas. Pub. Health Rpts. 60: 1274-1279. Oct. 26, 1945. 151.65 P96

Spraying rural homes as a mosquito control measure.

**3168** LANE, J. Quatro espécies novas de Culex da região neotrópica. Rev. de Ent. 16: 204-209. Aug. 1945. 421 R326

**3169** MADDEN, A. H., LINDQUIST, A. W., and KNIP-LING, E. F. DDT residues on vegetation and ground litter for control of adult salt-marsh mosquitoes (Aedes spp.). Mosquito News 5: 100-104. Sept. 1945. 421 M85

**3170** METCALF, R. L. The physiology of the salivary glands of Anopheles quadrimaculatus. Natl. Malaria Soc. J. 4: 271-278. Sept. 1945. Ref. 448.9 N213

**3171** MILES, V. I. Differentiating the larvae of Anopheles georgianus King, A. bradleyi King, and A. punctipennis (Say). Natl. Malaria Soc. J. 4: 235-242. Sept. 1945. 448.9 N213

**3172** OZBURN, R. H. Preliminary report on anopheline mosquito survey in Canada. Pt. 1 - A report on light trap collections. Ent. Soc. Ontario. Ann. Rpt. (1944) 75: 37-44. 1945. 420 On8

**3173** PARAENSE, W. L. Infecção experimental do Culex quinquefasciatus pelo Plasmodium juxtanucleare. Inst. Oswaldo Cruz Mem. 41: 535-540. Dec. 1944. 448.9 In74

English summary.

C. quinquefasciatus not proved to be common vector of P. juxtanucleare.

**3174** PRATT, H. D. Mansonella indubitans Dyar and Shannon--a new mosquito addition to the United States fauna. Kans. Ent. Soc. J. 18: 121-129. Oct. 1945. 420 K13

**3175** PRATT, H. D., WIRTH, W. W., and DENNING, D. G. The occurrence of Culex opisthopus Komp in Puerto Rico and Florida, with a description of the larva (Diptera, Culicidae). Ent. Soc. Wash. Proc. 47: 245-251. Nov. 1945. 420 W27

**3176** THE PREVENTION of dengue fever. U. S. Army Med. Dept. B. 4: 535-539. Nov. 1945. 152.9 Ar52

Discusses the mosquito vectors (Aedes spp.), and their control.

**3177** RAMOS, A. DA S., and UNTI, O. Notas sobre os anofelinos de São Vicente e suas imediações. Arq. de Hig. e Saúde Púb. 5(10): 53-61. Sept. 1940. 449.8 Ar6

English and French summaries.

**3178** RAMOS, A. S. Observações sobre os anofelinos do litoral paulista. Anopheles (Nyssorhynchus) tarsimaculatus (Goeldi, 1905); Anopheles (Nyssorhynchus) oswaldoi (Peryassú, 1922). Arq. de Hig. e Saúde Púb. 8(19): 51-62. Sept. 1943. Ref. 449.8 Ar6

English summary.

- 3178 RAMOS, A. S. Sobre una variedade nova de *Anopheles* (*Nyssorhynchus*) *oswaldoi* [guarujaensis] Peryassú, 1922 (Diptera-Culicidae). Arq. de Hig. e Saúde Pú. 7(15): 61-71. May 1942. 449.8 Ar6  
English summary.
- 3180 REILLEY, F. A. Circulation of tide water saves salt marsh and stops mosquito breeding. Mosquito News 5: 77-78. Sept. 1945. 421 M85
- 3181 ROUBAUD, É. L'hybridation, facteur régulateur naturel des populations culicidiennes [Culicidae], chez le moustique commun. Paris. Acad. des Sci. Compt. Rend. 220: 229-231. Feb. 19, 1945. 505 P21
- 3182 SEAMAN, E. A. Ecological observations and recent records on mosquitoes of San Diego and Imperial Counties, California. Mosquito News 5: 89-95. Sept. 1945. Ref. 421 M85
- 3183 SEAMAN, E. A. An insect light trap for use with auto vehicles in the field. Mosquito News 5: 79-81. Sept. 1945. 421 M85
- 3184 SERGENT, E. Où combattre le paludisme? Chez l'homme ou chez le moustique? Inst. Pasteur d'Algérie. Arch. 22: 255-258. Dec. 1944. 448.3 In7A
- 3185 STAGE, H. H. References to literature of interest to mosquito control workers. Mosquito News 5: 113-116. Sept. 1945. 421 M85
- 3186 THOMSON, R. C. M. Studies on the breeding places and control of *Anopheles gambiae* and *A. gambiae* var. *melas* in coastal districts of Sierra Leone. B. Ent. Res. 36: 185-252. Sept. 1945. Ref. 421 B87
- 3187 TREILLARD, M. La faune culicidienne [Culicidae] de la plaine bourguignonne. Soc. de Path. Exot. B. 34: 265-268. 1941. 448.9 Sol3
- 3188 UNTI, O. Anofelinos do Vale do Paraíba. Nota 1 -- Sobre a morfologia de alguns ovos. Arq. de Hig. e Saúde Pú. 7(15): 355-359. May 1942. 449.8 Ar6
- 3189 UNTI, O. Anofelinos do Vale do Paraíba; nova variedade e ciclo evolutivo do *Anopheles* (*Nyssorhynchus*) *oswaldoi* var. *ayrozai* n. var. Arq. de Hig. e Saúde Pú. 7(15): 363-375. May 1942. Ref. 449.8 Ar6
- 3190 UNTI, O., and RAMOS, A. S. Anofelismo das alturas no Brasil meridional. Arq. de Hig. e Saúde Pú. 7(15): 91-106. May 1942. Ref. 449.8 Ar6  
English summary.
- 3191 UNTI, O. Ferro dos criadouros de anófeles e o "anofelismo" sem malária do Vale do Paraíba. Arq. de Hig. e Saúde Pú. 8(19): 105-117. Sept. 1943. 449.8 Ar6  
English summary.
- 3192 UNTI, O. Notas ecológicas sobre anofelinos do Vale do Paraíba. Arq. de Hig. e Saúde Pú. 7(15): 13-21. May 1942. 449.8 Ar6  
English and French summaries.
- 3193 UNTI, O. Oxiênio dos focos de anófeles de São Paulo. Arq. de Hig. e Saúde Pú. 8(19): 85-102. Sept. 1943. Ref. 449.8 Ar6  
English summary.
- 3194 UNTI, O. O pH dos solos e dos focos de *Anopheles* e a epidemiologia da malária no Brasil. Arq. de Hig. e Saúde Pú. 7(15): 125-158. May 1942. Ref. 449.8 Ar6  
English summary.
- 3195 UNTI, O. Resistência de ovos de algumas anofelinas de S. Paulo. Arq. de Hig. e Saúde Pú. 8(19): 65-72. Sept. 1943. 449.8 Ar6  
English summary.
- 3196 UNTI, O., and RAMOS, A. S. Sobre a fauna anofélica do Vale do Paraíba (Diptera - Culicidae). Arq. de Hig. e Saúde Pú. 8(19): 23-34. Sept. 1943. Ref. 449.8 Ar6
- 3197 WASICKY, R., and UNTI, O. Dicloro-difenil-tricloro-etano (DDT) no combate às larvas de culicídeos. Arq. de Hig. e Saúde Pú. 9(21): 89-102. May 1944. 449.8 Ar6  
English summary.
- 3198 WATSON, R. B. On the probability of soldiers with Pacific *Plasmodium vivax* malaria infecting *Anopheles quadrimaculatus*. Natl. Malaria Soc. J. 4: 183-188. Sept. 1945. 448.9 N213
- 3199 YATES, W. W. The effect of drying on the viability of *Aedes* mosquito eggs. Mosquito News 5: 98-99. Sept. 1945. 421 M85

## HEMIPTERA (HETEROPTERA AND HOMOPTERA)

- 3200 ALBARRACÍN, C. P. Cochinilla negra del olivo (*Saissetia oleae* Bern.). Corp. Frutícola Argentina. Rev. Ofic. 10(118): 13. Oct. 31, 1944. 83 C81  
Reprint from "La Olivicultura Argentina."
- 3201 BEAMER, R. H. Four new species in the genus *Bakerella* (Homoptera-Fulgoroidea-Delphacinae). Kans. Ent. Soc. J. 18: 149-154. Oct. 1945. 420 K13
- 3202 CARVALHO, J. C. M. Mirídeos neotropicais: gêneros *Dioniza* [i. e. *Dionysa*], *Distant*, *Neella* Reuter, *Collaria* Provancher, *Falconia* Distant e *Ophthalmomiris* Berg, com descrições de espécies novas (Hemiptera). Rev. de Ent. 16: 158-187. Aug. 1945. 421 R326  
English summary.  
Includes 5 n. spp.
- 3203 CHANDLER, S. C. Peach insect problems of 1944; the San Jose scale [*Aspidiotus perniciosus*]. Ill. State Hort. Soc. Trans. (1944) 78: 339-348. 1945. 81 IL6
- 3204 CHANDLER, S. C. The scale [*Aspidiotus perniciosus*], situation. Ill. State Hort. Soc. Trans. (1944) 78: 359-360. 1945. 81 IL6
- 3205 CHINA, W. E. A new African species of the genus *Kamendaka* Dist. [*K. soyeriae*] (Hemiptera-Homoptera, family Derbidae, subfamily Ottocertinae). London. Zool. Soc. Proc. 114: 293-296. Dec. 1944. 410.9 L84P
- 3206 COLAS-BELOUCOUR, J., and NICOLLE, P. Infestation expérimentale, per os, de réduvidés tropicaux suceurs de sang (triatomes) [*Triatoma infestans*], par des flagellés parasites [*Leptomonas pyrrhocoris*], d'un hémiptère banal paléarctique, non hémophage, *Pyrrhocoris apterus*. Paris. Acad. des Sci. Compt. Rend. 218: 171-172. Jan. 24, 1944. 505 P21
- 3207 DAVIS, L. G. Pear psylla [*Psylla pyricola*] control program in the Pacific Northwest. Calif. Dept. Agr. Spec. P. 209, p. 44-46. 1945. 2 C121S  
West. Plant Bd. Proc. 24th Ann. Conf., 1942. Discussion, p. 46-48.
- 3208 DRAKE, C. J., and HARRIS, H. M. A new *Brachymetra* [*B. anduze*] from Venezuela (Hemiptera-Gerridae). B. de Ent. Venezol. 1: 95-96. Dec. 31, 1942. 421 B63
- 3209 DRAKE, C. J. A new neotropical vespicide [*Vesica penningtoni*] (Hemip.: Reduviidae). B. de Ent. Venezol. 2: 207-209. Dec. 31, 1943. 421 B63  
Spanish summary.
- 3210 FENNAH, R. G. The external male genitalia of Fulgoroidea (Homoptera). Ent. Soc. Wash. Proc. 47: 217-229. Nov. 1945. 420 W27
- 3211 FENNAH, R. G. Tropiduchidae and Kinnariidae from the Greater Antilles (Homoptera: Fulgoroidea). Psyche 52: 119-138. Mar./June 1945. 421 P95  
Includes: *Dineparmene* n. g.; n. spp. in *Southia*, *Quilessa* 4, *Atopocixius* 3, *Homagenes* n. g.
- 3212 FLETCHER, F. C. Story of the lac insect [*Laccifer lacca*]. Ward's Nat. Sci. B. 19: 30-32. Nov. 1945. 410 W21



3213 GORHAM, R. P. The progress of the potato aphid survey in New Brunswick and adjacent Provinces. Ent. Soc. Ontario, Ann. Rpt. (1944) 75: 16-22. 1945. Ref. 420 On8

3214 KNOWLTON, G. F., and ALLEN, M. W. Amphorophora studies. Canad. Ent. 77: 111-114. June 1945. 421 C16

Includes *A. petiolaris* n. sp.; *A. utahensis* n. sp.

3215 LIMA, A. DA C., and SEABRA, C. A. C. Stenopodinae da coleção do Instituto Oswaldo Cruz (Hemiptera: Reduviidae: Reduviidae). Inst. Oswaldo Cruz Mem. 41: 507-510. Dec. 1944. 448.9 In74

*Ocrioessa barberi* transferred to genus *Kodormus*.

3216 MALTAIS, J. B. A simple method of mounting aphids on microscope slides. Canad. Ent. 77: 103-104. June 1945. 421 C16

3217 METCALF, Z. P. Fulgoroidea (Homoptera) of Kartabo, Bartica District, British Guiana. Zoologica [New York] 30: 125-143. Nov. 15, 1945. 410 Z722

Includes new spp. in: *Oliarus*; *Pintalia*; *Eucanyra*; *Mysidia*; *Neocenchrea*; *Syntames*; *Dictyophara*; *Taosa*; *Eurocerus* n. g.; *Platoidinus*.

3218 MONTE, O. Três novos tingitídeos. Rev. de Ent. 16: 249-252. Aug. 1945. 421 R326

New spp.: *Leptopharea delicata*; *Tigava spatula*; *Plaseobyrsa lichyi*.

3219 NATIONAL GEOGRAPHIC SOCIETY. 17-year locust [*Magicicada septendecim*] "made in U. S." is singer, carpenter and mason. Natl. Geog. News B. 6604, 2 p., processed. Washington, D. C., 1945. 470 N124

Also in Sci. Digest 18(4): 79-80. Oct. 1945. 470 Sci27

3220 PLOPER, J. No permita que el pulgón verde [Toxoptera graminum], extermine su sembrado! Se hace indispensable una acción común para acabar con el flagelo. Campo y Arado 1(5): 16. Aug. 1945. 9 C152

3221 PROVASOLI, L. Gli afidi della rose. Nota I<sup>a</sup>: *Macrosiphum rosae* L. Milan. R. U. B. di Zool. Agr. e Bachicoltura 11: 3-48. 1941/42, pub. 1942. Ref. 423.92 B63

3222 SILVA, P. Sobre a espécie de *Phrictus* (Hom., Fulgoridae), atacando o cacaueiro na Baía. Rev. de Ent. 16: 267-268. Aug. 1945. 421 R326

3223 SMITH, H. D. La "mosca prieta" de los cítricos [*Aleurocanthus woglumi*] en la costa occidental de México y la importación y colonización de *Eretmocerus serinus* Silv. para su control. Mex. Ofic. Fitosan. Fitófilo 4: 67-103, processed. Mar./Apr. 1945. 421 F55

Translated by A. Blackaller from English manuscript.

3224 TAYLOR, T. H. C. *Lygus simonyi*, Reut., as a cotton pest in Uganda. B. Ent. Res. 36: 121-148. Sept. 1945. 421 B87

3225 WYGODZINSKY, P. Duas espécies novas de Emeinae, dos gêneros *Ploiaria* [P. *geijskesi*] e *Rothbergia* [R. *borgmeieri*] (Reduviidae, Hemiptera). Rev. de Ent. 16: 244-248. Aug. 1945. 421 R326

English summary.

#### HYMENOPTERA

3226 ALPHANDÉRY, E. Le chalicodome des mursilles [Chalicodoma muraria]. Gaz. Apic. 43: 168-169. Nov. 1942. 424.8 G25

3227 ALPHANDÉRY, E. Le Xylocope [Xylocope violaceae]. Gaz. Apic. 43: 154-155. Oct. 1942. 424.8 G25

3228 BANKS, N. Two new species [Arochnophila brevihirta, Aeniella pallida] of Pemphocidae. Psyche 52: 105-106. Mar./June 1945. 421 P95

3229 BENSON, R. B. Further note on the classification of the Diprionidae (Hymenoptera, Symphyta). B. Ent. Res. 36: 163-164. Sept. 1945. 421 B87

3230 BEQUAERT, J. Color variation in the American social wasp, *Polistes canadensis* (Linnaeus). With descriptions of two new forms (Hymenoptera, Vespidae). B. Ent. Venezol. 2: 107-124. June 30, 1943. 421 B63

New forms: *P. canadensis anduzei*; *P. canadensis eburneus*.

3231 BRADLER, C. Species of bees. Beekeepers Item 29: 314-315. Sept. 1945. 424.8 B397

3232 CREIGHTON, W. S. Observations on the subgenus *Rhachiocrema* (Hymenoptera: Formicidae) with the description of a new species from Borneo. Psyche 52: 109-118. Mar./June 1945. 421 P95

*Crematogaster* (*Rhachiocrema*); *C. macracantha* n. sp.

\* 3233 DAVEY, H. W. Parasites of ants.

Victorian Nat. 62: 105. Oct. 1945. 410 V66

3234 FRENCH, F. A. Ants in ink. Nature Mag. 38: 449. Nov. 1945. 409.6 N214

Survive for over 60 hours in bottle of green ink.

3235 GREGG, R. E. Two new forms of *Monomorium* (Formicidae). Psyche 52: 62-69. Mar./June 1945. 421 P95

*M. peninsulatum* n. sp.; *M. minimum emersoni* n. ssp.

3236 HAMBLETON, E. J. El exterminio de la hormiga agricultora o parasol [Atta spp.]. Café de El Salvador 15: 250-257. June 1945. 68.28 C112

3237 LUISONI, J. A. Un método práctico para destruir hormigueros. Chacra 14(164): 34. June 1944. 9 C34

3238 MELIN, D. The function of the pore-plates in Hymenoptera. Uppsala U. Zool. Bidr. 20: 304-344. 1941. Ref. 410 Up6

3239 MERCER, R. D. Must fight sawfly [Cephus cinctus]. Mont. Farmer 33(4): 12. Oct. 15, 1945. 6 M764

3240 NIELSEN, E. T. Moeurs des Bembex; monographie biologique avec quelques considérations sur la variabilité des habitudes. Copenhagen. U. Zool. Mus. Skr. 7: 1-174. 1945. Ref. 410.9 C79

Colored plates.

3241 NIXON, G. E. J. A revision of the European *Dacnusiini* (Hym., Braconidae, Dacnusiinae). Ent. Monthly Mag. 81: 217-229. (Cont.) Oct. 1945. 421 En86

3242 OSORIO, J. M. El insecto [Bephrata cubensis], que perfora los frutos de las anonáceas. Control de Plagas 8: 92-96. Nov. 1945. 464.8 C76

3243 PIC, M. Un nouveau "Pamphilus" Latr. [theresae] (Hym.). Échange 157: 9. Aug. 5, 1941. 420 Ec4

3244 SCHAEFFER, E. W. A complementary lethal effect in the sex-linked group of *Habrobracon* [i. e. *Microbracon*]. Amer. Nat. 79: 509-522. Nov./Dec. 1945. Ref. 470 Am35

Experiments with *M. hebetor*.

3245 SCHUSTER, R. M. A key to the Central American, Mexican and West Indian species of *Ephuta* (Mutillidae), with descriptions of new species. Rev. de Ent. 16: 187-204. Aug. 1945. Ref. 421 R326

3246 SCHWARZ, H. F. Some Venezuelan bees. B. de Ent. Venezol. 2: 27-34. Mar. 31, 1943. 421 B63

Spanish summary.

Includes *Trigona opaca anduzei* n. var.

3247 SEAMANS, H. L., MANSON, G. F., and FARSTAD, C. W. The effect of the wheat stem sawfly (*Cephus cinctus* Nort.) on the heads and grain of infested stems. Ent. Soc. Ontario, Ann. Rpt. (1944) 75: 10-15. 1945. 420 On8

3248 TEAL, E. W. World of a wild bee [Halictus]. Nature Mag. 38: 461-464, 494. Nov. 1945. 409.6 N214

With photographs.

3249 WEBER, N. A. The biology of the fungus-growing ants. Part VIII. The Trinidad, B. W. I., species. Rev. de Ent. 16: 1-58. Aug. 1945. Ref. 421 R326

3250 WEBER, N. A. New ants from Venezuela and neighboring countries. B. Ent. Venezol. 2: 67-78. June 30, 1943. 421 B63

New spp. and forms in: Eciton; Pogonomyrmex; Pheidole; Leptothorax; Dendromyrmex 4.  
See also Apiculture and Apis mellifera.

## LEPIDOPTERA

3251 BAKER, A. D., and PERRON, J. P. Chemical control experiments with the pea moth, *Laspeyresia nigricana* (Steph.) on the Gaspé Coast. Ent. Soc. Ontario, Ann. Rpt. (1944) 75: 22-33. 1945. Ref. 420 On8

3252 BARLOW, P. A new S. I. butterfly [*Asterocampa celtis*]. Staten Isl. Inst. Arts and Sci. Mus. B. 28: 18. Nov. 1945. 500 St2M

3253 BOYER, C. A. Oriental peach moth [*Grapholitha molesta*]. Calif. Dept. Agr. Spec. P. 209, p. 105-107. 1945. 2 C121S

West. Plant Bd. Proc. 25th Ann. Conf., 1944.

3254 BURKHOLDER, C. L. Pruning apples, as an aid in codling moth [*Carpocapsa pomonella*] control. Ill. State Hort. Soc. Trans. (1944) 78: 77-81. 1945. 81 IL6

Discussion, p. 81-86.

3255 CAPDEVILLE C., C. La polilla del frejol [*Epinotia opposita*]. Agrario 10(366): 5. Aug. 16, 1945. 9.3 Ag85

3256 CHANDLER, S. C. Codling moth [*Carpocapsa pomonella*], studies of 1944. Ill. State Hort. Soc. Trans. (1944) 78: 125-139. 1945. 81 IL6

3257 COLLENETTE, C. L. Pieridae and sundews. Entomologist 78: 129-130. Sept. 1945. 421 En8  
Pieris rapae caught by *Drosera anglica*.

3258 CORBET, A. S. Notes on the butterflies of North Kedah, Malaya. Entomologist 78: 137-141. Sept. 1945. 421 En8

3259 D., G. Protection des pommes de terre contre les attaques des teignes [*Gnorimoschema operculella*, de la tubercule. Rev. Agr. de la Nouvelle-Calédonie, Apr. 1945, p. 5538-5542. 25 N43

3260 DAVIAULT, L. Recherches sur la tordeuse des bourgeons de l'épinette [*Archips fumiferana*], en 1945. Forêt Québécoise 10: 197. Oct. 1945. 99.8 F79

3261 EDWARDS, C. T. G. Gregarious larvae [*Lepidoptera*]. So. London Ent. and Nat. Hist. Soc. Proc. and Trans. 1944/1945: 60-63. 1945. 420 So8

3262 FARRAR, M. D. Short cuts in the apple orchard. Ill. State Hort. Soc. Trans. (1944) 78: 73-77. 1945. 81 IL6

Chiefly control of *Carpocapsa pomonella*.

3263 FEDOTOV, D. M. *Avleniia reduktsii organov v ontogeneze zimnei nadenitsy* (*Operophtera brumata* L) (Organ reduction phenomena in the ontogeny of the winter moth (*Operophtera brumata* L)). Akad. Nauk S. S. S. R. Inst. Evolutsii, Morf. im. Akad. A. N. Severtsova. Pamiaty Akad. Severtsova, 1866-1936, 2(1): 123-208. 1940. Ref. 444 Ak1  
English summary, p. 203-208.

3264 FENNE, S. B. The bagworm [*Thyridopteryx ephemeraeformis*], an injurious shade-tree insect. Gard. Gossip 20(11): 9. Nov. 1945. 80 G1625

3265 FORMA de combatir las plagas del algodonero lagarta rosada [*Platyedra* [i. e. *Pectinophora*] *gossypiella*]. Argentina. Min. de Agr. Almanaque (1945) 20: 183-187. 9 Ag874

3266 FRASER, F. C. British born and bred *Pontia daplidice* L. (Lep., Pieridae). Ent. Monthly Mag. 81: 237. Oct. 1945. 421 En86

3267 GATES, L. M. The oriental fruit moth [*Grapholitha molesta*] quarantines in the light of "principles of plant quarantine." Calif. Dept. Agr. Spec. P. 209, p. 104-105. 1945. 2 C121S

West. Plant Bd. Proc. 25th Ann. Conf., 1944.

3268 GOLDING, F. D. Fruit-piercing *Lepidoptera* in Nigeria. B. Ent. Res. 36: 181-184. Sept. 1945. 421 B87

Damage by phalaenid moths and the butterfly *Melanitis leda ismene*.

3269 GRANDORI, R. Cinque anni di lotta contro la *Cydia* [i. e. *Grapholitha*] *molesta* nel Mantovano. Milan. R. U. B. di Zool. Agr. e Bachicoltura 10: 139-168. 1940, pub. 1941. 423.92 B63

3270 GREGORY, F. W., and FEATHERSTON, R. V. Hot water treatment, under field conditions, of peach vits infested with raisin moth [*Ephestia figulilella*]. Ent. Soc. Ontario. Ann. Rpt. (1944) 75: 34-35. 1945. 420 On8

3271 HAEUSSLER, G. J. The oriental fruit moth [*Grapholitha molesta*] in relation to dormant nursery stock. Calif. Dept. Agr. Spec. P. 209, p. 92-103. 1945. 2 C121S

West. Plant Bd. Proc. 25th Ann. Conf., 1944.

3272 HESS, L. The jump in the jumping bean [*Carpocapsa saltitans*]. Nature Mag. 38: 473-475. Nov. 1945. 409.6 N214

With photographs.

3273 HOLBROOK, S. Loopers in the big timber; what happened this summer in the Oregon woods when DDT was turned against the hemlock looper [*Ellopia fiscellaria lugubrosa*], hungry enemy of big timber. Amer. Forests 51: 476-479, 519-520. Oct. 1945. 99.8 F762

3274 HOWES, W. G. New *Lepidoptera*. Roy. Soc. New Zeal. Trans. and Proc. 75: 65-67. June 1945. 514 W46

*Aletia probenota* n. sp.; *A. argentaria* n. sp.; *Melandra sericata* n. sp.

3275 JACOBS, S. N. A. On the British species of the genus *Lithocolletis*, Hb. So. London Ent. and Nat. Hist. Soc. Proc. and Trans. 1944/1945: 32-59. 1945. 420 So8

Colored plate.

3276 LANE, J. Os sabetineos da América. (Addenda e corrigenda). Rev. de Ent. 16: 132-157. Aug. 1945. Ref. 421 R326

Includes n. spp.: *Wyeomyia downsi*; *W. colombiana*.

3277 LAUDERDALE, J. L. E. Recently questioned requirements of oriental fruit moth [*Grapholitha molesta*] quarantines. Calif. Dept. Agr. Spec. P. 209, p. 107-112. 1945. 2 C121S

West. Plant Bd. Proc. 25th Ann. Conf., 1944.

Consists mainly of annotated bibliography of *G. molesta*.

3278 LEEDS, H. A. Monk's Wood, Hunts, and its environment: past and present. So. London Ent. and Nat. Hist. Soc. Proc. and Trans. 1944/1945: 75-80. 1945. 420 So8

Collecting *Lepidoptera*.

3279 LE MOULT, E. Description d'une nouvelle espèce de *Drepanoptera* [*D. cotei*] Rothsch. (Lep., Saturniidae). Novitates Ent. 10: 140. Dec. 1940. 421 N85

Includes 157 n. spp. and forms.

3280 LE MOULT, E. Revision du genre *Helicopsis* (Lep., Erycin.). (2<sup>e</sup> note.) Novitates Ent. 10: 97-140. (Concl.) Dec. 1940. 421 N85

Includes 157 n. spp. and forms.

3281 LICHY, R. Documents pour servir à l'étude des *Lepidopteres* de la faune américaine. Sur le dimorphisme saisonnier chez deux *Terias* [*T. proterpia*, *T. daira*] (Lépid., Rhopal., Pieridae). B. de Ent. Venezol. 2: 175-184. Dec. 31, 1943. 421 B63

3282 LICHY, R. Documents pour servir à l'étude des *Sphingidae* du Venezuela (Lépid., Heter.) 1-3. B. Ent. Venezol. 2: 1-16, 103-106, 157-160. Mar. 31, June 30, Oct. 30, 1943. 421 B63

Spanish summaries.

Contents: 1. Une forme nouvelle de l'*Amplipterus tigrina* Fld. (*A. tigrina sinera*); 2. Une aberration de *Protambulyx strigilis* L.; 3. Une strange aberration ♀ de *Herse cingulata* F. (*H. cingulata tukurine*).



**3283 LUSCHER, M.** Experimentelle untersuchungen über die larvale und die imaginale determination im ei der kleidermotte (*Tineola biselliella* [i. e. *bisselliella*] Hum.). Rev. Suisse de Zool. 51: 531-627. Dec. 1944. Ref. 410 R324

**3284 MCDUNNOUGH, J.** New North American Geometridae with notes, IV. Canad. Ent. 77: 97-103. June 1945. 421 C16

New sp. in: *Xanthorhoe*; *Vinemina*; *Galenara*; *Stenoporpia* 2; *Gabriola* 2; *Euchlaena*.

**3285 MACKIE, D. B.** Potato tuber moth [*Gnorimoschema operculella*] with special reference to its quarantine aspects. Calif. Dept. Agr. Spec. P. 209, p. 36-42. 1945. 2 C1215

West. Plant Bd. Proc. 24th Ann. Conf., 1942.

Discussion, p. 42-43.

**3286 MORETTI, G.** Interventi d'urgenza contro la stilpnazia del salice [*Stilpnotia salicis*]. Milan. R. U. B. di Zool. Agr. e Bachicoltura 11: 75-88. 1941/42, pub. 1942. 423.92 B63

As a pest of the poplar.

**3287 NABOKOV, V.** Notes on Neotropical Plebejinae (Lycaenidae, Lepidoptera). Psyche 52: 2-61. Mar./June 1945. 421 P95

New g. included are: *Parachilades*; *Pseudotheca*; *Pseudochrysops*; *Cyclargus*; *Echinargus*; *Pseudolucia*; *Paralycaeus*.

**3288 PAILLOT, A.** Rôle des facteurs microbiens dans la destruction naturelle de la cochyliis [*Clysia ambiguella*] et de l'eudémis [*Polychrosis botrana*] de la vigne. Acad. d'Agr. de France. Compt. Rend. 27: 151-155. Feb. 5/12, 1941. 14 P215

*Spicaria farinosa* verticilloides most abundant.

**3289 PEPPER, J. O.** Heating of stored grain usually indicates moths. Sitotroga cerealella. Pa. Grange News 42(7): 16. Oct. 1945. 6 P38

**3290 ROSENBERG, G.** El DDT y sus posibilidades en el control de la Carocaca pomonella. Chile. Dir. Gen. de Agr. Agr. Tec. 5(1): 65-69. Jan./June 1945. 464.9 C432B

English summary.

**3291 RUSSO, G.** Un nuovo piralide: *Mabra russoi* Schaus dannoso alla canna da zucchero nella Repubblica Dominicana (Antille). Riv. di Biol. Colon. 3: 139-144. Apr. 1940. 442.8 R522

French, English, and German summaries.

Includes discussion of parasite *Brachymeria ovata*.

**3292 SCHAEFFER, K.** Zur diagnose der eliminationsubstanz bei der eireifung von schmetterlingen (*Solenobia*). (Vorläufige Mitteilung.) Rev. Suisse de Zool. 51: 437-441. July 1944. 410 R324

**3293 SCHOFFELMAYER, V. H.** The pink menace. Furrow, St. L. So. - D [Ed.] 50: 4, 12. July/Aug. 1945. 6 P98SLs

Pink bollworm, *Pectinophora gossypiella*.

**3294 THE SENSE of smell in Lepidoptera.** Perfumery and Essential Oil Rec. 36: 61-63. Mar. 1945. 308.3 P41

**3295 SEVASTOPULO, D. G.** Food-plants of the Sphingidae (Lep.). Ent. Monthly Mag. 81: 238. Oct. 1945. 421 En86

**3296 SMEE, C.** A caterpillar eating air-cured tobacco. Nyasaland Agr. Q. J. 5: 94-95. Oct. 1945. 24 N983

A species of *Crabminae*.

**3297 STEINER, L. F., SUMMERLAND, S. A., and FAHEY, J. E.** Experiments with DDT for codling moth [*Carpocapsa pomonella*] control at the Vincennes, Ind. laboratory. Ill. State Hort. Soc. Trans. (1944) 78: 153-170. 1945. 81 IL6

**3298 THOMPSON, R. W.** The status of the European corn borer [*Pyrausta nubilalis*] in Ontario in 1944. Ent. Soc. Ontario. Ann. Rnt. (1944) 75: 6-8. 1945. 420 On8

**3299 TIRELLI, M.** L'influenza del clima tropicale sul voltinismo del *Bombyx mori* L. Riv. di Biol. Colon. 4: 63-76. Apr. 1941. 442.8 R522

**3300 TRIOLA, P. DE LA.** La polilla de la patata [*Gnorimoschema operculella*]. Cult. Mod. 28(1): 6. Jan. 1945. 15 C89

**3301 URSONE, G. G.** Osservazioni ed esperienze biologiche sulla *Cydia* [i. e. *Grapholitha*] molesta Busck. Milan. R. U. B. di Zool. Agr. e Bachicoltura 10: 111-138. 1940, pub. 1941. Ref. 423.92 B63

**3302 VOGL, P. C.** Esfngidos (Sphingidae) y dipteros (Diptera) de la Hacienda La Trinidad de Maracay, coleccionados por P. Cornelius Vogl. Soc. Venezol. de Cien. Nat. B. 9: 321-323. July/Sept. 1944. 516 C172

**3303 VOLZ, A. G.** Red humped caterpillar [*Schizura concinna*]. Calif. Cult. 92: 542-543. Oct. 13, 1945. 6 C12

Pest of walnut trees.

**3304 WAKELY, S.** Notes on the genus *Mompha*. So. London Ent. and Nat. Hist. Soc. Proc. and Trans. 1944/1945: 81-84. 1945. 420 So8

Colored plate.

**3305 WILLIAMS, C. B.** Evidence for the migration of Lepidoptera in South America. Rev. de Ent. 16: 113-131. Aug. 1945. Ref. 421 R326

**3306 WILTSHIRE, E. P.** Studies in the geography of Lepidoptera. III: The zoogeographical classification of west Palearctic species. Entomologist 78: 131-136. (Concl.) Sept. 1945. 421 En8

See also Sericulture and the Silkworm.

## ORTHOPTERA

**3307 ARGENTINA. MINISTERIO DE AGRICULTURA.** Origen y formación de las mangas de langostas [*Schistocerca gregaria*] que invaden la región agrícola. Bolsa de Cereales, Buenos Aires. Rev. 32(1714): 63-64. Aug. 25, 1945. 287 B866

**3308 BUCKELL, E. R.** The grasshopper [*Melanoplus mexicanus*] outbreak of 1944 in British Columbia. Canad. Ent. 77: 115-116. June 1945. 421 C16

**3309 DAS, S.** Locust as food and manure. Indian Farming 6: 412. Sept. 1945. 22 In283

**3310 EL-KHOLY, S., and GOHAR, M. A.** Cockroaches as possible carriers of disease. Roy. Egypt. Med. Assoc. J. 28: 82-86. Mar. 1945. 448.9 Eg93

**3311 JAMES, H. G.** A note on the mortality of *Mantis religiosa* L. in the egg stage. Ent. Soc. Ontario. Ann. Rnt. (1944) 75: 35-37. 1945. 420 On8

**3312 THE LOCUSTS of the land.** Co-op Grain Q. 3(3): 49-56. Aug. 1945. 280.28 C7898

Same text also in Northwest. Miller 224(6): 30-31, 70-71, 74, 97. Nov. 6, 1945. 298.8 N81

**3313 RAU, P.** Notes on the life history of *Periplaneta fuliginosa* Serv. Psyche 52: 107-108. Mar./June 1945. 421 P95

**3314 ROSELLA, E.** Un ennemi des jardins: la courtillière [*Gryllotalpa gryllotalpa*]. Prog. Agr. et Vitic. 116: 8-9. July 6, 1941. 14 P94

**3315 RUNGS, C.** La lutte contre les criquets pèlerins [*Schistocerca gregaria*] adultes au cours de la campagne 1944-45. Terre Maroc. 15(190): 12-13. Sept. 1945. 24 T44

**3316 TAUBER, O. E., DRAKE, C. J., and DECKER, G. C.** Effects of different food plants on egg production and adult survival of the grasshopper, *Melanoplus bivittatus* (Say). Iowa State J. Sci. 19: 343-359. July 1945. Ref. 470 Io9

## SERICULTURE AND THE SILKWORM

**3317 ACHAYA, K. T.** The possibilities of sericulture in Ceylon. Trop. Agr. [Ceylon] 100: 231-235. Oct./Dec. 1944. 26 T751

**3318 APPADHORA, MUDALIAR, V. M.** Time-honoured method of steaming cocoons. Why not follow other methods? Indian Textile J. 55(659): 808-813, 818. Aug. 1945. 304.8 In2

Includes control of *Dermestes lardarius*.

3319 CAMUSSI, L. Esperimenti, per controllare l'immunizzazione dei bachi da seta [*Bombyx mori*] contro la pebrina col metodo Karakan. Milan. R. U. B. di Zool. Agr. e Bachicoltura 10: 73-99. 1940, pub. 1941. 423.92 B63.

3320 UN DERIVADO interesante de la cría del gusano de seda, fabricación de crin de Florencia. Argentina. Min. de Agr. Almanaque (1945) 20: 181. 9 Ag874

3321 FONSECA FILHO, I. DE. Sericicultura: estivação, hibernação e incubação dos ovos do "*Bombyx mori*". Rev. Rural Bras. 25(299): 36-41. July 1945. 9.2 B733

3322 GRANDORI, R., and GRANDORI, L. Nuovi esperimenti sulla somministrazione di sostanze attivatrici della crescita ai bachi da seta [*Bombyx mori*]. Milan. R. U. B. di Zool. Agr. e Bachicoltura 10: 9-15. 1940, pub. 1941. 423.92 B63

3323 HARDY, E. Can Italy and France revive their silk culture? Silk J. and Rayon World 21(256): 30-31. Sept. 1945. 304.8 S13

3324 MILIAEV, A. Rezervy shelkovodstva na delo oborony [Resources of sericulture for defense]. Sovetsk. Sel'sk. Khoz. 12(7/8): 46-50. July/Aug. 1941. 281.8 S673

Organization of silk-worm breeding on the collective farms.

3325 PILOTTO, B. A. Panorama sericicola del país. Argentina. Min. de Agr. Almanaque (1945) 20: 407-408. 9 Ag874

3326 TARASEVICH, L. M. K morfologii poliedrov zheltukhi tutovogo shelkopriada [*Bombyx mori*] [On the morphology of the polyhedrons of mulberry silk-worm faunice]. Mikrobiologiya 14: 202-208. 1945. 448.3 M582

English summary.

#### SMALLER ORDERS

3327 AUBERT, J. Le microptérisme chez les pléocoptères [Plecoptera] (perlariés). Rev. Suisse de Zool. 52: 395-399. Aug. 1945. 410 R324

3328 BANKS, N. Neuroptera of northern South America. I-II. B. Ent. Venezol. 2: 59-66, 161-173. June 30, Oct. 30, 1943. 421 B63

Spanish summaries.

Includes n. g.: *Nemotolus*, *Antilloleon*, *Navasoleon*; n. spp.: *Corydalus boliviari*, *Amazoleon modestum*, *Sosa gentilis*.

3329 CARPENTER, F. M. Panorpidæ from China (Megoptera). Psyche 52: 70-78. Mar./June 1945. 421 P95

Includes n. spp. in: *Panorpa* 2; *Neopanorpa* 3.

3330 COSTA, O. G. An extensive case of chigoe *Tunga penetrans*, infestation (dermatophylia). J. Trop. Med. and Hyg. [London], Oct./Nov. 1945, p. 121-122. 448.8 J827

3331 EMERSON, A. E. The neotropical genus *Syntermes* (Isoptera: Termitidae). Amer. Mus. Nat. Hist. B. 83: 427-471. 1945. Ref. 500 N483B

New spp. and forms in *Syntermes* 7.

3332 HAMPTON, B. C. Plague infection reported in the territory of Hawaii during 1944 and summary of human cases, 1899-1944. Pub. Health Rpts. 60: 1365-1368. Nov. 16, 1945. 151.65 P96

Principal vector, *Xenopsylla cheopis*.

3333 HAMPTON, B. C. Plague infection reported in the United States during 1944 and summary of human case, 1900-44. Pub. Health Rpts. 60: 1361-1365. Nov. 16, 1945. 151.65 P96

Includes fleas as vectors of sylvatic plague.

3334 JORDAN, K. Siphonaptera collected by Mr. J. L. Chaworth-Musters in northeastern Afghanistan. London. Zool. Soc. Proc. 114: 360-367. Dec. 1944. 410.9 L84P

Includes new spp. and forms in: *Monopsyllus*; *Citelophilus*; *Frontopsylla*; *Phaenopsylla* n. g.; *Amphipsylla*; *Mesopsylla*.

3335 KELSEY, J. M. A termite damaging coconut-palms on Suvarro Island: *Calotermes* [i.e. *Kalotermes*] (*Neotermes*) *rainbowi* Hill. New Zeal. J. Sci. and Technol. Sect. B, Gen. 27(1): 62-75. July 1945. 514 N48B

3336 MORETTI, G. Studi sui tricoteri [Trichoptera]. XII-XV (i. e. XIV?). Milan. R. U. B. di Zool. Agr. e Bachicoltura 10: 1-8, appendix, p. 259-291; 11: 89-131. 1940, pub. 1941; 1941/42, pub. 1942. Ref. 423.92 B63

Contents: XII. I tricoteri del Museo Zoologico di Firenze; XIII. I tricoteri della Sardegna; XIV?. Comportamento del *Trienodes bicolor* Curt. (*Trichoptera-Leptoceridae*) nelle risaie a vicenda e in allevamenti sperimentali (ecologia, regime dietetico, dannosità; morfologia dell'apparato boccale).

3337 NEEDHAM, J. G. Notes on some gomophine dragonflies from Venezuela and Guatemala. B. de Ent. Venezol. 2: 197-206. Dec. 31, 1943. 421 B63

Spanish summary.

Includes *Cyclophylia anduzei* n. sp., *Progomphus williamsi* n. sp.

3338 SALMON, J. T. New genera, species and records of New Zealand Collembola, and a discussion of *Entomobrya atrocincta* Schött. New Zeal. Dominion Mus. Rec. 1: 123-182. 1944. Ref. Natl. Mus. Libr.

Includes 50 n. spp. and forms, and 9 n. g.

3339 SALMON, J. T. Notes and synonymy on some generic names of the Collembola. Roy. Soc. New Zeal. Trans. and Proc. 75: 68-71. June 1945. 514 W46

3340 SYMS, E. E. Notes on British Plecoptera. So. London Ent. and Nat. Hist. Soc. Proc. and Trans. 1944/1945: 85-89. 1945. Ref. 420 S68

3341 TRAVER, J. R. New Venezuelan mayflies [Ephemera]. B. Ent. Venezol. 2: 79-98. June 30, 1943. 421 B63

New spp. in: *Thraulius*; *Leptohyphes*; *Tricorythodes*; *Baetis*; *Pseudocloeon* 3; *Baetodes*.

3342 TWINN, C. R. Fleas and plague in English poetry and drama. Pests 13(11): 14, 16, 18, 20. Nov. 1945. 449.8 Ex8

Refers to *Pulex irritans*, *Ctenocephalides felis*, and *C. canis*.

3343 VISINTIN, B., and others. Studi sulle termiti. 7-11. Riv. di Biol. Colon. 4: 27-44, 55-62, 157-159; 5: 13-17, 19-40. Apr., June 1941, Apr. 1942. Ref. 442.8 R522

Contents: 7. Ricerche sulla digestione in *Calotermes* [i. e. *Kalotermes*] *flavicollis*, by B. Visintin; 8. Le spirochette delle termiti italiane, by I. Archetti and G. M. Ghidini; 9. Schizomiceti o protozoi cellulolitici nell'intestino delle termiti? by E. Baldacci; 10. Ricerche citologiche sull'emolinfa di *Calotermes* [i. e. *Kalotermes*] *flavicollis*, by L. Padoa; 11. Le *Trichonympha* di *Reticulitermes lucifugus* Rossi, by G. G. Maria.

3344 WOLMAN, B., and WOLMAN, M. Studies of the biological properties of *Spirochaeta* [i. e. *Borrelia*] recurrentis in the Ethiopian high plateau. Ann. Trop. Med. and Parasit. 39: 82-93. Oct. 10, 1945. Ref. 448.9 L75A

Lice are stated to be sole vectors in Addis Ababa.

#### Anoplura and Mallophaga

3345 GRENOUILLEAU, G. L'épidémie de typhus en Algérie (1941-1942-1943). Inst. Pasteur d'Algérie. Arch. 22: 353-379. Dec. 1944. 448.3 In7A

Includes discussion of lice as vectors and of their control.

3346 MARIANI, G. *Pediculus humanus corporis*, biologia in rapporto alla disinfestazione. Riv. di Biol. Colon. 4: 237-261. Oct. 1941. 442.8 R522



**3347** MARIANI, G., and ARCHETTI, I. Ricerche sulla disinfestazione spontanea dal *Pediculus humanus*. Riv. di Biol. Colon. 5: 79-88. Aug. 1942. 442.8 K522

Experiments showing effect of temperature on *P. humanus*.

**3348** STAFFORD, F. W. Some Venezuelan Mallophaga. B. de Ent. Venezol. 2: 35-58. Mar. 31, 1943. 421 B63

Spanish summary.

Includes n. sp. in: Myrsidea; Colpocephalum 2; Brüelia; Paragoniotes.

**3349** TAYLOR, J. C. DDT for lice [on cattle]; works as powder or as water spray in Montana. Ariz. Farmer 24(20): 5. Oct. 20, 1945. 6 Ar44

**3350** WELCH, H. DDT for cattle lice. Mont. Farmer 33(4): 24. Oct. 15, 1945. 6 M764

## AGRICULTURAL ENGINEERING

### GENERAL

**3351** BARANOV, F. I. Opredelenie razmerov koles i kolesnykh khodov, optimal'nykh s tochki zreniya soprotivleniya perekatyvaniyu [Determining the dimensions of wheels and their movements, best from the point of view of resistance to rolling over]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok., No. 1, p. 89-90. 1945. 20 M857

**3352** BEARER, E. V. Effective instruction in farm and home safety. Agr. Ed. Mag. 18: 89, 91. Nov. 1945. 275.8 Ag8

Causes of farm accidents; organization and teaching of farm and home safety.

**3353** CAVERO, M. Las mejoras rurales. In Spain. Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr., p. 113-119. Madrid, 1945. 15 Sp12C

Considerations on the making of farm improvements.

**3354** HAYTER, E. W. The fencing of western railways. Agr. Hist. 19: 163-167. July 1945. 50.98 Ag8

**3355** HAZEN, L. E. To develop a convenient farmstead start with the driveway. Farmer-Stockman 58: 434. Nov. 1945. 6 Ok45

**3356** HENDRIKSEN, E. M. Farm accidents and what can be done to prevent them. N. Y. State Grange. J. Proc. 72: 101-106. 1944. 4 M483

**3357** HOLMES, G. A. What is a fence? Subjects of frequent disputes, the definition of boundaries and responsibility for their upkeep have proved a simpler matter in New Zealand, thanks to a wiser form of legislation. Farmers Weekly [London] 23(15): 31. Oct. 12, 1945. 10 F2226

**3358** MCCAMUS, R. Picker accident-time. Farmer [St. Paul], Gen. Ed. 63(22): 7. Nov. 17, 1945. 6 F2211

Safety.

**3359** MALEVSKIY, N. Zashchita urozhaya ot požarov [Protection of harvest from fires]. Sotsialist. Sel'sk. Khoz. 12(7/8): 69-71. July/Aug. 1941. 281.8 So73

**3360** MATLICK, J. O. Better roads for Kentucky's farmers. Ky. Farmer's Home J. 81(10): 5. Oct. 1945. 6 F2237

**3361** MEAL, J. H. Good livestock management requires good fences. Prog. Farmer, Miss.-Ark.-La. Ed. 60(11): 74. Nov. 1945. 6 So81

**3362** POLLOM, L. B. What have we learned about farm mechanics? Agr. Ed. Mag. 18: 112. Dec. 1945. 275.8 Ag8

Value of mechanical training.

**3363** RAMBO, E. K. Standards set for electric fences. Agr. Leaders' Digest 26(8): 34, 36. Oct. 1945. 275.28 Am3

**3364** SODERBERG, P. M. Two common faults in gates. Poultry Farmer [London] 113(2934): 6. Sept. 14, 1945. 47.8 F312

**3365** SOLBERG, S. A. De store ødeleggelser ved brand [Great destruction by fire]. Norsk Landbruk 11: 298-299. Oct. 26, 1945. 11 N8122

**3366** TURNER, A. W. Don't buy a junk pile; in buying surplus war materials it will pay you to remember that no piece of equipment is a bargain at any price unless you can put it to good use. South. Agr. 75(11): 14. Nov. 1945. 6 So83

**3367** TURNER, A. W. Shall farmers buy surplus war goods? Agr. Leaders' Digest 26(8): 22. Oct. 1945. 275.28 Am3

### FARM MACHINERY

#### General

**3368** ARHM, J. Våra jordbruksredskap [Our agricultural equipment]. Lantmannen 29: 620. July 7, 1945. 11 L234

**3369** BARONA, F. La calidad de los materiales en relación con el costo de la construcción. Irrig. en Méx. 26(2): 51-63. Apr./June 1945. 55.8 Ir76

Irrigation structures and materials.

**3370** BELL, L. J. Roll improvement; some suggestions for reducing drag and improving the work. Farmers Weekly [London] 23(14): 29. Oct. 5, 1945. 10 F2226

**3371** BLAIR, J. G. Speed-sprayer demonstrations interesting and instructive. Canad. Hort. & Home Mag. Growers' Ed. 68: 185. Sept./Oct. 1945. 80 C16

**3372** BUSCH, O. Svensk traktor-man åter från USA [Swedish tractor man back from U.S.A.]. Lantmannen 29: 744-745. Aug. 18, 1945. 11 L234

Impressions of American agricultural equipment industry.

**3373** C., R. D. At Hinsdale farm. Country Guide 64(11): 40-41. Nov. 1945. 7 G76

Notes on International Harvester's exhibition.

**3374** CARLETON, R. M. Forget the sun! With a copy of the new Glenn Dale propagator, you can thumb your nose at Old Sol, and start sturdy hedges and vigorous seedling plants in one corner of your basement this winter. Better Homes & Gardens 24(3): 87, 92. Nov. 1945. 80 F9424

**3375** CHARLES, F. E. Here's the way to plant and prosper. Furrow, St. L. So. - E [Ed.] 50: 4, 12-13. Sept./Oct. 1945. 6 F98SLs

Farm mechanization.

**3376** CLARK, G. They aim to sell every equipment need of farmers and mechanics. Farm Impl. News 66(21): 68-69. Oct. 11, 1945. 58.8 F22

Intervalley Equipment Co., Yakima, Wash.

**3377** CLARY, M. B. Exit the cannibal? Albers Egg Maker Mag. 21 (4): 5-6. Fall 1945. 47.8 AL1

Electric debeakers for poultry.

**3378** CORWIN, T. P. Corwin loader and elevator. Pa. Farmer 133: 245. Nov. 10, 1945. 6 F383

**3379** CUTTLE, D. Arguments on plunger and jet pumps pro and con. Calif. Dairyman 25(19, i. e. 18): 12. Oct. 27, 1945. 44.8 C12

**3380** AN EXCEPTIONAL display of new equipment. Farm Impl. & Mach. Rev. 71: 552-554. Nov. 1, 1945. 58.8 Im72

Demonstration organized by the Hampshire and Isle of Wight War Agricultural Executive Committees.

**3381** F., M. Want an extra pair of hands? Here's an easy trick for quick pickups. Home Gard. 6(4): 30. Oct. 1945. 80 H756

Lifting boards useful for gathering debris, etc.

**3382** FERGUSON, J. M. Winter protection for farm machinery. Kans. State Col. Ext. Neighborhood Leader, Oct. 1945, p. 1. 275.29 K13N

- 3383 FOWLER, B. B. Grass-roots genius. Implement companies are beginning to trace what might be called a beaten path to Tama County, Iowa, in search of ideas. Country Gent. 115(11): 20, 70, 72. Nov. 1945. 6 C833  
Joe B. Kucera, farmer-inventor.
- 3384 "A GAP in the curtain." The Institute reveals the latest trends in agricultural engineering [and equipment]. Farm Impl. & Mach. Rev. 71: 568-572. Nov. 1, 1945. 58.8 Im72  
National Institute of Agricultural Engineering.
- 3385 GILKESON, R. H. Machinery for every job; less work, lower cost farming will result. Mo. Ruralist 86(20): 16, 22. Oct. 27, 1945. 6 R8891
- 3386 GRIFFITHS, D. A. Get ready for spring. Power Farmer 4(1): 8-9. Jan. 1944. 58.8 P872  
Overhauling farm machinery.
- 3387 GUARD, S. R. Taking the back-break out. Breeder's Gaz. 110(11): 8, 23. Dec. 1945. 49 B74  
Notes on International Harvester's exhibition.
- 3388 HAMMOND, J. C. Another co-op service. Ohio Farm Bur. News 25(4): 21. Nov. 1945. 6 Oh34  
Maintenance of farm machinery.
- 3389 HEIMPFL, L. G. Home-made turning lathe. Family Herald and Weekly Star 76(44): 14. Oct. 31, 1945. 7 F21
- 3390 HEIMPFL, L. G. New machinery preview; International Harvester holds a week long "fashion show" of the new labor-saving implements now available to farmers. Family Herald and Weekly Star 76(45): 7, 12. Nov. 7, 1945. 7 F21
- 3391 HEIMPFL, L. G. Overhauling the electric water pump. Macdonald Col. J. 6(2): 8-9. Oct. 1945. 101 M144
- 3392 HOPKINS, A. W. Barn cleaning becoming mere kilowatt chore. Agr. Leaders' Digest 26(9): 34, 36. Nov. 1945. 275.28 Am3  
Electric barn cleaners.
- 3393 KELLY, C. B. Automatic acetylene explosions for scaring birds. Canad. Hort. & Home Mag. Growers' Ed. 68: 210. Nov./Dec. 1945. 80 C16
- 3394 KELSEY, R. T. IHC rolls back the curtain in preview of post-war farm machinery. Ohio Farmer 196(9): 32-33. Nov. 3, 1945. 6 Oh3
- 3395 KING, B. Y. Cutting down filler apple trees. Ill. State Hort. Soc. Trans. (1944) 78: 318-319. 1945. 81 IL6  
Use of special saw device.
- 3396 KIRKWOOD, F. B. We need more clover in cloverland. Stock & Dairy Farmer 35(2): 2. Nov. 1945. 6 N8195  
Discusses land-clearing equipment.
- 3397 LAMAU, Y. Un aperçu du problème actuel de la culture des terres. Prog. Agr. et Vitic. 115: 68. 71. Jan. 26, 1941. 14 P94  
Conservation of machinery, fuels, and power.
- 3398 LAMAU, Y. Le problème de nos machines agricoles. Prog. Agr. et Vitic. 114: 83-86. Aug. 11/18, 1940. 14 P94
- 3399 LASSETTER, W. C. Louisiana surges on in farm mechanization. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 16, 84. Dec. 1945. 6 So81
- 3400 LEES, A. B. Better spraying with less water; 10 gallons per acre by tractor-carried machine. Farmer & Stock-Breeder 59: 1512. Sept. 25, 1945. 10 F228
- 3401 LEES, A. B. Mechanisation for the small man. Farmer & Stock-Breeder 59: 1596-1597. Oct. 9, 1945. 10 F228
- 3402 MCCULLOCH, R. Farm tractors and implements; their selection, operation and maintenance. Agr. Ireland 3: 127-128, 124. Nov. 1945. 10.5 Ag8
- 3403 MASSEY, G. F. Contribution of power machinery. Soybean Digest 6(1): 18-19. Nov. 1945. 60.38 So9  
Cultivation and harvesting of the soybean.
- 3404 MASSEY, G. F. Thorell runs a flexible, common-sense and withall a profitable business. Farm Impl. News 66(21): 50, 52, 59-60. Oct. 11, 1945. 58.8 F22  
A. R. Thorell Supply Co., Stuttgart, Ark.
- 3405 MURDOCK, O. International openly displays revolutionary postwar machines. Impl. Rec. 42(11): 22-23, 50. Nov. 1943. 58.8 Im73
- 3406 NEWER tools in mechanized farming shown at Hinsdale farm in Illinois. Farmer's Advocate and Home Mag. 80: 788-789. Oct. 25, 1945. 7 F22  
International Harvester Co.'s exhibit.
- 3407 DALISAY, A. M. Farm machinery and equipment requirements for relief in the Philippines. Philippine Isl. Tech. Com. to the Pres. Rot. TC 4, 63 p., processed. Washington, D. C., 1944. 280.9 F532
- 3408 RAGUE BOTTEY, F. Importancia de las máquinas agrícolas. Cult. Mod. 28: 95-96. Mar. 1945. 15 C89
- 3409 ROHLF, J. A. What's new in farm machinery? Farm J. 69(12): 26-27. Dec. 1945. 6 F2212
- 3410 RURAL ELECTRIC EQUIPMENT COUNCIL. Recommendations on electric welders for farm use. Rural Electr. B. 3(2): 25-26. Oct. 1945. 335.8 R883
- 3411 SCHULER, L. A. This co-op thing is serious; tax-free, Government subsidized manufacturing and retailing organizations have unfair competitive advantage and are headed for a big share of farm equipment sales volume postwar. Impl. Rec. 42(11): 20-21, 78. Nov. 1945. 58.8 Im73
- 3412 SLOSSER, J. W. An improved sprayer boom for potatoes and other row crops. Agr. Engin. 26: 454-455. Nov. 1945. 58.8 Ag83
- 3413 STAUBS, W. Die neuzeitliche technik im dienst der bauernwirtschaft. Deut. Agrarpolitik 1: 40-43. Nov. 1942. 281.8 D48
- 3414 TIFFIN, W. T. New machine handles celery; crate closing device lightens losses. Fla. Grower 53(10): 17, 27. Oct. 1945. 80 F6622
- 3415 WATSON, J. G. Harvester stages preview. New England Homestead 118(21): 22. Nov. 10, 1945. 6 N442
- 3416 WHALLON, A. P. What factories can do for the farm - a farmer's view. Mfrs. Rec. 114(11): 46-47, 78, 80-81. Nov. 1945. 297.8 M31  
Manufacture of farm equipment.
- 3417 WILKES, R. S. Don't shovel snow - push it! Amer. Agr. 142: 467-468. Nov. 3, 1945. 6 Am3
- 3418 WOOD, J. B. Taking the sweat out of farming; one-man equipment which permits the small farm to operate as economically as the large, may change the trend of American agriculture and bring increased agricultural production. Nation's Business 33(11): 76, 78, 80, 82, 84. Nov. 1945. 286.8 N212
- 3419 WYMAN, N. La fabricación de implementos agrícolas en Gran Bretaña. Res 13: 17938. Sept. 5, 1945. 286.85 R31
- 3420 YOUNG, H. C. A new air blast sprayer. Amer. Fruit Grower 65(11): 22, 33, 35-36. Nov. 1945. 80 G85

#### Tillage Machinery

- 3421 CRAWLEY, B. For'ard or back'ard? "When I'm to plough I wants to see where I be goin' an' what I be at 'all to once..." Another criticism of farm machinery makers from "The Rose and Crown." Farmers Weekly [London] 23(14): 31. Oct. 5, 1945. 10 F2226
- 3422 PEILLENBACH, P. Un intéressant appareil horticole a moteur humain. Prog. Agr. et Vitic. 121: 116-118. Apr. 2/9, 1944. 14 P94  
Cultivel, man-powered harrow.
- 3423 GALLES, P. Nouveau cultivateur à dents independantes pour la culture de la vigne. Prog. Agr. et Vitic. 115: 230-232. Mar. 30, 1941. 14 P94
- 3424 RAIM. The harmful effect of the hoe. (In Hebrew.) Hassadeh 25: 491. July 1945. 26 H27



3425 A TRACTOR plough is the first of promised "Ford" implement range. Farm Impl. & Mach. Rev. 71: 555-556. Nov. 1, 1945. 58.8 Im72

3426 WASHBURN, S. G. A beamless plow. Dak. Farmer 65(21): 11. Nov. 3, 1945. 6 D14

#### Planting Machines and Fertilizer Distributors

3427 BLASER, R. E. A device for setting fertilizer distributors accurately and a simple method of calibration. Amer. Soc. Agron. J. 37: 857-858. Oct. 1945. 4 Am34P

3428 SNELL, R. S., and STELLATELLA, S. Nursery maker and furrow-opener. Amer. Soc. Agron. J. 37: 862-863. Oct. 1945. 4 Am34P

3429 VOLLEIDT, N. A. Issledovanie soshnikov sel'ok i vybor ratsional'noi formy soshnika [Investigation of plowshares of sowing machines and the selection of the proper type]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Dok., No. 1, p. 97-103. 1945. 20 M857

#### Harvesting, Threshing, Drying, and Processing Equipment

3430 ALEKSEEV, V. Voprosy organizatsii molot'-by [Questions of organizing the threshing]. Sotsialist. Sel'sk. Khoz. 12(7/8): 57-60. July/Aug. 1941. 281.8 So73

3431 ALEKSIDZE. Georgian farm harvesting. Agr. Com. Amer.-Soviet Friendship. Release 42, p. 2. Oct. 15, 1945. 20 Ag89

3432 ALMEIDA, J. R. DE. Geradores de vapor nas usinas de açúcar. Rev. de Agr. [Piracicaba] 20: 277-321. July/Aug. 1945. 9.2 R324

3433 BARRE, H. J. What to do about high moisture corn. Elect. on the Farm 18 (9): 7-9. Nov. 1945. 335.8 EL27

Removing moisture by use of electric blowers.

3434 BENEDIKTOV, I. Gathering crops in the Soviet Union. Agr. Com. Amer.-Soviet Friendship. Release 42, p. 1-2. Oct. 15, 1945. 20 Ag89

3435 BOUCKAERT, G., and DRICOT, C. Note sur quelques essais effectués avec une decolleteuse et une arracheuse à main pour betteraves. Inst. Agron. et des Stas. de Rech. de Gembloux. B. 10: 90-99. 1941. 105.1 G285

3436 C., G. G. Whin-mills. Countryman 32(1): 93. Autumn 1945. 281.28 C832

Primitive mills for crushing gorse as cattle feed found in Scotland.

3437 CATHCART, W. H. High speed defrosting of frozen eggs by applying "broadcast heat." West. Frozen Foods 6(12): 8-10. Oct. 1945. 389.8 W523

3438 CLARK, V. B. Home freezer units should fit into family needs. Agr. Leaders' Digest 26 (8): 58, 60. Oct. 1945. 275.28 Am3

3439 CORN and cob meal. New method for preparing corn and cob meal electrically with small motors. Crusher may also be used as corn sheller. Elect. on the Farm 18(8): 10-11. Oct. 1945. 335.8 EL27

3440 CRISSY, A. N. Drying hay in the barn. New England Homestead 118(20): 6, 8, 9. Oct. 27, 1945. 6 N442

3441 DAHLGREN, N. Skördetröskning - direkt-tröskning [Harvest threshing - direct threshing]. Lantmannen 29: 898. Oct. 6, 1945. 11 L234

3442 DOBSON, H. The parson learns to scythe. Countryman 32(1): 60-61. Autumn 1945. 281.28 C832

Rules for setting a scythe.

3443 DUDIK, G. F. Technical achievements reduce hand labor in sugar production. Impl. & Tractor 60(20): 94, 96-97. Oct. 6, 1945. 58.8 W41

3444 ELDER, C. R. Speedy milker washing - it's back; now, fast method uses war-released wetting agents and cleans the machine within 5 to 10 minutes. Successful Farming 43(11): 106, 108-110. Nov. 1945. 6 Sul2

3445 EVANS, G. Threshing grass and clover seed. Gt. Brit. Min. Agr. Agriculture 52: 300-305. Oct. 1945. 10 G79J

3446 FRANÇOIS, R. Les machines modernes à couper la canne. Guadeloupe. Serv. de l'Agr. Rev. Agr. (n. s.) 2: 141-149. Sept. 1945. 8 R327

3447 GALAGURA, I. Ob organizatsii molot'by [Concerning the organization of the threshing]. Sotsialist. Sel'sk. Khoz. 12(7/8): 85-88. July/Aug. 1941. 281.8 So73

3448 GARRARD, W. M. Greater mill demand for mechanically picked lint. Cotton Digest 28(5): 10-11. Oct. 27, 1945. 286.82 C822

3449 GEMMELL, J. T. Conservation of hay. Tasmanian J. Agr. 16: 91-94. Aug. 1, 1945. 23 TL82T

3450 GORDON, D. Unique plant produces tung and peanut oils. Chem. & Metall. Engin. 52 (11): 106-107. Nov. 1945. 381 E12

3451 GOULD, R. They're razing cane; mechanization is cutting costs in one of American's oldest farm industries. South. Agr. 75(11): 38. Nov. 1945. 5 So83

3452 H., D. H. Hay making methods. Canad. Countryman 34(22): 28. Oct. 27, 1945. 7 C833

3453 HARALDSON, Å. Ny, arbetsbesparande metod vid höbärgning [New, worksaving method of harvesting hay]. Försök och Forskning 2: 81-84. June 1945. 11 F77

3454 HARRISON, K. Stack silage. Victoria. Dept. Agr. J. 43: 372-374. Sept. 1945. 23 V66J

3455 HEWITT, A. C. T. Hay and silage making; the coming harvest. Victoria. Dept. Agr. J. 43: 365-371. Sept. 1945. 23 V66J

3456 HOPSON, G. H. Pre-rinsing for a clean milker. Dairymen's League News 29(22): 10, 24. Oct. 23, 1945. 44.8 DL432

3457 HOW SILK'S sugar beet harvester simplifies the labour problem. Farm Impl. & Mach. Rev. 71: 560-561. Nov. 1, 1945. 58.8 Im72

O. A. Silk, inventor.

3458 HOWE, E. M. Care and maintenance of sanitary pumps. Milk Dealer 35(1): 43, 86. Oct. 1945. 44.8 M595

3459 JUDD, L. Mechanisation in dairying industry; plan for co-operative use of modern equipment. Primary Prod. [Sydney] 22 (37): 1. Sept. 14, 1945. 23 P93

3460 KLEIN, G. T. Poultry killing rooms; suggestions for planning and arranging poultry killing rooms to save time and to make the work easier and simpler. Canad. Poultry Rev. 69(11): 27-28. Nov. 1945. 47.8 C16

3461 LARUE, P. Arracheuse de pépinière. Prog. Agr. et Vitic. 115: 21. Jan. 5, 1941. 14 P94

3462 LAMAU, Y. Considérations sur les arracheuses de pépinières. Prog. Agr. et Vitic. 115: 264. Apr. 13, 1941. 14 P94

3463 LAURENT. Le battage électrique dans les campagnes picardes. Génie Rural et Elect. Rurale 33: 4-6. Nov./Dec. 1940. 58.8 Au5

3464 MACGILLIVRAY, J. R., and MOSES, B. D. Lamps for cannery tomato inspection. Pacific Rural Press, South. Ed. 150: 214. Oct. 13, 1945. 6 P112A

3465 MILLINGTON, A. J. The mechanisation of fodder conservation. West. Austral. Dept. Agr. J. (ser. 2) 22: 94-97. June 1945. 23 W52J

Hay and silage making.

3466 NATIONAL INSTITUTE OF AGRICULTURAL ENGINEERING, ASKHAM BRYAN, YORK. Implements for potato lifting. Gt. Brit. Min. Agr. Agriculture 52: 325-327. Oct. 1945. 10 G79J

3467 NETTO, F. A. Causas da má qualidade do leite; inadequada lavagem do vasilhame. Rev. dos Criadores 19(8): 16-19. Aug. 1945. 43.8 R32

- 3468 NIKIFOROV, S. P. Terka dla semjan morkovi [A grater for carrot seeds]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, p. 104-106. 1945. 20 M857  
A device for cleaning seed.
- 3469 OFFENHEIMER, J. A pitchfork for gathering potatoes. (In Hebrew.) Hassadeh 25: 492. July 1945. 26 H27
- 3470 RAHN, O. Sterilization of microorganisms with special reference to new methods applicable to dairy industry. Dairy World [Chicago] 24(6): 11, 54. Nov. 1945. 44.8 D1423  
Disinfectants.
- 3471 REED, I. F., and JEZEK, R. E. USDA portable tung nut decorticator. Amer. Tung Oil Assoc. Proc. 1945: 69-72, processed. 77.9 Am32
- 3472 REID, E. B. Machines may change cotton map. South. Banker 85(5): 23-24, 44. Nov. 1945. 284.8 So8
- 3473 REVIKIN, I. I. Konstruktsiia khedernoi kosilki dla MTS i sovkhozov [Construction of a mowing machine for machine-tractor stations and state farms]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, p. 94-96. 1945. 20 M857
- 3474 RICE, E. S. Provender milling. Milling 105: 264, 266, 285-286, 298, 318, 332-333. Oct. 13, 20, 27, Nov. 3, 10, 1945. 298.8 M622  
Contents: Cleaning and washing machinery, p. 264, 266; Feeders and measurers, p. 285-286; Driers, p. 298; Grinders, p. 318, 332-333.
- 3475 RICHARDS, O. W., and HEIJN, P. C. An improved Darkfield Quebec Colony Counter. J. Milk Technol. 8: 253-256. Sept./Oct. 1945. 44.8 J824  
Apparatus for counting bacteria.
- 3476 ROY, K. B. New harvester for peanuts. Prog. Farmer, Miss.-Ark.-La. Ed. 60(11): 63. Nov. 1945. 6 So81
- 3477 SCHALLER, J. A., MITCHELL, N., and DICKERSON, W. H., JR. Barn haydrier: principles of design, installation and operation. U. S. Tenn. Val. Authority. Com. Dept. Agr. Engin. P. 6, 129 p. Knoxville, 1945. 173.2 T25Ag
- 3478 SMOKEHOUSES and smoking. Natl. Provisioner 113(18): 8-9; (20): 8-9, 15. Nov. 3, 17, 1945. 286.85 N21
- 3479 STANDLEY, B. E. Making hay while it rains possible with barn haydrier. Rural Electr. B. 3(2): 9-13. Oct. 1945. 335.8 R883
- 3480 TAYLOR, A. W. How to handle a threshing machine. Power Farmer 4(1): 10-11, 13. Jan. 1944. 58.8 P872
- 3481 TEARE, D. W. Experience in electric hay drying. Agr. Leaders' Digest 26 (8): 20. Oct. 1945. 275.28 Am3
- 3482 TERREL, C. L. Locker industry meets new conditions - home units to foster sales of frozen foods. Ice and Refrig. 109(4): 55-56. Oct. 1945. 295.8 Ic2
- 3483 VAN BLARICOM, L. O. Device attached to closing machine creates vacuum in canned peaches. Food Packer 26(11): 41-42. Oct. 1945. 286.83 C165
- 3484 WEAVER, A. D. The modern processing and freezer plant. Nebr. Farmer 87 (22): 10. Nov. 17, 1945. 6 N27
- 3485 WEBER, A. L. Vacuum pan design and quality of sugar. So. African Sugar J. 29: 321, 323, 325. Aug. 1945. 65.8 So8
- 3486 WELCH, F. J., and MILEY, D. G. Mechanization of the cotton harvest. J. Farm Econ. 27: 928-946. Nov. 1945. 280.8 J822
- 3488 BROWN, M. Choosing a power unit for smallholdings. Poultry Farmer [London] 113(2934): 6. Sept. 14, 1945. 47.8 F312
- 3489 CHAVAGNAT, M. Les soins à donner à votre moteur électrique. Génie Rural et Elect. Rurale 34: 9-10. Apr. 1941. 58.8 Au8
- 3490 DELLENBACH, P., and CIAROU, C. Essais de tracteur; le Ford-Ferguson. Prog. Agr. et Vitic. 122: 123-125. Apr. 1/15, 1945. 14 P94
- 3491 GUILLOU, M. Alcool hydraté et motoculture. Prog. Agr. et Vitic. 116: 267-269. Nov. 23/30, 1941. 14 P94
- 3492 H., L. G. Good home made tractors are possible. Macdonald Col. J. 6(1): 9. Sept. 1945. 101 M144
- 3493 HARPER, N. Dog wheel in Saskatchewan. Saskatchewan Farmer, Mag. Sect. 36(21): 4. Nov. 15, 1945. 7 Sa74  
Pump operated by dog power.
- 3494 LAMAU, Y. L'exposition montpelliéraine des carburants de remplacement. Prog. Agr. et Vitic. 115: 10-12. Jan. 5, 1941. 14 P94
- 3495 LAMAU, Y. Utilisation de l'alcool hydraté pour la carburation. Prog. Agr. et Vitic. 115: 41. Jan. 12, 1941. 14 P94
- 3496 LAYRARGUES, P. Pour prêter à la disette d'essence. Prog. Agr. et Vitic. 114: 136-138. Sept. 8, 1940. 14 P94  
Use of gazogenes.
- 3497 LEES, A. B. Características de um tractor Diesel economico fabricado em el Reino Unido. Con cargas livianas o pesadas el consumo de combustible es reducido. Res 13: 17922. Sept. 5, 1945. 286.85 R31
- 3498 LISTOV, P. N. Shestiletnyi opyt raboty sel'skokhoziaistvennykh elektrotraktorov [Six years of experimental work with agricultural electric tractors]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, p. 91-93. 1945. 20 M857
- 3499 LÖNNEMARK, H. Anskaffning av traktor är en betydelsefull affär; några synpunkter på traktor-driftens lönsamhet [Buying a tractor is an important transaction; some ideas on the economic advantages of tractors]. Lantmannen 29: 779-781. Sept. 1, 1945. 11 L234
- 3500 MEZHEVNIKIN, S., and Khablo, I. K voprosu kontrolya kachestva remonta avtotraktornykh dvigatelei. (Checking the quality of tractor engine repairs. Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(3): 44. 1945. 20 Ak1
- 3501 MOUNTSIER, R. Versatile jeep starts rolling. 'Can do,' its slogan, 'if all claims hold up.' Rural Electr. B. 3(2): 14. Oct. 1945. 335.8 R883
- 3502 PEEL, P. W. Belt drives. Power Farmer 5: 192. Oct. 1945. 58.8 P872
- 3503 POBERT, G. L. Le gazogène à charbon de bois par aspiration directe avec vaporisation. Génie Rural et Elect. Rurale 33: 8, 10. Nov./Dec. 1940. 58.8 Au8
- 3504 POTERIAKHIN, P. Sochetanie raboty traktornykh i polevodcheskikh brigad v MTS Saratovskoi oblasti [Cooperation between tractor and field brigades in the machine-tractor stations of the Saratov region]. Sotsialist. Sel'sk. Khoz. 12(6): 78-80. June 1941. 281.8 So73
- 3505 POULIN, L. P. À propos des ventes des camions usages de l'armée. Terre de Chez Nous 18(3): 16. Oct. 17, 1945. 7 T27
- 3506 ROMANOV, S. MTS - moguchii ryuchag ukrepleniia tyla [Machine-tractor stations - a powerful force for strengthening the home front]. Sotsialist. Sel'sk. Khoz. 12(9): 39-42. Sept. 1941. 281.8 So73
- 3507 SAUVE, E. C., and MCKIBBEN, E. G. Using liquid in tractor tires. Agr. Leaders' Digest 26(9): 26. Nov. 1945. 275.28 Am3

Trucks, Tractors, and Other Farm  
Power (Including Fuels)

- 3487 BORDAS, J. L'agriculture et le problème des combustibles pour les moteurs. Prog. Agr. et Vitic. 114: 148-152. Sept. 15, 1940. 14 P94



- 3508 SEVERSON, H. Tractors in the hills: Mississippi farmers are using their own tractors to save precious topsoil on sloping fields. South. Agr. 75 (11): 9, 62. Nov. 1945. 6 So83
- 3509 VÄINER, M. Maksimal'no sokratit' raskhod zhidkogo topliva [Maximum economy of liquid fuel]. Sotsialist. Sel'sk. Khoz. 12(7/8): 28-33. July/Aug. 1941. 281.8 So73
- Equipping tractors with gas-producer engines.

## FARM STRUCTURES

## General

- 3510 ASFRY, W. H. Many good plans for farm buildings. Agr. Leaders' Digest 26(9): 36. Nov. 1945. 275.28 Am5
- 3511 BORKENHAGEN, E. Das landwirtschaftliche bauen der zukunft. Deut. Agrarpolitik 1: 61-62. Nov. 1942. 281.8 D48
- 3512 GRUBE, W. Das ländliche bauwesen vor neuen aufgaben. Deut. Agrarpolitik 1: 6-p. insert after p. 148. Feb. 1943. 281.8 D48
- 3513 LANTHEY, W. C. Seal up the cracks. Successful Farming 43(11): 44-45. Nov. 1945. 6 Su12
- Repairing farm buildings.
- 3514 LONG, J. D. Farm building construction. Agr. Engin. 26: 451, 455. Nov. 1945. 58.8 Ag83
- 3515 LYMESTER, J. Up keep of buildings. Power Farmer 4(1): 14-15. Jan. 1944. 58.8 P872
- Income tax deductions allowed.
- 3516 MCKINNEY, F. The outdoor living-room for neighborhood and family fun. Mo. Ruralist 86(20): 14. Oct. 27, 1945. 6 R8891
- Plans for outdoor fireplaces and furniture.
- 3517 TRESCHOW, A. Jordbrukets byggnader [Farm buildings]. Lantmannen 29: 772. Aug. 25, 1945. 11 L234
- Need for reducing costs.

## Farmhouses

- 3518 BADER, A. K. Insulating the farm home. Kans. State Col. Ext. Neighborhood Leader, Oct. 1945. p. 3. 275.29 K13N
- 3519 BADER, A. K. Remodeling the farm home. Kans. State Col. Ext. Neighborhood Leader, Nov. 1945. p. 3. 275.29 K13N
- 3520 BARBER, W. E. Rural housing problems the Government's opportunity. Estate Mag. 45: 253-255. Oct. 1945. 10 Es8
- Great Britain.
- 3521 BAUDIN, J. La restauration de l'habitat rural. Prog. Agr. et Vitic. 114: 359-360. Dec. 1, 1940. 14 P94
- 3522 BLUMENFELD, H. The Soviet housing problem. Amer. Rev. Soviet Union 7(1): 12-25. Nov. 1945. 280.8 Am591
- Touchez upon rural housing.
- 3523 BOWLES, C. How much will it cost to build? Country Gent. 115(11): 18, 119-121. Nov. 1945. 6 C833
- 3524 BRAZELTON, J. S. We need a little fixing up. Mo. Ruralist 86(21): 28. Nov. 10, 1945. 6 R8891
- 3525 ELLIS, M. G. Homes for our soldiers. Family Herald and Weekly Star 76(44): 5. Oct. 31, 1945. 7 F21
- 3526 F., L. M. A housing blunder. Farmer & Stock-Breeder 59: 1503. Sept. 25, 1945. 10 F228
- British Labor Government's decision not to continue subsidies for reconditioning farm cottages.
- 3527 GUASTAVINO, E. P. Para iniciar una explotacion agropecuaria. Suelo Argentino 4: 520-522, 524. Aug. 1945. 9 Su2
- Plans and specifications for a small cottage.
- 3528 HARPER, A. H. Old tourist camp - new farm home. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 66. Dec. 1945. 6 So81

- 3529 KILMISTER, L. M. Why tolerate discomfort in farm home? West. Farm Leader 10: 355. Nov. 2, 1945. 280.28 W52

- 3530 MCFADDEN, D. J. Kitchen cupboards; detailed and intelligent planning of your kitchen and its equipment eliminates waste of time, space and energy, and makes your housework a pleasure to perform. Country Guide 64(7): 47-48, 50. July 1945. 7 G76

- 3531 MARKUSON, M. J. New England farm house designed for Country Gentleman. Country Gent. 115 (11): 18-19. Nov. 1945. 6 C833

- 3532 MASSEY, E. 4-H girl changes a house into a home. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 71. Dec. 1945. 6 So81

- 3533 POSADAS, C. Una estufa de buen tiraje, de construcción economica y que calienta varios ambientes. Soc. Rural Argentina An. 79: 561-565. July 1945. 9 Sol

- 3534 R., B. M. Remodeling - with brains. Farmer [St. Paul], Gen. Ed. 63 (22): 36-37. Nov. 17, 1945. 6 F2211

- 3535 ROE, A. J. We need to know what are the vital elements of good farmhouse planning. Country Guide 64(11): 55. Nov. 1945. 7 G76

- 3536 ROSEMAN, MRS. S. I. Importance of farm housing to prosperity. Rural Electrification 3(2): 21-23. Oct. 1945. 335.8 R883

- 3537 S., R. T. Success in reconditioning cottages in England and Wales. Countryman 32(1): 83-84. Autumn 1945. 281.28 C832

- 3538 WELCH, T. H. A practical farm home. Mont. Farmer 33 (6): 8, 15. Nov. 15, 1945. 6 M764

- 3539 WILLISCROFT FARM FORUM GROUP, DOEBINGTON, ONT. Ideal farm houses as planned by farm people; plan No. 9. Farmer's Mag. 42(11): 13. Nov. 1945. 7 C165

- 3540 WYMAN, QUEBEC, FARM FORUM GROUP. Ideal farm houses as planned by farm people; plan No. 8. Farmer's Mag. 42(10): 18. Oct. 1945. 7 C165

## Service Buildings

- 3541 BARLEY, H. D. Housing problems. Poultry World 77: 157. Oct. 5, 1945. 47.8 P8682
- 3542 BEVTS, L. S. My experimental alpine house. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 176-179. Sept. 1944. 84 AL6
- 3543 BIRTWISTLE, V. Stop, thief! Mod. Poultry Keeping 53: 298-299. Oct. 24, 1945. 47.8 Eg3
- Gadgets to prevent hen stealing.
- 3544 BROOMHEAD, W. W. Managing garden layers. Poultry [London] 97: 232. Oct. 9, 1945. 47.8 P869
- Concerning housing and feeding.
- 3545 CARLSSON, P. G. Höghus eller låghus [High house or low house]? Lantmannen 29: 782-783. Sept. 1, 1945. 11 L234
- Advantages of the low type of barn.
- 3546 COLLINS, H. Movable nests for houses. Poultry Farmer [London] 113(2936): 7. Sept. 28, 1945. 47.8 F312
- 3547 COLLINSON, H. Battery trays. Mod. Poultry Keeping 53: 299. Oct. 24, 1945. 47.8 Eg3
- 3548 CRAN, J. S. Some new kinks for poultrymen. Family Herald and Weekly Star 76(45): 16. Nov. 7, 1945. 7 F21
- 3549 CRESSWELL, G. Safety first hatch catches. Poultry Farmer [London] 113(2937): 9. Oct. 5, 1945. 47.8 F312
- 3550 CRUMP, L. New stockyards under construction at Greenville, Miss. South. Stockman 5(10): 44. Oct. 1945. 49 So83
- 3551 ELECTRIC ventilation of poultry houses. Fairbanks-Goodman system using small exhaust fans gives good results on farms in different sections. Elect. on the Farm 18(8): 7, 25-28. Oct. 1945. 335.8 EL27

- 3552 ENGELHARD, J. Il faut assainir les étables. *Génie Rural et Elect. Rurale* 33: 11. Nov./Dec. 1940. 58.8 Au8
- 3553 ENGELHARD, S. A. Let's figure dairy barn costs. *Successful Farming* 43(11): 27, 58. Nov. 1945. 6 Su12
- 3554 GINGLES, R. Floor-heated laying house. *Successful Farming* 43(11): 42. Nov. 1945. 6 Su12
- 3555 GOETTLER, B. Feeding floor worth \$7 a steer; manure saved helps maintain 100-bushel corn. *Prairie Farmer*, Gen. Ed. 117(23): 8. Nov. 10, 1945. 6 P883
- Concrete construction.
- 3556 HAMILTON, I. D. Förslag till byggnads-konstruktion, [Proposal for building construction]. *Lantmannen* 29: 920-921. Oct. 13, 1945. 11 L234
- Barn construction plans.
- 3557 HAY, R. C. The machine shed and shop now the No. 1 farm building. *Furrow*, Omaha - E [Ed.] 50: 4. Sept./Oct. 1945. 6 P980
- 3558 HEIMPEL, L. G. Making your own self feeder for hogs. *Family Herald and Weekly Star* 76(45): 20. Nov. 7, 1945. 7 F21
- 3559 HOLMQVIST, N. Ett försök med ladugård av låghustyp [An experiment with barns of the low-house type]. *Försök och Forskning* 2: 122-125. Aug. 1945. 11 F77
- Costs and plans.
- 3560 JONES, R. E. North openings in laying houses. *New England Homestead* 118(20): 18. Oct. 27, 1945. 6 N442
- 3561 KIMBER, J. E. A few thoughts about poultry housing. *Mulaid News* 23(6): 21-22. Sept. 1945. 47.8 N917
- 3562 LAMBERT, R. J. Farmers praise electric pig brooders. *Agr. Leaders' Digest* 26(9): 34. Nov. 1945. 275.28 Am3
- 3563 LINE, N. Electricity on the farm; safe heat for brooders. *Poultry Farmer* [London] 113 (2938): 3. Oct. 12, 1945. 47.8 F312
- 3564 MCAULIFFE, W. S. Floors for the pigs' sleeping quarters. Sawdust concrete recommended. *So. Austral. Dept. Agr. J.* 49(1): 6. Aug. 1945. 23 So84
- 3565 MARKER, W. F. Dairyman wants efficiency in milking. *Farmer-Stockman* 58: 408. Nov. 1945. 6 Ok45
- Milking barn.
- 3566 NEW BARN cleaners now on market. Two companies now offering cleaners of the Boldt design. Starting two motors puts the manure in the spreader. *Elect. on the Farm* 18(8): 8-9, 30. Oct. 1945. 335.8 EL27
- 3567 PARKER, E. S. Goat housing. *Amer. Dairy Goat News* 7(5): 4. Nov. 1945. 40.18 Am34
- 3568 POSADAS, C. Un bañadero para laneros. *Soc. Rural Argentina An.* 79: 483-494. June 1945. 9 Sol
- For control of mange on sheep. Construction details.
- 3569 RAMSER, J. H. Operating barn hay-curing system. *Hoard's Dairyman* 90: 674. Nov. 25, 1945. 44.8 H65
- 3570 ROBERTS, B. No place for bacteria; premeditated microbe murder is the plan at Macmillan farm near Saugus, Calif. *West. Dairy J.* 2(1): 14-15, 38-40. Nov. 1945. 44.8 W524
- 3571 SANCTUARY, W. C. Do's and don't's in the laying house. *Grandin Farmer*, No. 8, p. 1-3. Nov. 1945. 6 G763
- 3572 SCHAFFHAUSEN, J. F. Assembly-line feeding for beef. *Country Gent.* 115(12): 17, 86. Dec. 1945. 6 C833
- Building for low-cost cattle raising.
- 3573 STODDARD, C. A layout for labor saving; one man can swing a unit like this, remodeled around tractor power, and carry 100 steers, 350 hogs, 45 sheep. *Successful Farming* 43(7): 22, 32-33. July 1945. 6 Su12
- 3574 WORTHINGTON, J. The house that Jim built. *Poultry Farmer* [London] 113(2936): 6; (2937): 6; (2938): 6. Sept. 28, Oct. 5, 12, 1945. 47.8 F312
- Storage Structures
- 3575 ALISON, W. H. Saving labor in putting up silage. *Pacific Rural Press*, North. Ed. 150: 268. Oct. 27, 1945. 6 P112
- 3576 BLAKELY, R. M. A practical basement storage room. *Canad. Hort. & Home Mag. Growers' Ed.* 68: 187, 190. Sept./Oct. 1945. 80 C16
- 3577 CREPIN, J. Creation de silos fosses cylindriques pour l'ensilage d'aliments de remplacement pour l'alimentation du bétail. *Terre Maroc.* 15(190): 3-6. Sept. 1945. 24 T44
- 3578 DÍAZ PÉREZ, T. El silo zanja. *Agrario* 9(363): 6. June 15, 1945. 9.3 Ag85
- 3579 GUNCKELMAN, P. F. Future of country elevator. *Natl. Grain J.* 29(11): 8, 26. Oct. 1945. 298.8 C83
- 3580 HOEY, J. J. New California locker plant an architect's dream. *Ice and Refrig.* 109(2): 58, 60. Oct. 1945. 295.8 Ic2
- 3581 HOLDEN, A. E. Potato storage nets \$600. *Elect. on the Farm* 18(8): 20, 22. Oct. 1945. 225.8 EL27
- Construction of freeze-proof storage room.
- 3582 OSSE, L. Estrumeiras. V - Subterraneos. *Rev. dos Criadores* 16(8): 30-31. Aug. 1945. 43.8 R32
- 3583 SCASSO, J. M. Instrucciones practicas para preparar la parva-silo; silo al aire libre y el silo común en tierra. *Campo* [Buenos Aires] 29(347): 44-45, 49-50. (To be cont.) Sept. 1945. 9 C15
- 3584 SIÉCOLA, J. J. Informe sobre la construcción de silos subterráneos. *Uruguay. Dir. de Agron. [Cartilla]* 77, 66 p. Montevideo, 1945. 9.9 Ur84
- Farm Utilities
- 3585 BERT, F. La electricidad y sus aplicaciones en las chacras de Gran Bretaña. *Chacra* 15(179): 100. Sept. 1945. 9 C34
- 3586 BLANCHET, J. L'électrification rurale. *Terre de Chez Nous* 18(3): 9; (4): 9; (5): 9. Oct. 17, 24, 31, 1945. 7 T27
- 3587 BOUCKAERT, G., and DRICOT, C. Essais sur le chauffage électrique des couches de witloof. *Inst. Agron. et des Stas. de Rech. de Gembloux. B.* 9: 100-122. 1940. 105.1 G285
- English summary.
- 3588 COLQUETTE, R. D. Kilowatt the choreboy. *Country Guide* 64(11): 9, 41. Nov. 1945. 7 G76
- 3589 DAVIES, R. A. Homemade rural electricity. *Soviet Russia Today* 14(4): 14-15. Aug. 1945. 280.8 So89
- 3590 DENMARK. STATISTISKE DEPARTEMENT. Elektricitetsværkerne 1943/44. Usines électriques 1943/44. *Denmark. Statis. Dept. Statis. Meddel. Ser. 4, v. 124, No. 4, 131 p.* 1945. 257.1 St2M
- Includes statistics on use of electricity in rural communities.
- 3591 ENRIQUEZ, O. R. Operación coordinada del sistema eléctrico Boquilla-Francke. Estudio que permite resolver en parte la actual escasez de energía en las zonas electrificadas de La Laguna y Chihuahua. *Irrig. en Méx.* 26(2): 64-93. Apr./June 1945. 55.8 Ir76
- 3592 FAHERTY, W. B. REA's fine record sets pattern for even bigger future; co-op principles followed closely in organization. *Kans. Union Farmer* 38(21): 5. Nov. 8, 1945. 6 F2276
- 3593 HARTOGENSIS, H. "Electric farming is cheaper," says dairyman [J. P.] Willinger of Indiana; and his hard-luck, good-luck story proves his point. *Successful Farming* 43(11): 48-51. Nov. 1945. 6 Su12



- 3594 HEMKER, W. D. Case history that proves farm electrification pays. Amer. Egg & Poultry Rev. 6: 666-668. Oct. 1945. 47.3 Am38  
On Motz dairy farm, Trumbull Co., Ohio.
- 3595 KINGORE, B. Pennyrite farmers helped themselves to electric current. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 60(11): 14. Nov. 1945. 6 P945K  
Pennyrite Electric Cooperative, Hopkinsville, Ky.
- 3596 LOUNSBURY, W. C. The safe use of electricity on the farm. Rural Electrification. B. 3(2): 15-19. Oct. 1945. 325.8 R883
- 3597 MCHURN, E. W. They use electricity for profit and pleasure. Ohio Farmer 196(10): 5, 29. Nov. 17, 1945. 6 Oh3
- 3598 PELLANDA, E. Os "trusts" contra o plano rio grandense de eletrificação. Orientação Econ. e Financ. 4(38): 19-20. July 1945. 280.8 Or42
- 3599 PINHEIRO, H. DE S. Defesa do homem rural. Arq. de Hig. e Saúde Pub. 8(17): 21-29. Jan. 1943 449.8 Ar6  
Rural sanitation.
- 3600 REIN, C. La electrificación agrícola y sus posibilidades; conferencia del Excmo. Sr. D. Carlos Rein, subsecretario de agricultura, pronunciada en el Circulo de la Union Mercantil. Surco [Madrid] 4(39): 3-6; (40): 3-5. May, June 1945. 15 Su7
- 3601 TENNYSON, E. Arkansas family is "cooking with gas." Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 56. Dec. 1945. 6 So81
- 3602 WICKARD, C. R. Re: the new farm age. Mr. Wickard looks to the day when rural electrification will aid every farmer. Rural Electrification. B. 3(2): 8. Oct. 1945. 335.8 R883  
Excerpt from N. Y. Times of July 29, 1945.

AGRICULTURAL PRODUCTS: PROCESSING,  
DISTRIBUTION, AND STATISTICS

GENERAL

- 3603 ARMSTRONG, G. C. Food: United States domestic supplies and relief shipments. Rural Bank N. S. Wales. Farm Front 3: 129-132, processed. Sept. 1945. 281.9 R883
- 3604 BACON, L. European food prospects this winter. Agr. Situation 29(10): 9-11. Oct. 1945. 1 Ec7Ag
- 3605 BAGGE, F. Produktions- och avsättnings-förhållandena för jordbrukets produkter under 2:a kvartalet 1945. Lantmannen 29: 762-765. Aug. 25, 1945. 11 L234  
Production, marketing, and prices of Swedish farm products.
- 3606 BEALS, C. The golden spike. Asia and Americas 45: 509-513. Nov. 1945. 286.8 Am31  
Includes the position of cotton and other agricultural products in Latin American economy.
- 3607 CASTLE, C. V. World food forecast. Calif. Dairyman 25(17): 23. Oct. 13, 1945. 44.8 Cl2
- 3608 CASTRO, J. DE. A política alimentar no Brasil de após-guerra. Observador Econ. e Financ. 10(116): 18-35. Sept. 1945. 280.8 Ob72
- 3609 CATTERNS, C. M. Science and progress in Ceylon. Internat. Indus. 26: 374-376. Nov. 1945. 382 In8  
History of tea, coffee, and rubber growing.
- 3610 CRESSEY, P. F. Chinese traits in European civilization: a study in diffusion. Amer. Sociol. Rev. 10: 595-604. Oct. 1945. 280.8 Am37  
Notes products introduced to the Western World from China, including silk, peaches, apricots, grapefruit, tea, and soybeans.
- 3611 DEGRULLY, P. Le vin et le tabac. Prog. Agr. et Vitic. 116: 197-199. Nov. 2, 1941. 14 F94

- 3612 EPPSTEIN, J. France revisited - I. Brit. Survey 6(17): 1-5. Sept. 10, 1945. 280.8 B77  
Includes discussion of the food shortage and black market.
- 3613 HANEY, L. H. The outlook for raw materials. Boston Conf. Distrib. (1945)17: 75-78. 286.29 B65
- 3614 HARDIGG, C. A. As Army sees poultry, butter, eggs. Butchers' Advocate 118(17): 11. Oct. 24, 1945. 286.85 B97  
On the reduced food requirements of the armed forces.
- 3615 HUGHES, E. B., and others. Foods. Soc. Chem. Indus. Rpts. Prog. Appl. Chem. (1943) 28: 379-410. 382 M31R  
Chemistry and nutrition. Includes feeds.
- 3616 LALMAND. Une conférence de presse au Ministère du Ravitaillement: bilan et perspectives. Monit. de l'Aliment. 39(372): 15-16. July 1945. 389.8 M74  
Problems of supply and legislation in Belgium.
- 3617 MORROW, MRS. D. W. Freedom without food. Gen. Fed. Clubwoman 25(7): 7. Oct. 1945. 280.8 G282  
The people's responsibility for UNRRA's role in feeding the hungry in Europe.
- 3618 NOBLE, K. F. Secondary industries of Australia. Canada. Dept. Trade and Com. Com. Intel. J. 73: 424-430. Nov. 3, 1945. 286.8 Cl6  
Includes textile, rubber, and food industries.
- 3619 PHILLIPS, H. A. The famine in Europe. Amer. Mercury 61: 678-684. Dec. 1945. 110 Am35
- 3620 POULIN, L. P. La situation alimentaire en Europe continentale. Terre de Chez Nous 18(8): 3, 23. Nov. 21, 1945. 7 T27
- 3621 ROSE U., L. Estudio sobre la situación alimenticia en el norte del país. Inform. del SCIPA Ser. para los Agr., No. 5, p. 51-52. Dec. 1944. 9.8 P435  
Peru.
- 3622 SHANGHAI - after Japanese capitulation. Foreign Com. Weekly 21(4): 8-9, 41-42. Oct. 20, 1945. 157.54 F763  
Includes the food situation.
- 3623 STOLTZ, E. H. Apples and chicks go well together; C. F. Luckham, Norfolk County, Canada, producer, has two strings to his bow--seldom do both sag at the same time--when this year's apple crop didn't pan out, poultry saved the day. Farmer's Mag. 42(10): 10, 80. Oct. 1945. 7 C165
- 3624 UNION SUISSE DU COMMERCE ET DE L'INDUSTRIE. Rapport sur le commerce et l'industrie de la Suisse en 1943, 211 p. Zurich, 1944. Ref. 262 Un32  
Includes fibers and textiles, paper, livestock and dairy products, fruits and vegetables, beverages, and tobacco.
- 3625 U. S. DEPT. OF AGRICULTURE. Europe's food outlook - crises loom for 1945-46. Foreign Com. Weekly 21(5): 8-9, 29. Oct. 27, 1945. 157.54 F763
- 3626 U. S. INTERAGENCY COMMITTEE ON FOREIGN SHIPMENTS. Food report, 1, 1945, 10 p. Washington, 1945. 173.3 In86

ANALYSIS AND COMPOSITION

- 3627 MCCLURE, W. B., and CROSSLEY, V. Food poisoning due to Salmonella newport. Canad. J. Pub. Health 36: 401-403. Oct. 1945. 449.8 F964
- 3628 ZOZAYA, J., and ZUÑIGA N., J. Determinación de ácido nicotínico en algunos alimentos mexicanos por el método microbiológico de Snell y Wright. Mex. Inst. de Salubridad y Enferm. Trop. Rev. 6: 91-102. June 1945. 449.9 M572

## CONSUMPTION AND UTILIZATION

- 3629 C., V. Gaspillage et récupération. Prog. Agr. et Vitic. 115: 362-363. Mar. 18, 1941. 14 P94  
Advocates greater utilization of waste materials.
- 3630 DUNLAP, W. A. Florida, a new industrial State. Dom. Com. 33(10): 17-18, 44. Oct. 1945. 157.54 D713  
Includes agricultural products and resources.
- 3631 INDUSTRIAL outlets for agricultural surpluses. Down to Earth 1(3): 1-4. Nov. 1945. 381 D75
- 3632 JONES, J. I. Agricultural products as raw materials for the plastics industry - part II. Brit. Plastics 17: 419-428. Oct. 1945. Ref. 309.8 B76
- 3633 MALBERTI, F. La utilización de los sub-productos de la agricultura. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 78-79. July/Sept. 1945. 8 Ar88Re
- 3634 SASKATCHEWAN CO-OPERATIVE PRODUCERS LIMITED. Annual report, 20th, 1944, 83 p. Regina, 1944. 59.9 Sa73  
Industrial Utilization of Farm Crops, p. 30-33.

## DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 3635 ANSELL, H. W. Transportation still presents problem. U and I Cult. 5(3): 14, 33. Sept. 1945. 66.8 U12
- 3636 BENSON, T. A. Importance of organization for marketing. Canad. Countryman 34(22): 30. Oct. 27, 1945. 7 C833
- 3637 CAVINA, R. Possibilidade de ser aplicado no Brasil o "Food Stamp Plan." Soc. Bras. de Agron. B. 7: 401-406. Dec. 1944. 9.2 Sol3
- 3638 DONAGARAY, F. La actitud de la Federación Rural, en ferrocarriles, no es estatista. Diario Rural 4(512): 5. Sept. 12, 1945. 9.9 D54  
The position of the Uruguayan Federación Rural with regard to freight rates.
- 3639 FLOWERS, J. Yazoo County stages a youth sale - first of its kind. Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 24. Dec. 1945. 6 So81  
Sale of farm products.
- 3640 GLAZUNOV, L. Fashisty - organizatory goda v Evrope. Sotsialist. Sel'sk. Khoz. 12(7/8): 78-84. July/Aug. 1941. 281.8 So73  
German policies in the distribution of food in the occupied European countries.
- 3641 HASSELBACH, VON. Der zuverlässigste weg. Deut. Agrarpolitik 1: 60-61. Nov. 1942. 281.8 D48  
Marketing.
- 3642 KLINGE, G. Política agrícola-alimenticia. (Decimaquinta parte.) Vida Agr. 22: 627-635. July 1945. 9.8 V66  
Marketing and marketing costs in Peru.
- 3643 LOWE, J. E. Shipping perishables; air transportation provides the method needed to move perishable foods rapidly, safely, and economically from "winter garden" growers to millions of consumers. Distrib. Age 44(10): 49, 87. Oct. 1945. 288.8 T68
- 3644 LUBBE, C. N. "Become more efficient and less grasping"; that means you, farmer - a tip from the middleman. Farmer (Pietermaritzburg) 34(39): 13. Sept. 28, 1945. 24 F227  
Marketing.
- 3645 MCBRIDE, D. Waterways can be dollarways to Oklahoma farmers. Farmer-Stockman 58: 445, 485. Dec. 1945. 6 Ok45  
Freight savings of waterway transportation.
- 3646 MADRAS. DEPT. OF AGRICULTURE. Annual report of the Provincial Marketing Officer, Madras, 1940/41, 10 p. Madras, 1942. 280.39 In23

- 3647 NEW ZEALAND. INTERNAL MARKETING DIVISION. Annual report and accounts, 1943/44, 16 p. Wellington, 1945. 280.39 N485  
Reports on various agricultural products.
- 3648 RENSCHAW, B. Farmers take to the air in their own planes. Prairie Farmer, Gen. Ed. 117(22): 5. Oct. 27, 1945. 6 P883
- 3649 ROCKWELL, B. A. Goals for co-op marketing. Coop. Digest 6(5): 56. Nov. 1945. 280.28 C7896
- 3650 SCOTT, R. Frosted foods from the retail viewpoint. Canad. Grocer 59(21): 20, 28-29. Nov. 1, 1945. 286.83 C162
- 3651 SLAWSON, H. H. Purchasing cooperatives face a crisis; tax controversy emphasizes cleavage between commercial and agricultural interests. Does cooperative buying constitute unfair competition? Purchasing 19(4): 129-132, 385, 388, 392, 396. Oct. 1945. 280.8 P972
- 3652 STALLEY, R. W. Flying Farmers. Ohio Farm Bur. News 25(4): 4-5, 31. Nov. 1945. 6 Oh34  
Use of airplanes in agriculture.
- 3653 THOMSEN, F. L. A critical examination of marketing research. J. Farm Econ. 27: 947-962. Nov. 1945. 280.8 J822

- 3654 TRESSLER, D. K. Merchandising frozen cooked foods. Ice Cream Field 46(4): 68, 76. Oct. 1945. 389.8 Ic23
- 3655 WRIGHT, M. E. Organized marketing of export commodities in Australia. Foreign Agr. 9: 162-176. Nov. 1945. Ref. 1.9 Ec7For
- 3656 ZSCHIRNT, W. Die grossstadt als ernährungswirtschaftliche ausgabe. Deut. Agrarpolitik 1: 44-47. Nov. 1942. 281.8 D48  
Market regulation as a means of assuring food supplies.

## GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 3657 JAMES, H. C. Importance of maintaining quality in frozen foods. Canner 101(20): 30. Nov. 3, 1945. 286.83 C16
- 3658 MORENA, N. Da fiscalização sanitária dos gêneros alimentícios no Estado de São Paulo. Arq. de Hig. e Saúde Púb. 7(16): 9-21. Sept. 1942. 449.8 Ar6

## PACKING AND PACKAGING

- 3659 CULLON, W. F. The perfect packaging material has been made! Canad. Food Packer 16(11): 49. Nov. 1945. 286.83 C166  
Combination of aluminum foil and acetate.
- 3660 LEA, N. Postwar packaging tested under fire. Co-op. Merchandiser 10(8): 37-38, 50. Aug. 1945. 286.28 C78
- 3661 MACARA, T. J. R. Dehydrated foods in non-metallic containers--II. Mod. Packaging 19(2): 162-164, 192-194. (Concl.) Oct. 1945. 309.8 M72
- 3662 NASH, J. H. Strong brand identification important on packages. (Excerpts.) Mfg. Confectioner 25(10): 58. Oct. 1945. 389.8 M31

## PRICES, PRICE CONTROL, AND RATIONING

- 3663 ANDERSON, H. G. Price support program. Dakota Farmer 65(21): 7. Nov. 3, 1945. 6 D14
- 3664 BG. Die entwicklung der preise landwirtschaftlicher erzeugnisse in Dänemark und in der Schweiz. Schweiz. Bauernztg. 45: 40. Oct. 1945. 280.28 Sch93
- 3665 CANADA. BUREAU OF STATISTICS. PRICES BRANCH. World price movements (a semi-annual supplement to prices and price indexes); wholesale prices, cost of living, v. 10, No. 2, 12 p., processed. Ottawa, 1945. 284.39 C16Pa  
Deals with the second half of 1944. Includes food price and (for the United States and Canada) farm products price indexes.



3666 CHAUVET, P. Réflexions sur une conférence: à la croisée des chemins. Intransigeant Maroc. 6(229): 3. Oct. 5, 1945. 280.8 In89

Notes need for a price policy giving peasants adequate purchasing power.

3667 CURTISS, W. M. Prices after the war. Nation's Agr., Kans. Ed. 20(9): 6, 19-21. Oct. 1945. 280.82 B89A

3668 EFFERSON, J. N. An analysis of the parity price problem. La. State U. La. Rural Econ. 7(4): 2-3, 5-6. Nov. 1945. 281.9 L93

3669 GIBBONS, C. F. The 1945 price support program. Iowa State Hort. Soc. Trans. (1944) 79: 357-359. 81 Io9

3670 GORDON, J. J. Let's keep the lid on this time; farm families' role vitally important. Country Life [Vernon] 29(10): 3, 23. Oct. 1945. 7 C832  
Price changes and inflation.

3671 HW. Zur preis- und lohngarantie der schweizerbauern. Schweiz. Bauernztg. 45: 37-38. Oct. 1945. 280.28 Sch93

3672 HEMPHILL, P. V. North Dakota farm prices. N. Dak. Agr. Expt. Sta. Bimo. B. 8(1): 28-30. Sept./Oct. 1945. 100 N813B

3673 INDEXES of consumers' prices in large cities, August 1945. Monthly Labor Rev. 61: 780-790. Oct. 1945. 158.6 B87M

Includes food prices.

3674 JESNESS, O. B. Will governmental programs alter the structure of Government? J. Farm Econ. 27: 976-980. Nov. 1945. 280.8 J822

Brings out the relation of Government controls to price determination, including that of agricultural prices.

3675 KANEY, J. E. Farmers warned lower prices are certain to come. Farmer-Stockman 58: 406. Nov. 1945. 6 Ok45

3676 LIMA SOBRINHO, B. Influencia dos preços tetos. Brasil Açucareiro 26: 80. July 1945. 65.8 B73

Ceiling prices for agricultural products in the United States.

3677 MONTGOMERY, J. P. Louisiana farm prices. La. State U. La. Rural Econ. 7(4): 8. Nov. 1945. 281.9 L93

Statistical tables.

3678 MOORE, A. Battle over parity. Can anyone predict prices? Farmers can't, but experts could, says this critic of parity formula. Prairie Farmer, Ind. Ed. 117(23): 10. Nov. 10, 1945. 6 P883C

3679 NAVARRO Z., M. La riqueza agrícola influye en la economía nacional. Campo de Mex. 1(2): 3, 6. Sept. 30, 1945. 8 C155

The problem of price control.

3680 NICHOLLS, W. H., and others. A price policy for agriculture, consistent with economic progress, that will promote adequate and more stable income from farming. J. Farm Econ. 27: 743-902. Nov. 1945. 280.8 J822

Includes the prize-winning papers in the American Farm Economic Association contest as follows: W. H. Nicholls, p. 743-760; D. G. Johnson, p. 761-772; F. V. Waugh, p. 773-784; G. W. Barr, p. 785-789; M. K. Bennett, p. 790-797; G. P. Boals, p. 798-806; K. Brandt, p. 807-812; W. W. Cochrane, p. 813-820; R. J. Eggert, p. 821-828; P. A. Eke, p. 829-836; C. C. Farrington, p. 837-843; R. K. Froker, p. 844-851; C. D. Hyson, p. 852-860; A. L. Larson, p. 861-870; J. G. Maddox, p. 871-877; R. Schickele, p. 878-885; G. Shepherd, p. 886-894; L. H. Simerl, p. 895-902.

Parity prices and the parity concept are discussed in detail.

3681 PACKENIUS, W. F. Lebensmittelpreise und nationaleinkommen. Deut. Agrarpolitik 1: 48-52. Nov. 1942. 281.8 D48

3682 PLAN to lower farm prices; shift from parity formula; proposal for direct Government guarantee of minimum income; Mr. Anderson's advocacy of return to competition in marketing of products. U. S. News, Dec. 7, 1945, p. 28-29. 280.8 Un33A

3683 PRICE movements during World Wars I and II. Monthly Labor Rev. 61: 798. Oct. 1945. 158.6 B87M

3684 BOWWELL, D. P. Price control since the general maximum price regulation. Monthly Labor Rev. 61: 675-693. Oct. 1945. 158.6 B87M

3685 WELLMAN, H. R. Is farm price support needed? Calif. Cult. 92: 593, 604, 612-613. Nov. 10, 1945. 6 C12

3686 WILLIAMS, F. M. Recent price trends in foreign countries. Monthly Labor Rev. 61: 624-637. Oct. 1945. 158.6 B87M  
Includes food prices.

#### PROCESSING AND STORAGE

3687 ANEXO A; nómina de los socios de la Unión Industrial Uruguaya, por orden de industrias, hasta el 31 de marzo de 1944. Rev. de la Unión Indus. Uruguay (ser. 3) 45: 1439-1462. Apr. 1944. 280.8 R327

Includes names of firms dealing in processed agricultural products.

3688 BARCLAY, C. B. Canning centers after the war? Agr. Ed. Mag. 18: 109. Dec. 1945. 275.8 Ag8

3689 BARRERA VILAR, J. Industrias yucatecas: el contingente de Yucatán en una campaña nacionalista. Sisal de Yucatán 6(67): 17. July 1945. 73.8 S183

Growth of industry, including industries processing agricultural products.

3690 COUPER, G. P. School canneries to double output. Agr. Leaders' Digest 26(8): 50. Oct. 1945. 275.28 Am3

3691 FOOD products directory; the blue book of food packers, v. 11, 1035 p., 1945/46. San Francisco. 225 F732

3692 GREENLEAF, C. A. Current research in the canning industry. Canning Trade 68(15): 7-8. Nov. 5, 1945. 286.83 T67

3693 HUMPHREYS, L. R. Co-op community canning center completed at Moroni. Utah Farmer 65(7): 3. Nov. 10, 1945. 6 D45

3694 KENNEY, C. H. A story of cold facts: Zer-O-Pak. Canad. Food Packer 16(11): 17-19, 21, 23. Nov. 1945. 286.83 C166

The story of Heeneey Frosted Foods Limited of Toronto, Montreal, and Ottawa.

3695 McDONALD, J. Frozen foods are popular in the New Orleans area. Frosted Food Field, Oct. 1945, p. 5. 389.8 F922

3696 MADIGAN, E. Preparing foods for the freezer. Frosted Food Field, Oct. 1945, p. 18. 389.8 F922

3697 MEYERS, A. M., JR. Veterans pick their own businesses. Dom. Com. 33(10): 16, 44. Oct. 1945. 157.54 D713

Includes food processing businesses.

3698 MOYER, J. C. Electronics in the service of food technology. Canner 101(24): 14-15. Dec. 1, 1945. 286.83 C16

3699 MOYER, J. C. Electronics in the service of food technology; blanching of vegetables by electronic heating results in only minor loss of vitamins as compared with boiling water or steam process. Farm Res. 11(4): 1-3. Oct. 1, 1945. 100 N48A

3700 NICHOLAS, J. E., and GUERRANT, N. B. Problems concerning frozen foods. Refrig. Engin. 50: 417-419, 466, 468. Nov. 1945. Ref. 295.9 Am32J

3701 REDEKER, P. B. Packaged produce kept under cooling preferred by shoppers, test shows. Air Conditioning and Refrig. News 46(10): 10-11. Nov. 5, 1945. 295.8 EL2

- 3702 SAMUELS, M. M. Uses and sources of electric power. Amer. Acad. Polit. and Social Sci. Ann. 242: 67-78. Nov. 1945. 280.9 Am34  
Includes discussion of frozen food.
- 3703 SEABROOK, C. F. Frozen foods can be a multi-billion dollar industry by 1950. Canner 101 (20): 20-22. Nov. 3, 1945. 286.83 C16
- 3704 STARE, F. A. The canning industry looks ahead toward freedom from controls. Canner 101(19): 25, 54. Oct. 27, 1945. 286.83 C16
- 3705 TERREL, C. L. Locker operator association plans home locker program. Frosted Food Field, Oct. 1945, p. 4. 389.8 F922  
National Frozen Food Locker Association.
- 3706 TRIMBLE, A. P. Good storage room helps home canners. Hawaii U. Agr. Ext. Let. 26(2): 3-4. Oct. 1945. 275.29 H312
- 3707 VINOGRADOV, I. A., SHEVCHENKO, M., and RUKOSUEV, A. Zashchita s.-kh. produktov ot otravlianiy shchikh veshchestv. Sotsialist. Sel'sk. Khoz. 12 (7/8): 72-77. July/Aug. 1941. 281.8 So73  
Protection of agricultural products from wartime poisons in the U. S. S. R.
- 3708 WARNER, K. F. Problems of the locker industry. (Sum.) Refrig. Engin. 50: 411-412. Nov. 1945. 295.9 Am32J
- 3709 WEAVER, A. D. Frozen foods for farmers; the modern processing and freezing plant. Nebr. Farmer 87(22): 10. Nov. 17, 1945. 6 N27
- 3710 WOODROOF, J. G., and ATKINSON, I. S. Freezing preserves many, but not all, cooked foods. Canner 101(20): 24, 26; (21): 30, 32, 34, 42. Nov. 3, 10, 1945. 286.83 C16

## STATISTICS

- 3711 THE AGRICULTURAL census of September 15, 1944, in Italy. Internat'l. Inst. Agr. Internat'l. Rev. Agr. 35: 132S-138S. Sept./Oct. 1944. 280.29 In83
- 3712 ARJONA, H. Análisis de los determinantes de la producción agrícola de los cultivos en Yucatán durante el último trienio. Fomento [montaly], No. 22, p. 23-24. Aug. 1945. 8 F734  
Statistics of area, yields, and production.
- 3713 CANADA. BUREAU OF STATISTICS. Canada 1945, 223 p. Ottawa, 1945. 253 St2C  
Contains statistics of agriculture, population, and foreign trade.
- 3714 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Food Products, beverages, rubber, tobacco and miscellaneous manufactures based on vegetable products, 1943, 33 p., processed. Ottawa, 1945. 253 C3321  
Statistics.
- 3715 DENMARK. STATISTISKE DEPARTEMENT. Cartneri, erhvervsmaessigt havebrug og frugtavl 1939/40. Denmark. Statist. Dept. Statist. Meddel. (ser. 4), v. 118, No. 2, 152 p. København, 1943. 257.1 St2M  
Nursery, vegetable, and fruit statistics.
- 3716 DENMARK. STATISTISKE DEPARTEMENT. Landbrugsstatistik 1941 [Agricultural statistics 1941]. Denmark. Statist. Dept. Statist. Meddel. (ser. 4), v. 116, No. 3, 203 p. København, 1942. 257.1 St2M
- 3717 ESTATISTICA de preços no varejo e no atacado. Brazil. Min. do Trab., Indús. e Com. B. 11(127): 291-309; (128): 291-309. Mar., Apr. 1945. 255.3 B737A
- 3718 FERNÁNDEZ Y FERNÁNDEZ, R. Indices generales de la producción agrícola. Mex. Dir. de Econ. Rural. B. Mens., No. 226, p. 120-129. Mar. 1945. 254.5 Ag83
- 3719 FILIPPOV, A. Ob uchete urozhaya po brigadam i zven'iam. Sotsialist. Sel'sk. Khoz. 12(6): 32-34. June 1941. 281.8 So73  
Grain and other crop estimates for wage determination on collective farms.

- 3720 FRANCE. SERVICE D'ÉTUDES ET DE DOCUMENTATION. Renseignements statistiques sur l'agriculture française. France. Min. de l'Agr. et du Ravitaillement. B. de Statist. Agr., v. 2, Spec. No., 52 p. Mar. 1943. 260 Se6
- 3721 FRANCE. SERVICE D'ÉTUDES ET DE DOCUMENTATION. BUREAU DES ÉTUDES. L'agriculture hollandaise, sa structure, ses productions. France. Min. de l'Agr. et du Ravitaillement. B. de Statist. Agr. 2: 109-121. May 1943. 260 Se6  
Statistical.
- 3722 FRANCE. SERVICE D'ÉTUDES ET DE DOCUMENTATION. BUREAU DES ÉTUDES. La structure agricole du Danemark. France. Min. de l'Agr. et du Ravitaillement. B. de Statist. Agr. 2: 1-19. Apr. 1943. 260 Se6  
Statistical.
- 3723 NEW SOUTH WALES. STATISTICIAN. Statistical register, 1943/44, Pt. II, Factories and works, p. 59-117. Sydney, 1945. 271.1 St2S  
Includes statistics for industries processing agricultural products.
- 3724 NÚMEROS índices que se calculan en México y que tienen relación con la economía agrícola del país. Mex. Dir. de Econ. Rural. B. Mens., No. 224, p. 1242-1256. Jan. 1945. 254.5 Ag83  
Each type of index is described by a different author or agency.
- 3725 QUEBEC. BUREAU OF STATISTICS. Statistical year book, 30th, 1944, 527 p. Quebec, 1945. 253.8 St2  
In French and English.
- 3726 RENSEIGNEMENTS statistiques sur l'agriculture des pays européens. France. Min. de l'Agr. et du Ravitaillement. B. de Statist. Agr. 1: 235-244. Dec. 1, 1942. 260 Se6
- 3727 WAGES and food prices in the Dominican Republic, 1944. Monthly Labor Rev. 61: 792. Oct. 1945. 158.6 B87M  
Based on data from reports from United States Embassy, Ciudad Trujillo.
- 3728 WALKER, M. South Africa envisages many economic advances. Foreign Com. Weekly 21(5): 6-7, 47-48. Oct. 27, 1945. 157.54 F763  
Includes figures for agricultural production.
- 3729 WATKINS, F. P., ed. West Virginia Blue Book, 1944, 933 p. Charleston, W. Va., 1944. 252.95 I52  
Contains data on crops and livestock, land tenure, and farm income.
- 3730 WESTERN AUSTRALIA. STATISTICIAN. Pocket year book of Western Australia, 27th, 1945, 184 p. Perth, 1945. 271.7 R26P  
Includes agricultural statistics.

## BEVERAGES AND CONDIMENTS

- 3731 ANTECEDENTES y resultados de la IV Conferencia Panamericana del Café. Planificación Econ., No. 33, p. 161-167. Nov. 6, 1945. 280.8 p695
- 3732 ARSENIOW, V. Examinez vos vins avant les soutirages de printemps. Prog. Agr. et Vitic. 115: 194-195. Mar. 16, 1941. 14 P94
- 3733 ASTRUC, H. Appréciation de l'anhydride sulfureux dans les mutés. Prog. Agr. et Vitic. 114: 186-187. Sept. 29, 1940. 14 P94
- 3734 ASTRUC, H. Fabrication domestique du vinaigre. Inform. Maroc. (n. s.) 14(287): 2. Sept. 30, 1945. 281.8 In3
- 3735 B., J. Piquettes et alcool vinique. Prog. Agr. et Vitic. 116: 260-261. Nov. 23/30, 1941. 14 P94
- 3736 B., J. Vendanges et marchés. Prog. Agr. et Vitic. 114: 160-161. Sept. 22, 1940. 14 P94
- 3737 BOIXO, BARON DE. Note sur le mutage des moûts. Prog. Agr. et Vitic. 115: 377-381. May 25, 1941. 14 P94



3738 BOUFFARD, E. Observations sur la concentration des moûts. Prog. Agr. et Vitic. 114: 226-229. Oct. 13, 1940. 14 P94

3739 BRANAS, J. Appellations d'origine. Prog. Agr. et Vitic. 121: 97-98. Mar. 19/26, 1944. 14 P94

Wine quality.

3740 BROWN, B. M. The fermentation industries. Soc. Chem. Indus. Rpts. Prog. Appl. Chem. (1943) 28: 368-378. 382 M31R  
Brewing research.

3741 BRÜERE, P. Remarques au sujet d'un produit de substitution du café, le Cassia occidentalis, toxique avant torréfaction. J. de Pharm. et de Chim. (ser. 9) 2: 321-324. 1942. 383 J825

3742 BUCHET, G. Conseils pour la vendange. Mutage des moûts. - Où se procurer l'anhydride sulfureux. Prog. Agr. et Vitic. 114: 105-108. Sept. 1, 1940. 14 P94

3743 CHAMINADE, R. La disette de vin. Prog. Agr. et Vitic. 116: 297-299. Dec. 21/28, 1941. 14 P94

3744 CHEVALIER, G. Moûts concentrés et sucre de raisin en Algérie. Prog. Agr. et Vitic. 116: 202-203. Nov. 2, 1941. 14 P94

3745 CHEVALIER, G. Mutage des moûts au monobromacétate de sodium. Prog. Agr. et Vitic. 115: 289-294. Apr. 27, 1941. 14 P94

3746 COULONDRE, E. Utilisation de cinq à dix millions d'hectos de mutés produits obligatoirement par les viticulteurs. Prog. Agr. et Vitic. 114: 62-65. Aug. 4, 1940. 14 P94

3747 DEGRULLY, P. L'écoulement des vins. Prog. Agr. et Vitic. 115: 309-310. May 4, 1941. 14 P94

3748 DEGRULLY, P. Le ravitaillement de la métropole en vins de consommation courante. Prog. Agr. et Vitic. 115: 421-422. June 15, 1941. 14 P94

3749 DELON, E. Les prestations d'alcool vinique et les mutés. Prog. Agr. et Vitic. 115: 301. Apr. 27, 1941. 14 P94

3750 DESSOLIERS, F. Mutage facile des moûts. Prog. Agr. et Vitic. 114: 304-305. Nov. 10, 1940. 14 P94

3751 DROUINEAU, G. À propos des succédanés. Prog. Agr. et Vitic. 114: 181-182. Sept. 29, 1940. 14 P94

Coffee substitutes.

3752 ÉCOLE NATIONALE D'AGRICULTURE, MONTPELLIER, FRANCE. Mode d'emploi de l'acide monobromacétique et ses dérivés pour le mutage des moûts de raisins destinés à la concentration. Prog. Agr. et Vitic. 114: 162-164. Sept. 22, 1940. 14 P94

3753 FABRE, J.H., and BRÉMOND, E. Note au sujet de la conservation des moûts mutés préparés en 1940 en vue d'une fabrication de sirop de sucre de raisins. Prog. Agr. et Vitic. 114: 339-341. Nov. 24, 1940. 14 P94

3754 FLANZY, M. Des contrats pour l'achat des vins doux naturels. Prog. Agr. et Vitic. 115: 240-242. Mar. 30, 1941. 14 P94

3755 FLANZY, M. Mutage des moûts. Prog. Agr. et Vitic. 114: 177-178. Sept. 29, 1940. 14 P94

3756 FLANZY, M. Observations sur le mutage des moûts. Prog. Agr. et Vitic. 114: 145-146. Sept. 15, 1940. 14 P94

3757 FRANÇOT, P. Soins à donner aux moûts mutés en cours de conservation. Prog. Agr. et Vitic. 114: 273-281. Nov. 3, 1940. 14 P94

3758 KASPER, R. C. Control your coffee profits. Co-op. Merchandiser 10(8): 18-19, 43. Aug. 1945. 286.28 C78

3759 KLENK, E. Der 1944er wein in Württemberg und seine behandlung. Deut. Weinbau 24(1): 4. Jan. 1945. 95.8 D48

3760 KRAM, P. P. Puti vosstanovleniâ vinogradnikov vinkombinata "Massandra". Vinodel. i Vinograd. SSSR 4(12): 4-5. Dec. 1944. 95.8 V77  
Wine industry in the Crimea.

3761 LAGARRE, H. L'acide monobromacétique. Prog. Agr. et Vitic. 114: 133-135. Sept. 8, 1940. 14 P94

Use of monobromacetic acid in fermentation of wine.

3762 LLERAS RESTREPO, C. Los actuales precios del café. Inst. de Defensa del Café de Costa Rica. Rev. 15: 291-295. June 1945. 68.28 C82

3763 LUGAN, J. Moût concentré et production fruitière. Prog. Agr. et Vitic. 114: 146-148. Sept. 15, 1940. 14 P94

3764 LUZ FILHO, F. Mensagem aos cooperadores hervateiros. Cooperativismo 5(53): 8, 7. Feb. 1945. 280.28 C7872  
Brazil.

3765 M., P. Vins et apéritifs. Monit. de l'Aliment. 39(372): 17. July 1945. 389.8 M74  
Attempts at monopolizing the sale of these products in Belgium.

3766 LA MATERIA colorante de la uva. By Eno. Vinos, Viñas y Frutas 41: 45, 47. July 1945. 9 Ag89

Color changes in wine manufacture.

3767 MELLO, J. C. Café e mate na República Argentina. São Paulo. Supt. dos Serv. do Café. B. 20: 532-536. May 1945. 68.29 Sa63

3768 MENDES, J. E. T. Semelhanças e diferenças entre a lavoura cafeeira de Santa Catarina e a da Colômbia. São Paulo. Supt. dos Serv. do Café. B. 20: 522-531. (Cont.) May 1945. 68.29 Sa63

3769 MERIC, P. Mesure de la richesse saccharine des concentrés. Prog. Agr. et Vitic. 114: 289-291. Nov. 3, 1940. 14 P94

3770 NÈGRE, E. Comment distinguer les vins rosés et les vins de café des vins rouges? Prog. Agr. et Vitic. 115: 373-377, 396-403. May 25, June 1, 1941. 14 P94

3771 NÈGRE, E., and FRANÇOT, P. Contribution à l'étude des effets biologiques de l'acide monobromacétique. Prog. Agr. et Vitic. 116: 243-248, 261-266, 282-286. Nov. 16, 23/30, Dec. 7/14, 1941. 14 P94

Monobromacetic acid for use in fermenting wine.

3772 NÈGRE, E. Mutage des moûts; renseignements complémentaires. Prog. Agr. et Vitic. 114: 153-154. Sept. 15, 1940. 14 P94

3773 NÈGRE, E. Sur les mutés à l'acide monobromacétique. Prog. Agr. et Vitic. 115: 33-36. Jan. 12, 1941. 14 P94

3774 NÈGRE, E. Tanin et mutés. Prog. Agr. et Vitic. 114: 130-133. Sept. 8, 1940. 14 P94

3775 OSIPOV, M. Tak vozrozhdaetsia "Massandra". Vinodel. i Vinograd. SSSR 4(12): 38-46. (To be cont.) Dec. 1944. 95.8 V77

Reconstruction of the wine industry in the Crimea.

3776 PENTEADO, E. Discurso. Café de El Salvador 15: 309-311. July 1945. 68.28 C112  
The problems of the coffee industry.

3777 ROSENTHAL, J. Problem of coffee prices and inflation in Latin America. Coffee Trade Rev. and Statis. B. 4(10): 11-12. Oct. 1945. 68.28 C65

3778 ROSSI, R. ¿Son necesarias las raspas en la vinificación? Consideraciones acerca de la utilidad del desraspado de las uvas en la elaboración de vinos de calidad. Chacra 15(180): 38-39. Oct. 1945. 9 C34

3779 ROUTIER, E. Spices. Culinary Rev. 14(1): 5, 7. Oct. 1945. 389.8 C89

3780 SCHANDLER, H. Neue erkenntnisse über die ursachen des mäusebaus der weine. Deut. Weinbau 24(1): 3-4. Jan. 1945. 95.8 D48

3781 SÉBASTIAN, V. À propos de la concentration des moûts. Prog. Agr. et Vitic. 114: 98-99. Aug. 25, 1940. 14 P94

3782 SÉBASTIAN, V. Mastimétrie. Prog. Agr. et Vitic. 115: 318-320, 341-343. May 4, 11, 1941. 14 P94

3783 SÉBASTIAN, V. Réflexions rétrospectives sur le mutage. Prog. Agr. et Vitic. 114: 224-226. Oct. 13, 1940. 14 P94

3784 SEMICHON, L. Acide sulfureux et acide phosphorique en vinification. Prog. Agr. et Vitic. 114: 164-167. Sept. 22, 1940. 14 P94

3785 SOBOLEV, N. K. "Massandra" vozrozhdaet-sia. Vinodel. 1 Vinograd. SSSR 4(12): 1-3. Dec. 1944. 95.8 V77

Reconstruction of the wine industry in the Crimea.

3786 VÁZQUEZ BELLO, L. La valorización del café en los Estados Unidos. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 38-40. July/Sept. 1945. 8 Ag88Re  
Processing and marketing.

3787 VICENTE, G. C., and JONES, M. A. Chemistry of vanilla processing; a technique for studying oxidizing enzymes of vanilla. Spice Mill 68(11): 65-66. (To be cont.) Nov. 1945. 389.8 Sp4

3788 VOL'SKIÝ, E. S. Vosstanovlenie sovkhóza. Vinodel. 1 Vinograd. SSSR 4(12): 46. Dec. 1944. 95.8 V77

Restoration of state farm "im. S. Perovskaiá" as part of the wine industry of the U. S. S. R.

3789 YEARWOOD, R. D. E. Laboratory experiments on the preparation and preservation of vinegar. Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. 1944: 82-85. 65.9 B775

Discussion, p. 86.

#### DAIRY PRODUCTS

3790 ANDERSON, C. P. Wartime milk economy measures should be retained. Certified Milk 20 (234): 1-4. Oct. 1945. 44.2 C33

3791 AURION, B. Le problème des sanctions; comment il est envisagé dans les milieux agricoles. Union Laitière 8(6): 1. Mar. 15, 1942. 286.85 C76U  
In the dairy industry in France.

3792 BARTLETT, R. W. Looking ahead in the milk business. Hoard's Dairyman 90: 582. Oct. 25, 1945. 44.8 H65

3793 CASTRO G. H., A. Aspectos del problema de la leche. Simiente 14(3/4): 9-10. 3rd-4th quarter, 1944. 9.3 S14

Various problems of milk production and supply in Chile.

3794 CLARK, W. W. Dairying today and tomorrow. Pure Milk Prod. Press 10(6): 3. Aug. 1945. 280.28 P972

3795 COMBS, W. B., and COULTER, S. T. Keep your eye on new dairy products. Minn. Farm and Home Sci. [Minn. Sta.] 3(1): 1, 12-13. Oct. 15, 1945. 100 M668

3796 CRAZANNES, C. DE. Voyage d'études en Allemagne, 15-21 février 1942. Union Laitière 8(6): 1. Mar. 15, 1942. 286.85 C76U

The organization of the dairy industry in Germany.

3797 DEYSENROTH, C. F. 125,000 housewives can't be wrong! ...Here are their ideas about fresh milk. Milk Plant Monthly 34(10): 24-25. Oct. 1945. 44.8 C864

3798 DOW, G. F. The dairy situation. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 60, p. 1329-1333, processed. Oct. 1945. 275.29 M281F

3799 ELIE, M. La répartition et l'organisation professionnelle des commerçants. Union Laitière 7 (24): 1. Dec. 15, 1941. 286.85 C76U

Reference to the French dairy industry.

3800 FROM little Irish milk cart to prosperous Canadian dairy. Canad. Dairy and Ice Cream J. 24 (10): 27-30. Oct. 1945. 44.8 C162  
Donlands Dairy Ltd.

3801 GOLDING, N. S. The gas requirements of molds. IV. A preliminary interpretation of the growth rates of four common mold cultures on the basis of absorbed gases. J. Dairy Sci. 28: 737-750. Oct. 1945. Ref. 44.8 J822  
Aspergillus niger, Penicillium expansum, Aspergillus flavus, and Oidium lactis.

3802 GRAY, W. Water supply and milk production. Dairy Indus. 10: 642-645. (Concl.) Sept. 1945. 44.8 D1427

3803 GUÉRAULT, A. La grande misère des approvisionnements. Union Laitière 8(2): 2-3. Jan. 15, 1942. 286.85 C76U  
In the dairy industry in France.

3804 A INDÚSTRIA leiteira tem uma grande e nobre função social; porisso deve ser tratada com toda a atenção. Rev. dos Criadores 16(8): 12-14. Aug. 1945. 43.8 R32  
Brazil.

3805 KONIRSCH, W. G. Now that the war is over. West. Dairy J. 1(12): 13, 66-67. Oct. 1945. 44.8 W524

Achievements of the dairy industry during the war and postwar prospects.

3806 KURSEINER, J. Alpkasereibesuche und kurse mit den zuständigen inspektoren im deutschschweizerischen Alpengebiet und im Maggiatal (Tessin). Schweiz. Milchztg. 71: 327, 332, 336. (Concl.) Sept. 14-21, 1945. 44.8 Sch92

3807 LA FOLLETTE, R. M., JR. Restore balance in natural cheese industry. Cheese Rptr. 70(10): 5, 9. Nov. 9, 1945. 44.8 Sh3

3808 LAMPE, W. Wagga district as dairying centre. Primary Prod. [Sydney] 22(36): 10. Sept. 7, 1945. 23 P93

Organization of dairy producers in Riverina.

3809 LLINAS, J. N. La industria lechera. Cult. Agr. 4(46): 14. Aug. 1945. 9.4 C89  
Colombia.

3810 LOBO, J. S. Leite alimentar e indústria de laticínios. Rev. de Med. Vet. [Lisboa] 40: 162-167. Apr./June 1945. 41.8 R3215

3811 M., T. B. This milk business. Scot. Home and Country 21: 175. Nov. 1945. 281.28 Sco3

3812 MORENA, N. O problema do leite em São Paulo. Arq. de Hig. e Saúde Púb. 7(14): 63-86. Jan. 1942. 449.8 Ar6

3813 MUCCILOLO, P. Desenvolvimento da indústria de laticínios no sul de Minas. Rev. dos Criadores 16(8): 9-10. Aug. 1945. 43.8 R32

3814 NICHOLS, M. B. Forecasting the future. West. Dairy J. 1(12): 47. Oct. 1945. 44.8 W524  
On the dairy industry.

3815 PIERCE, H. F. American dairy industry deals with reconversion problems. Canad. Dairy and Ice Cream J. 24(10): 38, 40. Oct. 1945. 44.8 C162

3816 LOS PRODUCTOS lácteos en la Rep. Argentina, y sistema para obtener una leche higiénica. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 10(9): 14-16. Sept. 1945. 286.8 M575  
By the Mexican consulate in Buenos Aires.

3817 RAY, L. L. Future of the dairy industry in North Carolina. Farmers Fed. News 26(3): 7, 19. Nov. 1945. 280.28 F225

3818 ROSE UGARTE, L. La industria lechera en el Departamento de Lambayeque. (Excerpts) Vida Agr. 22: 611, 613, 615, 617, 619, 621, 623-624. July 1945. 9.8 V66  
Peru.

3819 ST. JOHN, W. K. Looking ahead in the Canadian dairy industry. Marit. Farmer and Co-op. Dairyman 55(4): 5, 25. Nov. 20, 1945. 7 C77



3820 SMITH, C. The dairy situation for northern New England. New England Dairies News 5(7): 6-7. Oct. 1945. 44.9 N443

3821 SOUCHON, P. Le Nord laitier. Union Laitière 8(3): 3-4. Feb. 1, 1942. 286.85 C76U  
The dairy industry in northern France.

3822 STOECKEL, R. L'amélioration de la production laitière (France). Union Laitière 8(2): 1, 3. Jan. 15, 1942. 286.85 C76U

3823 WALTZ, R. Waltz discusses dairy products market. Skagit Co-op. Dairyman 23(2): 16, 18. Oct. 1945. 280.28 Sk1

3824 WATSON, J. G. What about dairying? Grandin Farmer, No. 8, p. 1, 4. Nov. 1945. 6 G763  
Postwar aspects in New England.

3825 WILKINSON, F. Dairying as a business proposition; the farm viewed as a factory. Agr. Gaz. N. S. Wales 56: 405-406, 414. Sept. 1, 1945. 23 N472

3826 YAPP, W. W. Six changes predicted for dairy industry. Certified Milk 20(234): 8. Oct. 1945. 44.8 C33

#### Analysis and Composition

3827 BALAVOINE, P. Le teneur en matière grasse du lait s'est-elle modifiée durant les "années de guerre?" Soc. de Phys. et d'Hist. Nat. de Genève. Compt. Rend. 61: 243-245. Aug./Dec. 1944. 508 G28C

3828 BARKWORTH, H. Laboratory tests for clean milk. Part IX. Where resazurin differs from methylene blue. Dairyman 62: 283, 285. Oct. 1945. 44.8 D1426

3829 BELL, G. A new method of collecting milk for bacteriological examination. Milk Plant Monthly 34(10): 68. Oct. 1945. 44.8 C864

3830 BLIN, H. Les variations des constituants du lait. Union Laitière 8(4): 1. Feb. 15, 1942. 286.85 C76U

3831 CAMIEN, M. N., SALLE, A. J., and DUNN, M. S. Investigations of amino acids, peptides and proteins. XXII. Percentages of some amino acids in lactobacilli. Arch. Biochem. 8: 67-78. Oct. 1945. 381 Ar2

3832 K., W. D. Appearance of ropiness in milk. Farmers' Gaz. [Dublin] 103: 608. Oct. 13, 1945. 10 F221

Sources of infection and prevention.

3833 KASTLI, P. Untersuchungen über den gehalt der milch in der Schweiz. Schweiz. Milchztg. 71: 291-292, 295-296, 299-300. (To be cont.) Aug. 14-21, 1945. 44.8 Sch92

3834 LAMPERT, L. M. The phosphatase test and its application to cheese. J. Dairy Sci. 28: 751-757. Oct. 1945. 44.8 J822

3835 MINUT, J. Suposiciones y conceptos sobre la significación higiénico-sanitaria del contenido de amoníaco en las leches. Indus. Lechera 27: 165, 167-170, 255-260. (Concl.) Mar.-Apr. 1945. 44.8 In26

3836 PIEN, J. Sur le degré d'exactitude de la méthode Gerber. Union Laitière 8(1): 3; (2): 3-4. Jan. 1-15, 1942. 286.85 C76U

3837 SANDERS, G. P., and SAGAR, O. S. Phosphatase test for Cheddar cheese. South. Dairy Prod. J. 38(5): 48-50. Nov. 1945. 44.8 So83

3838 SOUTHERN RHODESIA. DEPT. OF AGRICULTURE AND LANDS. DAIRY BRANCH. Dairy tests. Rhodesia Agr. J. 42: 313-322. (To be cont.) July/Aug. 1945. 24 R34

Tests for butterfat and for solids, moisture, and salt in dairy products.

#### Consumption and Utilization

3839 ANANTAKRISHNAN, C. P., and PAUL, T. M. Utilization of dairy by-products. Indian Farming 6: 106-108. Mar. 1945. 22 In283

Utilization of casein and whey.

3840 BUIGNE, J. DE. Utilisation des sous-produits; le lactose ou sucre de lait et ses usages. Rev. des Prod. Chim. 44: 309-315, 317. (To be cont.) Dec. 15/31, 1941. Ref. 383 R327

3841 NORTH, G. C., and others. Post-war utilization of dairy products. J. Dairy Sci. 28: 721-726. Oct. 1945. 44.8 J822

H. H. Sommer, P. F. Sharp, and L. K. Riggs, joint authors.

#### Distribution, Marketing, and Transportation

3842 COBB County co-op grows with industry. Marietta, Georgia, is home of new plant. South. Dairy Prod. J. 38(5): 54, 62. Nov. 1945. 44.8 So83

Dairy cooperative.

3843 FULLER, H. B. Quality demanded by public. Ice Cream Field 46(4): 56. Oct. 1945. 389.8 Ic23  
Merchandising of ice cream.

3844 GAULTHIER, J. Le climat de la distribution des produits laitiers. Union Laitière 8(4): 1, 3. Feb. 15, 1942. 286.85 C76U  
France.

3845 HIBBEN, R. C. Ice cream sales can readily be doubled in the home market. Canad. Dairy and Ice Cream J. 24(10): 54, 56, 58. Oct. 1945. 44.8 Cl62

Same article with title: *For a Billion Gallons in Ice Cream Field* 46(4): 38, 40, 88, 90, Oct. 1945. 389.8 Ic23

3846 HOOD, H. P. Word power—take a lesson. Milk Plant Monthly 34(10): 23. Oct. 1945. 44.8 C864

Importance of the use of publicity in the dairy industry.

3847 JOHNSON, S. Fat differentials for market milk. Hoard's Dairyman 90: 596-597. Oct. 25, 1945. 44.8 H65

3848 KEEN, H. A new way to sell ice cream and frozen foods. Ice Cream Field 46(4): 71-72. Oct. 1945. 389.8 Ic23

3849 LARUE, P. Réseaux laitiers. Prog. Agr. et Vitic. 116: 335. Nov. 16, 1941. 14 P94

3850 LEA, N. Sell variety in cheese. Co-op. Merchandiser 10(10): 34-35, 48. Oct. 1945. 286.28 C78

3851 LEBRUN, E. J. Milk delivery system studied. R. I. State Col. Ext. Better Rural Life 6(10): 1-2. Oct. 1945. 275.29 R34B

3852 S., B. Die Milchversorgung der Städte. Schweiz. Bauernztg. 45: 39. Oct. 1945. 280.28 Sch93

3853 SEIFERT, H. A. N. Z. dairymen's verdict after 9 years of marketing. Stock and Land 35(36): 7. Sept. 5, 1945. 49 St63

3854 THOM, E. \$64 question - What about EOD delivery? New survey reveals "hope" for retention of restricted deliveries. Milk Dealer 35(1): 40-42, 71. Oct. 1945. 44.8 M595

3855 THOMANN, W. Der private milchhandel streikt nicht. Schweiz. Milchztg. 71: 327. Sept. 14, 1945. 44.8 Sch92

3856 WALKER, E. L. Finest quality at lowest prices vital. Ice Cream Field 46(4): 36. Oct. 1945. 389.8 Ic23  
Merchandising of ice cream.

#### Grading, Inspection, Standardization, and Quality

3857 CHRISTIANSEN, C. V. The three "C's" of quality milk production. Bow'an Arrow, Prod. Ed. 1(4): 3. Aug. 1945. 44.8 B672

3858 CORNEJO M., M. Alteraciones del sabor y aroma de la mantequilla durante el almacenamiento. Simiente 15(1): 42-43. Jan./Mar. 1945. 9.3 Si4

3859 DAVISON, J. C., JR. Dirty milk finds buyers scarce as inspectors crack down. *Farmer-Stockman* 58: 402. Nov. 1945. 6 Ok45

3860 FURNIA, R. L., MANSON, W. H., and MCCHALE, E. R. Causes and reasons for rejected milk. *Dairy Indus.* 10: 646-656. Sept. 1945. 44.8 D1427

Papers presented at a symposium on the occasion of the 20th Annual Conference of the New York State Association of Milk Sanitarians, Albany.

3861 GREENE, S. H. You can't sell it if it hasn't quality. *West. Dairy J.* 2(1): 16, 45. Nov. 1, 1945. 44.8 W524

Milk and dairy foods.

3862 HOFFMAN, H. I. Must maintain production of quality cheese, National Cheese Institute president asserts. *Cheese Rptr.* 70(10): 5-6. Nov. 9, 1945. 44.8 Sh3

3863 KROOK, J. G. Control of cream sent to creameries. *So. African Dairyman* 7: 223, 226. Oct. 1945. 44.8 So822

3864 LHERITIER. Le contrôle de la production. *Union Laitière* 8(3): 1, 4. Feb. 1, 1942. 286.85 C76U

In the French dairy industry.

3865 LORENZI, D. V. DE. Sobre clasificación y métodos de inspección de productos lácteos. *Indus. Lechera* 27: 179-190. Mar. 1945. 44.8 In26

3866 MAHARG, E. Inspect the dairies or just the milk? *West. Dairy J.* 1(12): 76. Oct. 1945. 44.8 W524

3867 MARQUARDT, J. C., and HAYES, F. Fresh and aged cheese compared for quality. *Cheese Rptr.* 70(11): 3, 7. Nov. 16, 1945. 44.8 Sh3

3868 MCTRAM, W. R. Laboratory control in the dairy industry. *So. African Dairyman* 7: 211, 213. Oct. 1945. 44.8 So822

Quality control.

3869 ROBERTS, W. M., and WYLIE, C. E. Off flavor in milk. *South. Dairy Prod. J.* 38(5): 35. Nov. 1945. 44.8 So83

3870 RUDNICK, A. W. Quality problems. *Natl. Butter and Cheese J.* 36(11): 36-38. Nov. 1945. 286.85 B98Bu

Production of quality milk.

3871 WEAVERS, H. J. Plants organize quality groups to improve milk at intake, Weavers tells. *Cheese Rptr.* 70(9): 5. Nov. 2, 1945. 44.8 Sh3

#### Packing and Packaging

3872 STOLTZ, R. B. Milk containers. (Abs.) *Amer. Milk Rev.* 7: 422, 424. Nov. 1945. 44.8 Am38

3873 WAGNER, B. R. Evansville shifts to square milk bottles -- over night. *Dairy World* [Chicago] 24(5): 6-8. Oct. 1945. 44.8 D1423

#### Prices, Price Control, and Rationing

3874 GAULTHER, J. Inscrives-vous! Inscrivez-vous! *Union Laitière* 8(2): 3. Jan. 15, 1942. 286.85 C76U

Methods of registering consumers for obtaining dairy products in France.

3875 GUERULT, A. Parlons chiffres. *Union Laitière* 8(3): 1, 2. Feb. 1, 1942. 286.85 C76U

Price-fixing of dairy products in France.

3876 MCCANN, R. Should you be paid for solids or fat? *West. Dairy J.* 1(12): 28-29. Oct. 1945. 44.8 W524

3877 MOITY, A. L'incidence des prix sur l'orientation de la production laitière. *Union Laitière* 8(3): 1. Feb. 1, 1942. 286.85 C76U

France.

3878 SMITH, C. W. Parity prices for milk are out of date. *New England Dairies News* 5(7): 12-13. Oct. 1945. 44.9 N443

#### Processing and Storage

3879 CAVANAUGH, W. W. Pasteurization by high temperature-short time; description of method and equipment with outline of operating procedures -- advantages over Batch method. Pt. 2. *Amer. Milk Rev.* 7: 378, 380, 382, 384. (Concl.) Oct. 1945. 44.8 Am38

3880 CONE, J. F. Will whole milk powder be an orphan? *Skagit Co.-op. Dairyman* 23(2): 7, 10. Oct. 1945. 280.28 Sk1

3881 DAHLBERG, A. C., and FERRIS, F. Influence of the frequency of transfer of lactic starters upon rate of acid development and quality of Cheddar cheese. *J. Dairy Sci.* 28: 771-778. Oct. 1945. 44.8 J822

3882 DAHLBERG, A. C. The keeping quality of pasteurized milk in the New York Metropolitan area during cool weather as determined by bacterial counts, presence of coliform bacteria, and flavor scores. *J. Dairy Sci.* 28: 779-792. Oct. 1945. 44.8 J822

Similar article in *Amer. Milk Rev.* 7: 372, 374. Oct. 1945. 44.8 Am38

3883 DAHLBERG, A. C. A look ahead on the future of dry whole milk. *Agr. Leaders' Digest* 26(8): 34. Oct. 1945. 275.28 Am3

3884 DAHLE, C. D. Chocolate ice cream. *South. Dairy Prod. J.* 38(5): 28-30. Nov. 1945. 44.8 So83

3885 DAHLE, C. D., and WATROUS, G. H., JR. A grating type cheese. *Natl. Butter and Cheese J.* 36(11): 44, 46. Nov. 1945. 286.85 B98Bu

3886 DAVIS, J. G. Milk cooling; the surface cooler versus churn immersion. *Mod. Refrig.* 48: 223-224, 228. Oct. 18, 1945. 295.8 M72

3887 DUBLIN liquid milk trade. By Lactis. *Irish Agr. and Creamery Rev.* (n. s.) 14(142): 4. Oct. 1945. 44.8 C866

Pasteurization.

3888 FENUCCI, L. Mantequilla casera. *Rincon Campesino* 6(59): 30-31. Oct. 1945. 8 R47

Manufacture.

3889 FOURNIER, A. Sur la congélation du lait. *Rev. de Path. Compar.* 41: 155-164. May/Oct. 1940/June 1941. 448.8 R326

Discussion, p. 183-185.

3890 FRISQUE, K., and PIRAUX, E. Contribution à la connaissance de la technique beurrière en Belgique. *Inst. Agron. et des Stas. de Rech. de Gembloux. B.* 10(1/4): 100-141. 1941. 105.1 G285

3891 GLAZIER, L. R. La leche agria se hace paso. *Rev. Pecuaria*, No. 81/82, p. 13-14. June/July 1945. 49 R326

Findings of the Lacto-B Laboratories in Buffalo, N. Y., on the manufacture of cultured milk.

3892 GUILLÉN, P. V. M. Indicaciones para la elaboración del queso "Cheddar." *Campo* [Buenos Aires] 29(347): 64-65, 69. Sept. 1945. 9 C15

3893 HERSHEY, J. M. British Columbia towns have pasteurization program. *Canad. Dairy and Ice Cream J.* 24(10): 31-33. Oct. 1945. 44.8 C162

3894 JACKSON, P. M. Scott County homemaker makes American cheese. *South. Planter* 106(11): 19. Nov. 1945. 6 So89

3895 McDONALD, V. R. Rate of ripening Cheddar cheese. *So. Austral. Dept. Agr. J.* 49: 69-73. Sept. 1945. 23 So84

3896 MALVANNY, J. L. A pasteurização do leite destinado à elaboração de queijos. *Agr. e Pecuária* 16(265): 4. May 1945. 9.2 Ag89

3897 MANDT, P. H. Buttermaking on a big scale. *Natl. Butter and Cheese J.* 36(11): 32-35, 62, 64, 66. Nov. 1945. 286.85 B98Bu

History and operation of the C. A. Swanson & Sons Company, Omaha, Nebr.

3898 MARQUARDT, J. C. Research is needed on goat milk. *Dairy Goat J.* 23(9): 7. Nov. 1945. 40.18 M592

3899 MATTICK, A. T. R., NICHOLS, A. A., and WOLF, J. Z. The control of slowness in making Cheddar cheese. *Canad. Dairy and Ice Cream J.* 24(10): 23-24, 50, 52. Oct. 1945. 44.8 C162



3900 MATTICK, A. T. R. H. T. & S. T., temperature could be lowered; rapid loss of cream-line above 160°F. Dairymen 62: 279, 281. Oct. 1945.

44.8 D1426

3901 NATIONAL DAIRY COUNCIL. The dairy industry looks ahead. Amer. Dairy Cattle Club. Herd Builder 5(10): 6-8, processed. Oct. 25, 1945.

43.9 Am323H

Research program of the National Dairy Council.

3902 OGILVIE, J. D. W., and RICE, E. B. Butter-making. Queensland Agr. J. 61: 166-175. Sept. 1, 1945. 23 Q33

3903 PASCALE, H. Questão do leite em Baurú. Arq. de Hig. e Saúde Púb. 7(14): 213-214. Jan. 1942.

44.9.8 Ar6

Importance of pasteurization.

3904 PROVAN, A. L. The dairy laboratory. Dairy Indus. 10: 632-635, 641. Sept. 1945.

44.8 D1427

3905 ROBERTS, I. C. Whey processing field provides market for product once waste. Cheese Rptr. 70(9): 22. Nov. 2, 1945. 44.8 Sh3

3906 SAMMIS, J. L. Coulommier cheese process. Dairy Goat J. 23(9): 14. Nov. 1945. 40.18 M592

3907 SANTOS, I. A. DOS, and CRUZ, A. A. DA. Subsídios para o estudo dos coalhos usados na indústria queijeira nacional. Portugal. Dir. Geral dos Serv. Pecuários. B. Pecuário 12(3): 3-11. 1944.

41.8 P83

3908 WHITPIER, E. O., and RICHARDSON, L. S. Lactic acid from whey. Hoard's Dairymen 90: 600. Oct. 25, 1945. 44.8 H65

#### Statistics

3909 CANADA. BUREAU OF STATISTICS. AGRICULTURAL BRANCH. Dairying statistics of Canada, 1944, 16 p. Ottawa, 1945. 253 C334D

Text prepared by P. H. Ferguson.

Reprinted from Canada Year Book, 1945.

3910 DANSKE MEJERIFORENINGERES FÆLLESORGANISATION. KONTORET FOR MEJERI-STATISTIK. Danmarks mejeri-statistik 1943; Danmarks mejeri-drifts-statistik, 46. aarsberetning (regnskaber for 1942); Danmarks smørpris-statistik, 40. aarsberetning (1 april 1942-31. marts 1943), 75 p. Odense, 1943.

44.9 D41

Statistics on the operations of creameries and on butter prices in Denmark.

3911 DORE, V. Production of cow milk in Europe on the eve of the war. Internatl. Inst. Agr. Internatl. Rev. Agr. 35: 115S-131S. Sept./Oct. 1944. 241 In82A

Statistical.

3912 QUEBEC. BUREAU OF STATISTICS. Dairy products statistics, 1944, 10 p. Quebec, 1945.

253.8 St2St

In French and English.

3913 STEINER, F. Apuntes sobre la industria lechera. Agr. Trop. 1(9): 65-68. Oct. 1945.

26 Ag8

Statistics for Colombia.

#### FEED AND FORAGE CROPS

3914 BAMERT, J. W. Feed store of the future; model display set up at Springfield for Illinois Feed Association, outlines main principles. Hatchery Tribune 19(11): 16, 59-60. Nov. 1945. 47.8 H28

3915 GORDON, M. D. Abolish tied-to-the-holding [poultry] rations. Poultry [London] 97: 166. Sept. 11, 1945. 47.8 P869

3916 MARTIN, R. À propos de moulées. Terre de Chez Nous 17(52, 1. e. 51): 4. Sept. 26, 1945.

7 T27

False advertising by feed dealers.

3917 MISSOURI. DEPT. OF AGRICULTURE. Missouri feeds, 1945. Mo. Dept. Agr. B., v. 43, No. 7, 256 p. Jefferson City, 1945. 2 M69B

Statistics.

3918 MONOGRAFÍAS comerciales: la alfalfa. Mex. Dir. de Econ. Rural. B. Mens., No. 220, p. 855-872.

Sept. 1944. 254.5 Ag83

Statistical survey of the industry.

3919 NELSON, P. Feed. Cur. Farm Econ. [Okla. Sta.] 18: 96. Oct. 1945. 100 Ok4

3920 PARKS, J. P. A strong defense of feed jobbers. Grain and Feed J. Consolidated 95: 286-287. Oct. 10, 1945. 298.8 G762

3921 PENNSYLVANIA. DEPT. OF AGRICULTURE. Feeding stuffs report, 1944. Pa. Dept. Agr. B., v. 28, No. 5, 56 p. Harrisburg, 1945. 2 P38B

3922 TENNANT, J. L. Reserve supply of feed, grain urged. R. I. State Col. Ext. Better Rural Life 6(10): 1-2. Oct. 1945. 275.29 R34B

3923 YOUNG, N. R. The feed situation. Coop. Poultryman 10(10): 7. Oct. 1945. 47.8 C782

#### FIBERS AND TEXTILES

3924 AMERICAN WOOL COUNCIL, INC. A capsule course on wool. Sheep and Goat Raiser 26(2): 18-21, 24-25, 38-39. Nov. 1945. 45.8 Sh3

3925 ANCONA PÉREZ, A. Historia del sisal mexicano. Sisal de Yucatán 6(66): 12-14; (67): 12-13, 15; (68): 12-13. June-Aug. 1945. 73.8 S183

3926 ANTHONY, D. Use of single roving in worsted spinning. Canad. Textile J. 62(23): 42-43. Nov. 16, 1945. 304.8 C16

3927 ASESORÍA TÉCNICA INDUSTRIAL. La nueva fibra sintética "Ardil." Unión Indus. Argentina. Rev. 58(921): 83. Sept. 1945. 280.9 Un37

3928 AVALOS, A. Debemos redoblar nuestros esfuerzos para superar el nivel de perfeccionamiento de la producción lanera. Argentina. Min. de Agr. Noticias 10: 57-58. Aug. 20, 1945. 9 Ar311N

3929 BARRERA VILAR, J. Nuestro henequén ante la post-guerra. Sisal de Yucatán 6(68): 22. Aug. 1945. 73.8 S183

3930 BATTYE, A. E., and MARSH, J. T. Cellulose textile chemistry. Soc. Chem. Indus. Rpts. Prog. Appl. Chem. (1943) 28: 102-117. 382 M31R

Fiber research.

3931 BELLWOOD, L. Cotton in the wool industry. Textile Weekly 36: 844, 846, 848. (To be cont.) Nov. 2, 1945. 304.8 T3127

Use of cotton in the wool industry.

3932 BENEDICTOV, I. Cotton growing in the USSR. Agr. Com. Amer.-Soviet Friendship. Release 47, p. 1-2. Nov. 15, 1945. 20 Ag89

Similar title in Canad. Textile J. 62(23): 23-24. Nov. 16, 1945. 304.8 C16

3933 BENNETT, H. G. Between the cotton rows. Okla. Cotton Grower 24(6): 1, 2. Oct. 15, 1945. 72.8 Ok4

3934 BLACKSHAW, S. "Integral," new system for yarn numbering. Textile Weekly 36: 684, 686, 688. Oct. 12, 1945. 304.8 T3127

3935 BOWDEN, C. M. Fine aralac fibers aid blending with cotton. Textile World 95(10): 137, 197-198, 200. Oct. 1945. 304.8 T315

3936 BRIGGS, F. A. They are low in cotton. Farm and Ranch 64(11): 8. Nov. 1945. 6 T31

Cotton production in Texas.

3937 BROATCH, J. O progresso da indústria do algodão na Grã-Bretanha. Ouro Branco 11(1): 9. May 1945. 72.8 Ou7

3938 BUI-XUÂN-NHUÂN, and LAVOLLAY, J. Le dé-gommage de la ramie. France. Min. des Colon. Sect. Tech. d'Agr. Trop. Trav. Sér. Technol. B. 3, 54 p. Paris, 1945. 26 F842

3939 CALLAGHAN, F. R. The linen flax industry in New Zealand. Roy. Soc. New Zeal. Trans. and Proc. 75(1): XLVI. June 1945. 514 W46

3940 CAMERON, F. K. The growing and pulping of whole cotton. Chemurg. Digest 4: 305, 307-313. Oct. 15, 1945. 381 N213Na

3941 CAMPBELL, J. D. Cotton. Cur. Farm Econ. [Okla. Sta.] 18: 95-96. Oct. 1945. 100 Ok4

- 3942 CAMPBELL, J. D. The relation of staple-length to grades of cotton in western Oklahoma. *Cur. Farm Econ. [Okla. Sta.]* 18: 111-117. Oct. 1945. 100 Ok4
- 3943 THE CHEMISTRY and technology of wool: (1) Some relationships between the constitution, properties and uses of wool, by J. B. Speakman; (2) The X-ray interpretation of wool, by W. T. Astbury. *Roy. Soc. Arts. J.* 93: 603-622. Oct. 26, 1945. 501 L847J
- 3944 COTTON ENGINEERING AND INSPECTION SERVICE. Classification of cotton compresses, warehouses and wharves, 1945/46, 53 p. N. Y., 1945. 225 C82
- 3945 CUNNINGHAM, W. A. The marketing of wool [Australia]. *Rural Bank N. S. Wales. Farm Front* 3: 132-137, processed. Sept. 1945. 281.9 R883
- 3946 DAVIS, W. B. Davis urges free market and competitive prices. *Cotton Digest* 18(5): 12. Oct. 27, 1945. 286.82 C822
- 3947 DESOUZA, J. P. The molecular structure and properties of textile fibres; protein fibres. *Indian Textile J.* 55: 806-807. Aug. 1945. 304.8 In2
- 3948 ELLITHORP, R. W. 29 county agents back one-variety crop in Oklahoma. *Okla. Cotton Grower* 24(6): 1, 2. Oct. 15, 1945. 72.8 Ok4
- 3949 FOSTER, G. A. R. The investigation of periodicities in the products of cotton spinning. *Textile Inst. J.* 36: T229-T242. Sept. 1945. 73.9 T31
- 3950 GRIMES, M. A. The effect of foreign matter on the grade, staple and price of cotton. *Rayon Textile Monthly* 26: 527-529. Oct. 1945. 304.8 R21
- 3951 GWALTNEY, E. C. Handling fiber blends on cotton system. *Textile World* 95: 240, 242. Nov. 1945. 304.8 T315
- 3952 HAGEN, J. F. German textile developments ... Utilizing unretted flax & hemp. *Textile B.* 69 (5): 15-16, 18. Nov. 1, 1945. 304.8 So82
- 3953 HARRILL, P. E. [Oklahoma Cotton Co-operative] Association is offering a sound plan for the marketing members' cotton. *Okla. Cotton Grower* 24 (6): 1, 2. Oct. 15, 1945. 72.8 Ok4
- 3954 HAWKINS, L. E. Cotton crop estimate dips 60,000 bales; recent forecast for Oklahoma is set at 390,000. *Okla. Cotton Grower* 24(6): 1, 2. Oct. 15, 1945. 72.8 Ok4
- 3955 HOPKINSON, F. H. Textile research during the war years. *Textile J. Austral.* 20: 308. Sept. 20, 1945. 304.8 T3134  
Great Britain.
- 3956 HOUSTON, S. N. The importance of Australian wool; splendid war record; its place in the peace. *Textile J. Austral.* 20: 324-326. Sept. 20, 1945. 304.8 T3134
- 3957 IMPORTÂNCIA do cultivo de ramê. *Observador Econ. e Financ.* 10(116): 129. Sept. 1945. 280.8 Ob72
- 3958 L'INDUSTRIE française du textile. II. Le démarrage. *Petit Casablancais* 30(1236): 1, 2. Nov. 3, 1945. 280.8 P44
- 3959 IRIGOYEN, H. M. Fibras en el Hemisferio Occidental. *Sisal de Yucatán* 6(66): 8-9, 26. June 1945. 73.8 S183
- 3960 JOHNSTON, O. Defensive battle is not enough, says Johnston. Avers answer to cotton's rivals is most aggressive offensive ever launched. *Cotton Digest* 18(5): 7. Oct. 27, 1945. 286.82 C822
- 3961 JOSHI, B. B. India's cotton industry and its future. *Textile Weekly* 36: 750, 752. Oct. 19, 1945. 304.8 T3127
- 3962 JUL R., G. Importancia para Chile de las fibras duras. *Simiente* 15(1): 9-10. Jan./Mar. 1945. 9.3 S14
- 3963 KIENLE, R. H., ROYER, G. L., and MCCLARY, R. Effect of variations in wool on wool dyeing. *Rayon Textile Monthly* 26: 541-542. (Concl.) Oct. 1945. 304.8 R21
- 3964 KUGLER, W. F., and REMUSSI, C. Informe preliminar sobre la industrialización de la paja de lino en la República Argentina. "Granos" Semilla Selecta 8(1/3): 3-28. Jan./Mar. 1944. 9 G762  
Survey of the flax industry.
- 3965 LARA NIETO, J. DE. Algodón nacional. *Textil, No. 3*, p. 27-32. Mar. 1944. 304.8 T3137  
Production, requirements, and possibilities in Spain.
- 3966 LECOMTE, G. C., COE, M. R., and GOLD, B. L. The analysis of grease wool for clean content. *Amer. Dyestuff Rptr.* 34: 383-384. Sept. 24, 1945. 306.8 Am3
- 3967 LINK, P. Perspectivas de la lana. *Soc. Rural Argentina. An.* 79: 557-559. July 1945. 9 Sol
- 3968 LUNDGREN, H. P. Synthetic protein fibers from protein-detergent complexes. *Textile Res. J.* 15: 335-353. Oct. 1945. 304.8 T293
- 3969 LUSTIG, B., and KONDRITZER, A. A. The effect of concentrated acid on hair and wool. *Arch. Biochem.* 8: 51-56. Oct. 1945. 381 Ar2
- 3970 MARKLAND, L. K. Ramie; fiber of yesterday and tomorrow. *New Orleans Port Rec.* 4(3): 18-20, 26-27. Nov. 1945. 286.8 M472
- 3971 MEHTA, L. R. Post-war planning; a neglected aspect of the Indian textile industry. *Indian Textile J.* 55: 790-791. Aug. 1945. 304.8 In2
- 3972 MESONES P., A. A., MEDINA, J. P., and MUÑOZ C., J. DEL C. La Central Desfibradora de Lino de Barranca. *Agronomía [Lima]* 10(42): 41-47. July/Aug 1945. 9.8 Ag83  
Processing and grades and prices of the fiber.
- 3973 MONSAROFF, B. Defects in industrial cotton fabrics. (Excerpts.) *Canad. Textile J.* 62(23): 45-46, 48. Nov. 16, 1945. 304.8 C16  
Includes problems of raw cotton quality.
- 3974 MORROW, J. New developments in wool's unique virtues. *Natl. Wool Grower* 35(10): 11, 19. Oct. 1945. 45.8 N21N
- 3975 MOSBY, A. Cotton comment. *Bedding* 49 (4): 84. Nov. 1945. 309.8 B39
- 3976 MULANY, H. M. A note on artificial silk. *Indian Textile J.* 55: 816-818. Aug. 1945. 304.8 In2  
Outlines processes and gives trade statistics.
- 3977 NELSON, E. G., and DEXTER, S. T. Fiber from the stems of common and swamp milkweeds. *Mich. Agr. Expt. Sta. Q. B.* 28(1): 20-26. Aug. 1945. 100 M58S
- 3978 OPITZ, H. Die faserwirtschaft Rumäniens. *Faserforschung* 16: 128-129. 1944. 73.8 F26
- 3979 A QUEBRA na produção algodoeira paulista. *Ouro Branco* 11(2): 11-16. June 1945. 72.8 Ou7  
The situation in various localities.
- 3980 RAZEE, A. H. Wool scouring aided by sodium tetraphosphate. *Textile World* 95(10): 120-121, 123, 215-216, 220, 224. Oct. 1945. 304.8 T315
- 3981 REIN SEGURA, C. Fibras textiles naturales españolas. *Textil, No. 3*, p. 9-16. Mar. 1944. 304.8 T3137
- 3982 SANSONE, R. Textile outlook in Italy. *Textile Mercury and Argus* 113: 528. Nov. 9, 1945. 304.8 T318  
Includes raw cotton supplies.
- 3983 SAUDINOS, L. L'industrie familiale du lin et du chanvre. *Fed. Pyren. d'Econ. Montagn. Ann.* (1940/41) 9: 100-116. 1942. 280.9 F312  
France.
- 3984 A SITUAÇÃO algodoeira. *Ouro Branco* 11(2): 17-20. June 1945. 72.8 Ou7  
Brazil.
- 3985 SLATER, W. H. The Lancashire cotton industry, problems, prospects and policies. *Textile Weekly* 36: 880, 882, 884, 886. (To be cont.) Nov. 9, 1945. 304.8 T3127
- 3986 SLOAN, G. A. The reach of a cotton fiber. *South Agr.* 75(12): 10, 42-43. Dec. 1945. 6 So83  
Importance of cotton.



3987 SMITH, H. D. Textile fibers; an engineering approach to their properties and utilization. *Rayon Textile Monthly* 26: 516-518. (Concl.) Oct. 1945. 304.8 R21

3988 SOL PAGAN, A. La economía textil española. *Textil*, No. 3, p. 33-40. Mar. 1944. 304.8 T3137

3989 SOUZA, W. W. C. DE. Presente algodoeiro. *Observador Econ. e Financ.* 10(114): 65-68. July 1945. 280.8 Ob72  
Brazil.

3990 SPEAKMAN, J. B. Wool v. rayon. *Textile J. Austral.* 20: 326-327. Sept. 20, 1945. 304.8 T3134

3991 SPECIFICATIONS of wool clips indispensable to brokers when lotting. By "Jason." *Past. Rev.* 55: 678-679. Sept. 15, 1945. 23 Au75

3992 THOMPSON, T. E. The wool industry; some likely trends in post-war development. *Textile J. Austral.* 20: 337-338. Sept. 20, 1945. 304.8 T3134

3993 TIKKU, K. N. Improvement of woollen industry in Jaipur State; felt manufacture. *Indian Textile J.* 55: 819-820. Aug. 1945. 304.8 In2

3994 TIPPETT, L. H. C. Work of the Spinning Department of Shirley Institute. *Textile Weekly* 36: 892, 894, 896. Nov. 9, 1945. 304.8 T3127

3995 TOBLER, F. Wieder einmal die Frage des Juteersatzes. *Faserforschung* 16: 129-131. 1944. 73.8 F26

3996 ULBRICHT, E. Einige untersuchungen zur röstdauer bei verschiedenen flachssorten. *Faserforschung* 16: 97-108. 1944. Ref. 73.8 F26

3997 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. TEXTILES UNIT. Extent of destruction to German textile industry. *Foreign Com. Weekly* 21(6): 44. Nov. 3, 1945. 157.54 F763

3998 VARIATIONS in Merino flocks. *Past. Rev.* 55: 676-678. (Cont.) Sept. 15, 1945. 23 Au75  
Variations in wool.

3999 WAMBSCANS, M. E. Australia grows, spins, weaves, cotton. *Foreign Com. Weekly* 21(4): 10, 15. Oct. 20, 1945. 157.54 F763

4000 WARREN, C. A. América y el nuevo mundo lanero y textil; brevariario de la lana y sus manufacturas. *Unión Indus. Argentina. Rev.* 58(920): 61-62. Aug. 1945. 280.9 Un37

4001 WHEWELL, C. S. The protein fibres. *Soc. Chem. Indus. Rpts. Prog. Appl. Chem.* (1943) 28: 88-101. 382 M31R

Includes wool and nylon.

4002 WILLIAMS, D. R. H. Wool industry must be re-established. *Saskatchewan Farmer* 36(21): 7. Nov. 15, 1945. 7 Sa74

British wool industry.

#### FRUITS, VEGETABLES, AND NUTS

4003 ARMSTRONG, G. C. Production and utilization of peaches in the United States and Australia. *Rural Bank N. S. Wales. Farm Front* 3: 137-141, processed. Sept. 1945. 281.9 R883

4004 BAILEY, J. S. U. S. tree fruit growers advised re post war plans. *Country Life* [Vernon] 29(10): 8. Nov. 1945. 7 C832

4005 BAJWA, R. S. Annual report of the Punjab P. C. Fruit Development Board, Ltd. for the year ending 31st December 1944. *Punjab Fruit J.* 9: 144-151. July 1945. 80 P962

4006 BAUDIN, J. L'actualité viticole. *Prog. Agr. et Vitic.* 114: 74-79. Aug. 11/18, 1940. 14 P94

4007 BERNON, G. Remarques sur les vignobles de Savoie. *Prog. Agr. et Vitic.* 114: 419-423. Dec. 22/29, 1940. 14 P94

4008 BOIXO, BARON DE. Le programme viticole d'après-guerre. *Prog. Agr. et Vitic.* 115: 81-86. Feb. 2, 1941. 14 P94

4009 BORDAS, J. Le rôle de certains produits de la vigne dans l'économie actuelle de la France. *Prog. Agr. et Vitic.* 114: 99-101. Aug. 25, 1940. 14 P94

Similar title in *Prog. Agr. et Vitic.* 114: 128-130, Sept. 8, 1940. 14 P94

4010 BRICHET, J. Au pays de l'amandier, des amandes et du ... maraudage. *Fruits et Primeurs de l'Afrique du Nord, Éd. Maroc.* 15: 176-178. Sept. 1945. 80 F9482

4011 CAMPBELL, J. C. Future of potato production. Hints to Potato Growers 26(5): 4. Sept. 1945. 75.9 H59

4012 CAMPBELL, J. C. Seed potato situation. Hints to Potato Growers 26(5): 3-4. Sept. 1945. 75.9 H59

4013 CARL, L. M. Iowa truck and fruit crops valued at nearly ten million dollars. *Iowa State Hort. Soc. Trans.* (1944) 79: 149-150. 81 Io9

4014 CLARIDGE, J. H. Potato growing in New Zealand. *New Zeal. J. Agr.* 71: 135-139, 141-142. Aug. 15, 1945. 23 N48J

Survey of the industry in various regions.

4015 CLARK, R. M. The National Apple Institute's activities in 1944. *Iowa State Hort. Soc. Trans.* (1944) 79: 75-78. 81 Io9

4016 CORNU, C. Économisons les pommes de terre. *Prog. Agr. et Vitic.* 115: 134-138. Feb. 23, 1941. 14 P94

4017 CRAVENS, C. C. Riverside's citrus industry. *Pacific Rural Press, South. Ed.* 150: 291. Nov. 10, 1945. 6 Pl12A

4018 CROSBY, J. Outlook for walnuts good. *Calif. Cult.* 92: 593, 604. Nov. 10, 1945. 6 Cl2

4019 D., J. Situation vinicole en Oranie. *Prog. Agr. et Vitic.* 115: 239-240. Mar. 30, 1941. 14 P94

4020 DEGRULLY, P. Le ban des vendanges. *Prog. Agr. et Vitic.* 114: 93-94. Aug. 25, 1940. 14 P94

4021 ELIAS, A. M., and RUEDA, F. Importación de vegetales: su auge, desarrollo y buen futuro. *Mex. Sec. de Relaciones Exteriores. Rev. del Com. Exterior* 10(9): 6-7. Sept. 1945. 286.8 M575

Prospects for Mexican vegetables in the United States.

4022 FAURE, J. F. La campagne fruitière 1941 et ses enseignements. *Prog. Agr. et Vitic.* 116: 303-309. Dec. 21-28, 1941. 14 P94

4023 FOOTE, J. Arizona vegetables. *West. Grower and Shipper* 16(12): 17. Nov. 1945. 280.38 W52

Prospects for fall vegetables.

4024 L., J. Nécessité et possibilités de la création en Afrique du Nord d'une industrie des sous-produits d'agrumes. *Fruits et Primeurs de l'Afrique du Nord, Éd. Maroc.* 15: 178-181. Sept. 1945. 80 F9482

4025 LINDSAY, M. A. The Kern County Irish potato industry, 1920-1945. *Kern Co. Potato Growers' Assoc. Ann. Mtg.* (1945) 1: 86-87, 89, 91. 286.3759 K45A

4026 MCCOWN, M. Preparing for post-war competition. *Ill. State Hort. Soc. Trans.* (1944) 78: 113-118. 1945. 81 Il6

With particular reference to fruit culture.

4027 MANESS, H. Gifts of the Americas: the pumpkin. *Agr. in the Americas* 5(11): 219. Nov. 1945. 1 F752A

4028 MERCHANT, C. H. Trends in the apple industry. *Maine. Agr. Col. Ext. Farm Econ. Facts*, No. 60, p. 1325, processed. Oct. 1945. 275.29 M281F

4029 MILNE, D. More nuts for Ontario; G. H. Corsan of Islington demonstrates what can be accomplished. *Canad. Countryman* 34(24): 3, 29. Nov. 24, 1945. 7 C833

4030 MOTT, P. B. N. J. certified seed crop prospects. Hints to Potato Growers 26(6): 1. Oct. 1945. 75.9 H59  
Potatoes.

- 4031 MOUNTS, M. U. Vegetable farmers' problems; post-war situations require alert planning. (Excerpts.) Fla. Grower 53(11): 28. Nov. 1945. 80 F6622
- 4032 NEGRE, E. Tire-t-on bien parti des sous-produits de la vigne et du vin? Prog. Agr. et Vitic. 114: 80-83. Aug. 11/18, 1940. 14 P94
- 4033 ROY, J. B. L'horticulture dans Nicolet. Terre de Chez Nous 18(6): 18, 21. Nov. 7, 1945. 7 T27
- The market gardening industry.
- 4034 ROY, J. B. Les légumes et leur importance. B. des Agr. 41(11): 19-24. Nov. 1945. 7 B872
- Types of farms and markets.
- 4035 SAVAGE, Z. Value of Florida citrus fruit groves. Citrus 8(2): 11. Oct. 1945. 80 C498
- 4036 SCHRUMPF, W. E. The potato situation. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 60, p. 1326-1327, processed. Oct. 1945. 275.29 M281F
- 4037 SERVIÈRE, H. Le statut viticole. Prog. Agr. et Vitic. 114: 87-87. Aug. 11/18, 1940. 14 P94
- 4038 SHAY, F. M. Post-war outlook for dried fruit is encouraging; emphasis needed on aggressive merchandising. Sunsweet Standard 39(6): 2-4. Nov. 1945. 286.83 Su7
- 4039 SIMMONS, C. Winter oranges--1950 style. Pacific Rural Press, South. Ed. 150: 324. Nov. 10, 1945. 6 P112A
- Situation and outlook.
- 4040 TROUT, S. A. The harvesting, packing and marketing of tomatoes. Queensland Agr. J. 61: 176-180. Sept. 1, 1945. 23 Q33
- 4041 VON LOESECKE, H. W. A review of information on mycological citric acid production. Chem. and Engin. News 23: 1952-1959. Nov. 10, 1945. Ref., p. 1958-1959. 381 J825N
- Analysis and Composition
- 4042 MILLER, O. Sur l'acidité totale, l'acidité réelle et le potentiel d'oxydo-réduction du jus de raisin concentré. Prog. Agr. et Vitic. 114: 239-242. Oct. 20, 1940. 14 P94
- Consumption and Utilization
- 4043 C., V. Les possibilités d'obtenir l'alcool carburant à partir des plantes métropolitaines. Prog. Agr. et Vitic. 116: 272-273. Nov. 23/30, 1941. 14 P94
- Advocates use of Jerusalem artichokes as source for alcohol.
- 4044 CHAPMAN, P. W. Florida's rural industries. Prog. Farmer. Ga.-Ala.-Fla. Ed. 60(11): 20, 72. Nov. 1945. 6 P945G
- Utilization of citrus fruit and guavas.
- 4045 CHILDS, W. H. Sorbitol... What is it? How made? What's its use? Mfg. Confectioner 25(10): 26, 28. Oct. 1945. 389.8 M31
- 4046 CRAWFORD, D. M. Coconuts in Tropical America; shredded for cakes and candy, dried to make copra for coconut oil, and broken open for the cool milk inside, coconuts are the basis of an expanding industry in the Americas. Agr. in the Americas 5 (11): 203-206, 215-216. Nov. 1945. 1 F752A
- 4047 DEGRULLY, R. Pour le ravitaillement. Prog. Agr. et Vitic. 115: 422-423. June 15, 1941. 14 P94
- Law requiring people having nut trees on their property to utilize the nuts, with certain exceptions.
- 4048 LARUE, P. L'industrie des marcs en Italie; alcool - huile - tourteau ou cellulose. Prog. Agr. et Vitic. 116: 230-231. Nov. 9, 1941. 14 P94
- 4049 LARUE, P. Valorisation des sarments en autarcie; utilisation des sarments. Prog. Agr. et Vitic. 114: 250-252. Oct. 20, 1940. 14 P94
- 4050 LAYRARGUES, M.P. L'utilisation du marron d'Inde. Prog. Agr. et Vitic. 114: 189-190. Sept. 29, 1940. 14 P94
- 4051 MCINTOSH, M. B., and FOX, F. C. City gardens in wartime. Monthly Labor Rev. 61: 644-650. Oct. 1945. 158.6 B87M
- Chiefly on the consumption of home-grown fruits and vegetables.
- 4052 METZNER, E. K. Grape pomace; a source of alcohol and tartrates. Chem. & Metall. Engin. 52 (10): 102-103. Oct. 1945. 381 E12
- 4053 MONTEIL, L. Quelques précisions sur l'utilisation des marrons d'Inde. Prog. Agr. et Vitic. 115: 361. May 18, 1941. 14 P94
- 4054 N. L'utilisation des pépins de raisins. Prog. Agr. et Vitic. 115: 59-60. Jan. 19, 1941. 14 P94
- 4055 SECRETAIN, C. Utilisation industrielle du marron. Prog. Agr. et Vitic. 114: 405-409. Dec. 15, 1940. 14 P94
- Distribution, Marketing, and Transportation
- 4056 CALIFORNIA FRUIT GROWERS EXCHANGE. ADVERTISING DEPT. The outlook for winter oranges. Calif. Citrog. 31(1): 2-3, 20-21. Nov. 1945. 80 C125
- Marketing Research Dept. cooperating.
- Marketing outlook.
- 4057 CAMPBELL, C. The citrus juice industry has a selling job. Canner 101(19): 24-25. Oct. 27, 1945. 286.83 C16
- 4058 CAVALLARO, C. D. Equity deduction guarantees to grower a packing and marketing outlet for his fruit, provides co-op with the California Prune and Apricot Growers Association, working capital. Sunsweet Standard 39(5): 9, 16. Oct. 1945. 286.83 Su7
- 4059 CORPORACIÓN FRUTÍCOLA ARGENTINA. La intervención al Mercado Nacional de Frutas. Corp. Frutícola Argentina. Rev. Ofic. 10(119): 5-14, 16-18, 20-24, 26-32, 34-37. Nov. 30, 1944. 83 C81
- Survey of fruit marketing.
- 4060 EXPERIMENTAL shipments of peaches in 1944. Ill. State Hort. Soc. Trans. (1944) 78: 360. 1945. 81 IL6
- Includes discussion of containers.
- 4061 FRASER, R. P. Fruit marketing policy reviewed; Marketing Council's annual report. Orchardist New Zeal. 18(9): 13-15. Sept. 5, 1945. 80 Orl9
- New Zealand Fruit Marketing Council.
- 4062 HORTICULTURAL trade directory (British Empire). Nursery Trader 43(9): 14-15. Sept. 20, 1945. 80 Aw72
- 4063 KELLY, R. A. Results from marketing research with fruits. Ill. State Hort. Soc. Trans. (1944) 78: 260-263. 1945. 81 IL6
- Discussion, p. 263-272.
- 4064 KITCHIN-KERR, G. E. Citrus marketing organization; present system reflects production efficiency (Australia). Citrus News 21: 122-123. Aug. 31, 1945. 80 C494
- 4065 LEE, H. So you want to be a grocer! Article No. 14. Handle "live" merchandise with care. Canad. Grocer 59(21): 12, 54. Nov. 1, 1945. 286.83 C162
- Handling of fruit and vegetables in the store.
- 4066 MARKET growers' guide to salesmen in the markets. Fruit, Flower & Veg. Trades' J. 88(17, Sup.): i-iv. Oct. 27, 1945. 80 F946
- British firms.
- 4067 MAYADAS, P. Preparation and marketing of citrus fruit (picking, grading, packing & marketing). Punjab Fruit J. 9: 127-130. July 1945. 80 P962
- 4068 MULLEN, A. J. Fresh fruit and vegetable markets. Dom. Com. 33(10): 29-30. Oct. 1945. 157.54 D713
- 4069 SIXTH Fruit and Vegetable Marketing Conference, University of Illinois, July 25, 1944. Ill. Agr. Col. Ext. AE 2240, 8 p., processed. n. p., 1944. 275.29 IL62P



Grading, Inspection, Standardization, and Quality

- 4070 BAIER, W. E. How the citrus industry measures it. VII. Color. Calif. Citrog. 31(1): 6, 11. Nov. 1945. 80 C125
- 4071 COWLEY, H. H., and CUTTING, A. B. Ontario peaches said to be green abortions. Canad. Hort. & Home Mag. Growers' Ed. 68: 184. Sept./Oct. 1945. 80 C16
- 4072 GREENLEAF, C. A. Standards in the field of citrus products. Canner 101(19): 40, 42. Oct. 27, 1945. 286.83 C16
- 4073 HASTINGS, R. C. Foundation [potato] stock standards. Iowa State Hort. Soc. Trans. (1944) 79: 310-312. 81 Io9
- 4074 HASTINGS, R. C. Pure seed stocks in North Dakota. Iowa State Hort. Soc. Trans. (1944) 79: 309-310. 81 Io9
- Virus-free potato seed.
- 4075 KENT, G. C. 1944 field and bin inspections of potatoes in Iowa. Iowa State Hort. Soc. Trans. (1944) 79: 318-319. 81 Io9
- 4076 OTIS, C. E., and JACKMAN, E. R. Oregon "Guinea Pigs"; the Far West's proposed new seed potato grades. Amer. Potato J. 22: 323-326. Oct. 1945. 75.9 P842
- 4077 TOLAAS, A. G. The indexing, tuber uniting, and increase of superior stocks of seed potatoes. Iowa State Hort. Soc. Trans. (1944) 79: 312-314. 81 Io9

Packing and Packaging

- 4078 CLARK, A. J. Vegetables in cellophane. Pa. Farmer 133: 291. Nov. 24, 1945. 6 P383
- 4079 OKARART, F. Pre-packaging; it's a post-war must in top markets. Calif. Fruit & Veg. Rev. 6(8): 24, 59. Nov. 1945. 80 C1224
- Second of two articles on developments in the fruit and vegetable industry.
- 4080 TURNER, A. G. Standard box pack for McIntosh in New Brunswick. Canad. Hort. & Home Mag. Growers' Ed. 68: 208. Nov./Dec. 1945. 80 C16

Prices, Price Control, and Rationing

- 4081 BRAZELTON, J. S. Potatoes will test price support. Kans. Farmer 82(20): 14. Oct. 20, 1945. 6 K13
- 4082 KLINE, W. B. Holding down inflation. Iowa State Hort. Soc. Trans. (1944) 79: 353-356. 81 Io9
- A discussion of aims and objects of the U. S. Office of Price Administration, including references to potato prices.
- 4083 LÓPEZ, M. Habla un productor del Delta; "la fruta no es cara comparada con otros productos." Corp. Frutícola Argentina. Rev. Ofic. 11(129): 8. Sept. 30, 1945. 83 C81
- 4084 THE 1945 potato crop; Scottish prices for ware and seed. Scot. Farmer 53: 1032. Oct. 6, 1945. 10 Sco8
- 4085 NORTON, L. J. Long-time price prospects. Ill. State Hort. Soc. Trans. (1944) 78: 86-92. 1945. 81 IL6
- Discussion, p. 93-98.
- With particular reference to fruit culture.
- 4086 PROPST, H. E. Potato price support. Hints to Potato Growers 26(5): 1-2. Sept. 1945. 75.9 H59

Processing and Storage

- 4087 AMSTEIN, W. G. Winter storage. Kans. State Col. Ext. Neighborhood Leader, Oct. 1945, p. 4. 275.29 K13N
- Vegetables.
- 4088 BANTA, E. S. Cherries—a big business. Amer. Fruit Grower 65(11): 12-13, 36. Nov. 1945. 80 G85
- Operation of the processing plant of the Cherry Growers, Inc., Traverse City, Mich.

- 4089 BLANC, A. Résultats d'essais de distillation du topinambour. Prog. Agr. et Vitic. 116: 203-208. Nov. 2, 1941. 14 P94
- 4090 BROWN, M. E. Farmers try truck crops; a canning industry may come to Platte Valley. Nebr. Farmer 87(20): 34-35. Oct. 20, 1945. 6 N27
- 4091 BUCHNER W., E. La industrialización [sic] de frutas cítricas. Unión Agr. del Sur 3(18/19): 20-22. July/Sept. 1945. 9.3 Un3
- 4092 CARLTON, R. T., and CLOUD, H. R. Dry orange juice newcomer in citrus market; dehydrated product first of series big research corporation [National Research Corporation], expects to develop in long program. (Excerpts.) Fla. Grower 53(11): 9, 17. Nov. 1945. 80 F6622
- 4093 CARRIÈRE and VIELÈS. Utilisation industrielle de la châtaigne; matières tannantes de la peau de châtaigne; saccharification de la farine de châtaigne. Prog. Agr. et Vitic. 115: 216-219. Mar. 23/30, 1941. 14 P94
- 4094 CHASSANT, M. Gelée de raisin. Prog. Agr. et Vitic. 113: 473-479. June 16, 1940. 14 P94
- 4095 CORNU, C. Nouveau traitement des pommes de terre pour semence et pour consommation. Prog. Agr. et Vitic. 115: 20-21. Jan. 5, 1941. 14 P94
- 4096 CORNU, C. À propos de la dessiccation des légumes frais. Prog. Agr. et Vitic. 114: 305-308. Nov. 10, 1940. 14 P94
- 4097 DEHYDRATION & the future of vegetable production; growers urged to act. By "Rural Knowledge." Land [Sydney], No. 1766, p. 32. Sept. 28, 1945. 23 L22
- 4098 ELWOOD, R. B. Modern Egypt initiates vegetable dehydration. Foreign Com. Weekly 21(6): 6, 41. Nov. 3, 1945. 157.54 F763
- Prepared for publication by H. Scott.
- 4099 F., A. G. Points to remember when storing potatoes. Pop. Gard. 47: 252. Oct. 6, 1945. 80 G1622
- 4100 FLANZY, M. Comment préparer et conserver les jus de raisins destinés à la concentration. Prog. Agr. et Vitic. 114: 111-118. Sept. 1, 1940. 14 P94
- 4101 HEBBARD, J. Au sujet de la conservation des pommes de terre. Prog. Agr. et Vitic. 114: 284-285. Nov. 3, 1940. 14 P94
- 4102 HEPLER, J. R. Storing the vegetables. Merrimack's Monthly Messenger 7(10): 4, 16. Oct. 1945. 6 M55
- 4103 HOARD, B. World's biggest apple storage plant diversified. Better Fruit 40(5): 10. Nov. 1945. 80 B46
- Operation of the storage plant of the Cascadian Fruit Shippers, Wenatchee, Ore.
- 4104 HOHL, L. A. Untreated natural pineapple freezes best. Quick Frozen Foods 8(4, i.e. 3): 93, 95. Oct. 1945. 389.8 Q4
- 4105 JONES, F. W. Freezing 6,000,000 pounds of California applesauce at the Bridgford Company plant at Santa Rosa, Calif.,. Frosted Food Field, Oct. 1945, p. 2. 389.8 F922
- 4106 LUCE, W. A. Inefficient use of facilities studied. Better Fruit 40(5): 9. Nov. 1945. 80 B46
- Care and handling of fruit.
- 4107 MANGAT, S. S. Preserved products & by-products from citrus fruits. Punjab Fruit J. 9: 131-132. July 1945. 80 P62
- 4108 MANSE, P. La déshydratation des légumes et des fruits. (Nouveau procédé.) Monit. de l'Aliment. 39(372): 6-7. July 1945. 389.8 M74
- 4109 METZGER, C. H. The Edgar conduction system for storing potatoes. Iowa State Hort. Soc. Trans. (1944) 79: 348-349. 81 Io9
- Discussion, p. 350-351.
- 4110 MITCHELL, C. Preservation of fruit & vegetables on the farm & in the home; unusual vegetables, the egg-plant and peppers or capsicums. Agr. Gaz. N. S. Wales 56: 389-390. Sept. 1, 1945. 23 N472

- 4111 NATIONAL ASSOCIATION OF FROZEN FOOD PACKERS. Directory of packers of frozen fruits, berries and vegetables, 1944, 18 p. Washington, 1945. 225 N2195
- 4112 NÈGRE, E. Conservation des sucres de raisins. Prog. Agr. et Vitic. 114: 120-122. Sept. 1, 1940. 14 P94
- 4113 PEDERSON, C. S. The fermentation of pickles; salt is important factor in controlling type of fermentation - covering essential to control undesirable scum formation. Farm Res. 11(4): 6, 12. Oct. 1, 1945. 100 N48A
- 4114 PEDERSON, C. S. Remember this, when making grape juice. Agr. Leaders' Digest 26(8): 53. Oct. 1945. 275.28 Am3
- 4115 PENTLAND, M. Fresh fruits and vegetables. What's New in Home Econ. 10(3): 44-45, 142. Nov. 1945. 321.8 W55  
Refrigeration methods.
- 4116 PFEIFFER, E. E. The home storage of garden products. Organic Gard. 8(1): 14-17. Dec. 1945. 56.8 Or3
- 4117 RENAUD, P. Préparation des olives de conserve (olives vertes). Prog. Agr. et Vitic. 114: 210-212. Oct.-6, 1940. 14 P94
- 4118 SHARP, A. Notes on storage of potatoes at Manjimup. West. Austral. Dept. Agr. J. (ser. 2) 32: 97-100. June 1945. 23 W52J
- 4119 SPOONER, H. L. Pre-sugared frozen fruits for canning. Frosted Food Field, Oct. 1945, p. 17. 389.8 F922
- 4120 STAMPA, G. Conservation of fruits and vegetables by rapid freezing. Internatl. Inst. Agr. Internatl. Rev. Agr. 35: 153T-163T. Sept./Oct. 1944. Ref. 280.29 In83
- 4121 STE-MARIE, C. E. La mise en cave des légumes. Terre de Chez Nous 18(3): 10. Oct. 17, 1945. 7 T27
- 4122 SINGH, S. H., and MUSAHIB-UD-DIN. Preparation of jaman [Eugenia jambolana] jelly. Punjab Fruit J. 9: 136-137. July 1945. 80 P962
- 4123 TAINTOR, E. J. The blow-up-through system for storing potatoes in the Red River Valley. Iowa State Hort. Soc. Trans. (1944) 79: 346-347. 81 Io9  
Discussion, p. 347-348.
- 4124 TAINTOR, E. J. Dehydrating and washing potatoes in the Red River Valley. Iowa State Hort. Soc. Trans. (1944) 79: 337-339. 81 Io9  
Discussion, p. 339-340.
- 4125 TROSHINA, N. Khranenie, sushka i pererabotka ovosheh i kartofeliä [Storage, drying and preservation of vegetables and potatoes]. Sotsialist. Sel'sk. Khoz. 12(9): 55-60. Sept. 1941. 281.8 Sc73
- 4126 VIRES. Préparation des sirops et conserves de raisins. Prog. Agr. et Vitic. 114: 425-429. Dec. 22/29, 1940. 14 P94
- 4127 WALKOF, C. Store vegetables and be healthy. Furrow, Minn.-D [Ed.] 50: 3, 11. July/Aug. 1945. 6 F98M1
- 4128 WRIGHT, R. C., and others. The effect of previous storage temperatures on the quality of dehydrated potatoes. Amer. Potato J. 22: 311-323. Oct. 1945. 75.8 P842  
J. S. Caldwell, T. M. Whiteman, and C. W. Culpepper, joint authors.
- Statistics
- 4129 ALARCÓN M., A., and ACOSTA V., L. DE. Monografías comerciales: berenjena. Mex. Dir. de Econ. Rural. B. Mens., No. 225, p. 42-52. Feb. 1945. 254.5 Ag83  
Statistical.
- 4130 B., J. Blocage et distillation de la récolte 1940? Prog. Agr. et Vitic. 114: 334-336. Nov. 24, 1940. 14 P94  
Statistics.
- 4131 MONOGRAFÍAS comerciales: durazno. Mex. Dir. de Econ. Rural. B. Mens., No. 224, p. 1221-1242. Jan. 1945. 254.5 Ag83  
Statistical.
- 4132 MONOGRAFÍAS comerciales: el aguacate. Mex. Dir. de Econ. Rural. B. Mens., No. 221, p. 937-959. Oct. 1944. 254.5 Ag83  
A statistical survey of the industry.
- 4133 MONOGRAFÍAS comerciales: manzana y perón. Mex. Dir. de Econ. Rural. B. Mens., No. 223, p. 1094-1128. Dec. 1944. 254.5 Ag83  
Statistical.
- 4134 MONTGOMERY, J. P., and FENSKE, L. J. Orange production in Louisiana. La. State U. La. Rural Econ. 7(4): 4-5. Nov. 1945. 281.9 L93  
Statistical.
- 4135 RENSEIGNEMENTS statistiques sur la culture fruitière en 1942 et son évolution depuis 1929. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 3: 166-209. June 1944. 260 Se6
- GRAIN AND GRAIN PRODUCTS
- 4136 ANDERSON, J. A., and AIKEN, T. R. The quality of western Canadian wheat, 1945 crop. Canada. Grain Res. Lab. Crop B. 17, 24 p., processed. Ottawa, 1945. 298.9 C162
- 4137 ARGENTINA. SECRETARÍA DE INDUSTRIA Y COMERCIO. La crisis del transporte. Bolsa de Cereales, Buenos Aires. Rev. 32(1718): 2, 4, 6. Sept. 22, 1945. 287 B866  
Grain.
- 4138 ARGENTINA. SECRETARÍA DE INDUSTRIA Y COMERCIO. Podrán exportarse pequeñas cantidades de maíz. Bolsa de Cereales, Buenos Aires. Rev. 32(1720): 8. Oct. 6, 1945. 287 B866
- 4139 ARGENTINA. SECRETARÍA DE INDUSTRIA Y COMERCIO. Se entregarán cubiertas para el transporte de granos. Bolsa de Cereales, Buenos Aires. Rev. 32(1718): 30. Sept. 22, 1945. 287 B866
- 4140 ARJONA, H. Estudio estadístico sintético de la cosecha de maíz que se levantará a fines del presente año en el Estado de Yucatán. Fomento [monthly], No. 22, p. 19-20. Aug. 1945. 8 F734  
Statistics of area sown, average yields, and probable average production.
- 4141 ARMSTRONG, G. C. Wheat marketing legislation in Argentina. Rural Bank N. S. Wales. Farm Front 3: 141-142, processed. Sept. 1945. 281.9 R883
- 4142 ASH, G. Food inspection during war-time. Pub. Admin. 23: 70-76. Summer 1945. 280.8 P963  
Great Britain.
- 4143 AYKROYD, W. R., and SWAMINATHAN, M. Te neur en acide nicotinique des céréales et pellagre. Off. Internatl. d'Hyg. Pub. [Paris]. B. Mens. 33: 507. Sept./Oct. 1941. 449.75 Of2
- 4144 BERTRAND, G., and SILBERSTEIN, L. Le bore dans le grain de blé, la farine et le pain. Ann. Agron. [Paris] (n. s.) 14: 261-264. July/Sept. 1944. 14 An75A
- 4145 BULK storage of grain. Indian Farming 6: 133-135. Mar. 1945. 22 In283  
Cereal Storage, Advisory Note 2, Food Dept., India.
- 4146 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the macaroni and kindred products industry in Canada, 1944, 7 p., processed. Ottawa, 1945. 253 C3321  
Includes statistics of raw materials used.
- 4147 CLARKE, R. H. Glamourize your flour sales. Co-op. Merchandiser 10(10): 14, 16, 40. Oct. 1945. 286.28 C78
- 4148 COMERCIO de granos. By Ramaola. Buenos Aires y La Pampa, No. 81, p. 5-6. Aug. 1945. 9 B868
- 4149 D'ANDRÉ, E. La "panificación experimental," prueba final y concluyente de la calidad industrial de los trigos. "Granos" Semilla Selecta 8 (4/6): 20-28. Apr./June 1944. 9 G762



4150 FARMERS GRAIN DEALERS ASSOCIATION OF IOWA. Annual directory and year book containing a complete list of farmers companies of Iowa, 1945, 172 p. Fort Dodge, 1945. 225 Io92

4151 HADLEY, S. T. Wheat selections and evaluations. Canad. Baker 57(10): 28-29. Oct. 1945. 389.8 C166

Includes soft wheat flour analysis.

4152 INDIA. CENTRAL AGRICULTURAL MARKETING DEPT. Agricultural marketing in India; report on the marketing of barley in India. India. Agr. Mktg. Adv. Mktg. Ser. 51, 74 p. Delhi, 1945. 280.39 In2

4153 INDIA. CENTRAL AGRICULTURAL MARKETING DEPT. Agricultural marketing in India; report on the marketing of gram in India. India. Agr. Mktg. Adv. Mktg. Ser. 48, 104 p. Delhi, 1945. 280.39 In2  
Cicer arietinum.

4154 LARRICK, G. P. The why and how of flour inspections. Northwest. Miller (Milling Prod. Sect.) 224(7): 4a-5a. Nov. 13, 1945. 298.8 N81

4155 LARSON, A. L. Wheat. Cur. Farm Econ. [Okla. Sta.] 18: 95. Oct. 1945. 100 Ok4

4156 MARTIN, W. G., JR. Effective packaging for flour. Northwest. Miller 224(6): 34, 36. Nov. 6, 1945. 298.8 N81

4157 MILLAR, B. Millions of grain doors required to move Canada's grain to market. Canad. Grain J. 1(4): 7. Nov. 1945. 59.8 C16

4158 MONTGOMERY, G. Firm prices seen for new crop corn. Feedstuffs 17(45): 34. Nov. 10, 1945. 286.81 F322

4159 MORAN, T., and DRUMMOND, SIR J. Scientific basis of 80 per cent. extraction flour. (Digest.) Arkady Rev. 22: 55-60. Oct. 1945. 389.8 Ar4

Includes analysis of wheat grain and flour.

4160 MOUNTJOY, D. A. Wheat facts reviewed. West Austral. Wheatgrower 15(11): 3. July 5, 1945. 23 W523

Wheat programs.

4161 NÚÑEZ, A. Importancia del cultivo del maíz en nuestro medio. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 401. Oct. 18, 1945. 9.9 G15B  
Statistical.

4162 PERU. MINISTERIO DE AGRICULTURA. DIRECCIÓN GENERAL DE AGRICULTURA. Estadística de la producción de trigo en el Perú, 1943, 73 p. Lima, 1943. 255.8 Ag8Et

4163 RAIKES, A. F. G. Recent developments in flour packaging. Northwest. Miller (Milling Prod. Sect.) 224(7): 7a-8a. Nov. 13, 1945. 298.8 N81

4164 LE RENDEMENT à l'hectare de la culture du blé pendant la campagne 1941-1942. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 1: 209-220. Dec. 1, 1942. 260 Se6

Statistics.

4165 ROMERO MONTERO, R. Agricultura retrospectiva; las ofrendas a la diosa Ceres. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 1(9): 3-4. Dec. 1944. 15 Spl2

The history of various grains and their uses.

4166 SIERRA, H. M. La situación arrocerera. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 520-523. June/July 1945. 8 G934

4167 SNOW, D., and WRIGHT, N. C. The respiration rate and loss of dry matter from stored bran. J. Agr. Sci. [London] 35: 126-132. July 1945. 10 J822

4168 SOCIEDAD RURAL ARGENTINA. La Sociedad Rural Argentina ante la comercialización de granos por el Estado. Soc. Rural Argentina. An. 79: 411-423. June 1945. 9 Sol

4169 SOCIEDAD RURAL DE SANTA FE. La Sociedad Rural de Santa Fe pidió que se vuelva a la libre comercialización de granos. Soc. Rural Argentina. An. 79: 427-432. June 1945. 9 Sol

4170 SOUZA, A. H. DE, and ALLEMAND, A. A cevada e seus sub-produtos: malte - extrato de malte - diastase. Brazil. Min. da Agr. B. 33(3): 1-41. Mar. 1944. 9.2 Ag83

Botanical and chemical aspects.

4171 STETSSENKO, S. Opyt opredeleniia urozhaia zernovykh kul'tur. Sotsialist. Sel'sk. Khoz. 12(6): 80-81. June 1941. 281.8 So73

Grain crop estimates.

4172 SWANSON, C. O. Chemistry for millers; differences between old and new wheat. Northwest. Miller (Milling Prod. Sect.) 224(7): 16a, 18a-20a. Nov. 13, 1945. 298.8 N81

4173 TRIPLETT, J. F. New uses for grain to open market. Prod. Consumer 11(4): 7. Nov. 1945. 280.28 P942

4174 VIGIL, C. C. El maíz y la Argentina. Chacra 15(180): 8. Oct. 1945. 9 C34

4175 VOLCKRINGER, J. Sur la présence possible d'ergot de seigle dans les farines utilisées pour la fabrication du pain. Acad. de Med. [Paris]. B. (ser. 3) 125: 379-381. Dec. 16/23, 1941. 448.9 P21

4176 VOLLER, W. R. Purification of mill stocks Northwest. Miller (Milling Prod. Sect.) 224(7): 10a, 12a-13a, 15a. Nov. 13, 1945. 298.8 N81

Flour milling.

4177 W., E. B. Marketing of corn. N. F. U. Rec. 24: 38. Nov. 1945. 281.8 N21

Great Britain.

4178 WADDELL, N. H. Testing new winter wheat varieties. Canad. Baker 57(10): 25-26, 28. Oct. 1945. 389.8 C166

Testing for baking quality.

4179 WALLACE, B. A. Financial operations of Ohio farmer owned elevators during the fiscal year 1944-45. Ohio. State U. Dept. Rural Econ. Mimeog. B. 189, 22 p., processed. Columbus, 1945. 281.9 Oh32

4180 WALLACE, D. B. Canada's wheat feeds Europe. Canad. Business 18(11): 49, 120, 122. Nov. 1945. 287 C162

Exports.

#### HONEY AND BEESWAX

4181 DODGE, N. N. Honey selling problems. Beekeepers Item 29: 298-300. Sept. 1945. 424.8 B397

#### LIVESTOCK AND LIVESTOCK PRODUCTS

4182 ALBERTA livestock industry sees troubled times ahead. Farm and Ranch Rev. 41(10): 3. Oct. 1945. 7 F223

4183 ANASTASIA, P. Producción y consumo. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 323. Aug. 16, 1945. 9.9 G15B

Production problems in the cattle industry.

4184 ANASTASIA, P. Zona de mejoramiento. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 359. Sept., 13, 1945. 9.9 G15B

On the creation of regional zones for the development of sheep production in accordance with proper methods.

4185 ANDRIEU, E. C. Producción de carnes y lanas. Buenos Aires y La Pampa, No. 81, p. 20-22. Aug. 1945. 9 B868

4186 ARGENTINA. DIRECCIÓN DE LANAS. Los ovinos en la Argentina, breve reseña. Buenos Aires y La Pampa, No. 81, p. 34-40. Aug. 1945. 9 B868

Survey of the industry.

4187 BISSON, J. E. Nos receptions du Bas du Fleuve. Terre de Chez Nous 18(5): 23. Oct. 31, 1945. 7 T27

Quantity and quality of livestock production in Bas du Fleuve, Quebec.

4188 BISSON, J. E. Pour maintenir notre production animale. Terre de Chez Nous 18(2): 39. Oct. 10, 1945. 7 T27

Canada.

- 4189 BISSON, J. E. Le rationnement de la viande et la mévente des animaux. Terre de Chez Nous 18(1): 19. Oct. 3, 1934. 7 T27  
Canada.
- 4190 BOVE MACCIO, H. La intensificación de la producción y de la calidad de las carnes. Asoc. Rural del Uruguay. Rev. 72(7/8): 52-55, 57. July/Aug. 1945. 9.9 As5
- 4191 BRAYER, H. O. Texas cattle industry through the years. Pt. 1. Amer. Cattle Prod. 27 (6): 9-11, 28. (To be cont.) Nov. 1945. 49 P94
- 4192 CANADA PACKERS LIMITED. Report to shareholders. Farm and Ranch Rev. 41(10): 10-13. Oct. 1945. 7 F223  
Includes the wartime record of the packing industry and conditions necessary if Canada is to retain her position on the British market.
- 4193 CAVANDOLI, H. E. Inspección sanitaria de los productos de caza. Rev. de Med. Vet. [Buenos Aires] 27(1/2): 11-36. (Concl.) Jan./Feb. 1945. 41.8 B86  
Refrigeration and legislation.
- 4194 CAZIOT, P. Loi du 9 juin 1941 ayant pour objet le maintien du cheptel dans les exploitations agricoles. Prog. Agr. et Vitic. 116: 3-5. July 6, 1941. 14 P94  
Evaluation of livestock under lease.
- 4195 CONFEDERACION NACIONAL GANADERA. CONSEJO DIRECTIVO. Informe... por el período social 1944-1945. Mex. Dir. de Econ. Rural. B. Mens., No. 229, p. 475-480. June 1945. 254.5 Ag83
- 4196 CONNETT, H. International hide and skin problems. Leather Mfr. 56: 214-216. Nov. 1945. 303.8 L484
- 4197 DREW, E. L. World hide and skin supplies. Leather Mfr. 56: 216-219. Nov. 1945. 303.8 L484
- 4198 ETIGNY, J. D'. Nuestra ganadería y la importación de vacunos desde la República Argentina. Agr. del Norte 28(1): 15-17. Jan. 1944. 9.3 Sol4  
Chile.
- 4199 FARR, H. W. No substitution for meat; America has the soil and the man power and the resources to produce the meat we need. Shorthorn News 30(14): 44. Oct. 10, 1945. 43.8 Sh8
- 4200 GOODCHILD, C. H. We could do big business in pelts. Smallholder 74(1857): 18. Oct. 19, 1945. 10 Sml  
Rabbit industry.
- 4201 GRAMLICH, H. J. Looking around the corner. Breeder's Gaz. 110(11): 20-21. Dec. 1945. 49 B74  
Beef production.
- 4202 GRANGE, C. Fowls on smallholdings have a big future. Smallholder 74(1857): 12. Oct. 19, 1945. 10 Sml
- 4203 GUERRA, A. Importancia de la vaquería. Labor 4(95): 3. Oct. 15, 1945. 8 L11  
Importance and achievements of the Cuban organization "Defensa Nacional del Vaquero."
- 4204 HAAG, H. M. Cooperative services for goat owners. Dairy Goat J. 23(9): 1, 3. Nov. 1945. 40.18 M592
- 4205 HEALEA WORK, S. Informe sobre la ganadería en Guatemala. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 495-502. June/July 1945. 8 G934  
Various aspects of the industry.
- 4206 HOW BRITAIN could have more beef. By "L. M. F." Farmer & Stock-Breeder 59: 1701. Oct. 30, 1945. 10 F228
- 4207 IOWA STATE COLLEGE OF AGRICULTURE. EXTENSION SERVICE. What's ahead for the live stock farmer in 1946; the facts about feed and live stock. Aberdeen-Angus J. 27(3): 44, 47, 108-110. Oct. 1945. 43.8 Ab3
- 4208 JACOB, A. W. Beef cattle. Cur. Farm Econ. [Ukla. Sta.] 18: 97-98. Oct. 1945. 100 Ok4
- 4209 KENNEY, D. Utah is now at the crossroads in its livestock industry program. Utah Farmer 65 (5): 21, 24. Oct. 10, 1945. 6 D45
- 4210 LEÓN, A. Lecciones de ovinotecnia. Agronomía [Lima] 10(42): 53-136. July/Aug. 1945. 9.8 Ag33  
Survey of the Peruvian sheep industry, including breeds and breeding, characteristics of the industry, buildings and equipment, crops and soil problems on the ranch, feeds, and meat and wool production.
- 4211 LORINEZ, L. The world future of meat after the transition period. Agr. Abroad, v. 1, No. 2, Sup., 37 p., processed. Sept. 1945. 281.9 C1642
- 4212 MOORE, M. P. Beef cattle will play an even more important part in America's improved standard of living. Amer. Hereford J. 36(13): 154. Nov. 1, 1945. 43.8 Am32
- 4213 MORGAN, J. La carne de Sur America tendrá gran demanda en la post-guerra; Europa constituirá un vasto mercado; mas de la mitad de cabezas de ganado que había en ese continente ha sido sacrificado durante la guerra. Cult. Agr. 4(43): 18. Apr. 1945. 9.4 C89
- 4214 PICKELL, M. W. Unscrewing the inscrutable; a current market analysis of the livestock situation. Breeder's Gaz. 110(11): 10, 22. Dec. 1945. 49 B74
- 4215 PONS, P. L'avenir de l'élevage aux Pyrénées. Fed. Pyren. d'Econ. Montagn. Ann. (1939) 8: 45-54. 1940. 280.9 F312  
France.
- 4216 POTVIN, J. B. L'élevage du mouton dans Charlevoix. Terre de Chez Nous 18(6): 11. Nov. 7, 1945. 7 T27
- 4217 PROULX, J. R. L'élevage des bovins canadiens dans le district de Levis. Terre de Chez Nous 18(6): 10, 23. Nov. 7, 1945. 7 T27
- 4218 QUEIROZ, E. R. Problemas da suinocultura gaucha. Brazil. Min. da Agr. B. 33(3): 57-69. Mar. 1944. 9.2 Ag83
- 4219 REED, H. E. The meat situation. (Excerpts.) West. Livestock J. 31(4): 25, 28. Nov. 1945. 49 W523
- 4220 RIORDAN, M. The future of beef in Alaska. Amer. Cattle Prod. 27(5): 13-14, 29; (6): 14-15, 28. Oct.-Nov. 1945. 49 P94
- 4221 RÍOS IGUALT, M., CARVAJAL G., L., and GÓMEZ I., L. Posibilidades de producción del baby-beef en Chile. Simiente 15(2): 79-86, 88. (To be cont.) Apr./June 1945. 9.3 S14  
Includes production costs.
- 4222 ROCCA, G. Algunas consideraciones sobre la matanza de vacas; necesidad de propender al aumento del ganado vacuno como medio de contribuir a la subdivisión de la tierra y al aumento de la población rural. Soc. Rural Argentina. An. 79: 321-324. Apr. 1945. 9 Sol
- 4223 SCHNEIDER, G. Ayrshires versus beef cattle on family sized farms. Ranchman 5(6): 48. Oct. 1945. 49 R15  
Cattle production.
- 4224 SCHNITZER, J. G. World leather demand. Leather Mfr. 56: 219-220. Nov. 1945. 303.8 L484  
Hide and skin supplies.
- 4225 SEARA, C. Aspectos da pecuária serrana catarinense. Brazil. Min. da Agr. B. 33(4): 51-79. Apr. 1944. 9.2 Ag83
- 4226 SIMS, G. J. What's ahead in meat production? Agr. Situation 29(10): 21-23. Oct. 1945. 1 Ec7Ag
- 4227 SOCIEDAD RURAL ARGENTINA. Al país. Soc. Rural Argentina. An. 79: 511-518. July 1945. 9 Sol  
Problems of the livestock and packing industries.
- 4228 SOCIEDAD RURAL ARGENTINA. Opinión de la Sociedad Rural Argentina sobre el proyecto de reforma de los estatutos de la Corporación Argentina Productores de Carnes. Soc. Rural Argentina. An. 79: 451-456. June 1945. 9 Sol
- 4229 SOCIEDAD RURAL ARGENTINA. OFICINA DE ESTUDIOS E INVESTIGACIONES ECONÓMICAS. Como se fomenta la ganadería en otros países. Soc. Rural Argentina. An. 79: 593-598. Aug. 1945. 9 Sol



- 4230 STANLEY, E. B. The future; the livestock industry has no cause to fear it. West. Livestock J. 23(59): 92-94. Oct. 15, 1945. 6 F2278
- 4231 TAGLE, E. C. La Argentina como país productor de carne bovina. Res 13: 17940-17942. Sept. 5, 1945. 286.85 R31
- 4232 TERPENING, G. K. Hogs. Cur. Farm Econ. [Okla. Sta.] 18: 98-99. Oct. 1945. 100 Ok4
- 4233 TOWNSEND, J. Goat dairying! and how. Amer. Dairy Goat News 7(5): 3. Nov. 1945. 40.18 Am34
- 4234 WEINWORTH, E. N. Some phases of the post-war outlook. West. Livestock J. 23(59): 35, 113-116. Oct. 15, 1945. 6 F2278
- Livestock production.

#### Analysis and Composition

- 4235 CHIPAULT, J. R., LUNDBERG, W. O., and BURR, G. O. The chemical determination of tocopherols in animal fats: the stability of hog fats in relation to fatty acid composition and tocopherol contents. Arch. Biochem. 8: 321-335. Nov. 1945. Ref. 381 Ar2
- 4236 MCCLUNG, L. S. Human food poisoning due to growth of *Clostridium perfringens* (C. welchii) in freshly cooked chicken: preliminary note. J. Bact. 50: 229-231. Aug. 1945. 448.3 J82
- 4237 SARACENO, S. Reperto di bacilli del paratifo nelle carni. Clin. Vet. 64: 14-18. Jan. 1941. 41.8 C61

#### Consumption and Utilization

- 4238 PATWORTH, D. Rabbit skins for utility fur coats. Poultry [London] 97: 153. Sept. 4, 1945. 47.8 P869

#### Distribution, Marketing, and Transportation

- 4239 BISSON, J. E. Expéditions d'animaux vivants du Temiscamingue. Terre de Chez Nous 17(52, 1. e. 51): 23. Sept. 26, 1945. 7 T27
- Cooperative shipment of livestock from Temiscamingue to Montreal.
- 4240 BISSON, J. E. Renseignement dont nous avons besoin pour faire la repartition des animaux vivants. Terre de Chez Nous 18(6): 27. Nov. 7, 1945. 7 T27
- Records needed in transporting of livestock for cooperative marketing.
- 4241 CANNING, D. Hints on cattle trucking. Aberdeen-Angus J. 27(3): 47. Oct. 1945. 43.8 Ab3
- 4242 CHERRY, E. Compra y venta del ganado gordo por los intermediarios o 'colocadores' para venderlo despresado a los expendedores al detal (famas). Vida Rural 6(61): 5. Aug. 1944. 9.4 V66
- Colombia.
- 4243 CHERRY, E. Otras pérdidas del ganado llanero. Vida Rural 6(61): 3. Aug. 1944. 9.4 V66
- 4244 LES COURS du bétail au marché de la Ville depuis 1920. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 2: 229-238. July 1943. 260 Se6
- Statistics.
- 4245 ELIJAH, H. D. The marketing of purebred livestock. OIC News 11(8): 6-7; (9): 6. Aug.-Sept. 1945. 46.8 O11
- 4246 HW. Freiheit in der ordnung oder freiheit in der misere? Schweiz. Bauernztg. 45: 42-43. Nov. 1945. 280.28 sch93
- Livestock marketing.
- 4247 JESNESS, O. B. Livestock marketing trends. Coastal Cattleman 11(10): 7-11. Dec. 1945. 43.8 C63
- 4248 LACEY, J. J. Ram truck sales steady. Wool News 2(4): 4. Nov. 1945. 280.28 W882
- 4249 MILNER, J. F. 200 lb. is most profitable pig weight. Smallholder 74(1857): 17. Oct. 19, 1945. 10 Sm1
- 4250 PARK, R. H. Buying on carcass yield. Breeder's Gaz. 110(10): 18. Nov. 1945. 49 B74

- 4251 PHILLIPS, H. Money from wintering store stock. Smallholder 74(1856): 11. Oct. 12, 1945. 10 Sm1
- Livestock buying.
- 4252 SHANNON, A. T. Farming in New Zealand; store and breeding stock. New Zeal. J. Agr. 71: 119-125. Aug. 15, 1945. 23 N48J
- Marketing and distribution of stock.
- 4253 WILLIAMS, J. R. Market requirements for bacon pigs, local and overseas. Agr. Gaz. N. S. Wales 56: 407-408. Sept. 1, 1945. 23 N472

#### Grading, Inspection, Standardization, and Quality

- 4254 ANASTASIA, P. Primas y rendimientos. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 331. Aug. 23, 1945. 9.9 G15B
- Need for improving quality and maintaining quantity of livestock production for market.
- 4255 ANASTASIA, P. Producir más y mejor. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 339. Aug. 30, 1945. 9.9 G15B
- Need for standardizing livestock production for slaughter.
- 4256 ANASTASIA, P. Sanidad y producción. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 347. Sept. 6, 1945. 9.9 G15B
- Importance of health in the livestock industry to maintain quality and keep consuming markets.
- 4257 MARTINI, I. Le nuove disposizioni sulla ispezione delle carni in Germania. Clin. Vet. 64: 303-308. Aug. 1941. 41.8 C61
- 4258 SNS., T. Mur klassificeras kött? Lantmannen 29: 824-825. Sept. 15, 1945. 11 L234
- Meat grading in Sweden.
- 4259 VANDEWEGHE, J. Wake up America. Small Stock Mag. 29(11): 24A. Nov. 1945. 44.8 P442
- On the need for improving the quality of American reboitskin.

#### Packing and Packaging

- 4260 HILBY, M. The place of packaged meats, fresh and frozen. Butchers' Advocate 118(20): 11-12. Nov. 14, 1945. 286.85 B97

#### Prices, Price Control, and Rationing

- 4261 BASTITTA GIMÉNEZ, F. Valor de la carne argentina en el Reino Unido. Buenos Aires y La Pampa, No. 81, p. 16. Aug. 1945. 9 B868
- Prices.
- 4262 BISSON, J. E. Pourquoi le prix des porcs a baissé. Terre de Chez Nous 18(3): 27. Oct. 17, 1945. 7 T27
- Quebec.
- 4263 DONAGARAY, F. Los precios del ganado en la Argentina y en el Uruguay. Diario Rural 4(514): 16. Sept. 19, 1945. 9.9 D54
- 4264 HANNAM, H. H. [Livestock] producers fear [meat] rationing plan will hurt them. Country Life [Vernon] 29(10): 16. Nov. 1945. 7 C832
- 4265 MACCOLL, E. D. Los precios del 6.º contrato y las cotizaciones de tablada. Diario Rural 4(515): 16. Sept. 22, 1945. 9.9 D54
- The problem of meat prices and of obtaining an adequate return for Uruguayan producers under the sales contract with Great Britain.
- 4266 MISNER, E. G. Prices of purebred cattle at auction. Holstein-Friesian World 42: 1537, 1541. Oct. 6, 1945. 43.8 H742
- 4267 REEVES, F. A Texan tours the Corn Belt; he finds that most feeders believe subsidy payments and price controls have hurt rather than helped the livestock industry. Cattleman 32(6): 40, 42, 44, 57. Nov. 1945. 49 C29
- 4268 STOUT, L. Calgary fall sale [of livestock] draws surprisingly good prices. Family Herald and Weekly Star 76(45): 10-11. Nov. 7, 1945. 7 F21

Processing and Storage

- 4269 ANDREWS, J. C. Meat dehydration in New Zealand. Food Manufacture 20: 391-395. Nov. 1945. 389.8 F736
- 4270 BRINK, V. E. Plastic furs—a new industry? Forbes 56(9): 20. Nov. 1, 1945. 280.8 F74  
Manufacture of furs from sheepskin through the Calva process.
- 4271 CHAMBERD, P. Note sur le déchaulage des peaux. Cuir Tech. 30: 9. Jan. 15, 1941. 303.8 C89
- 4272 DUCK, R. W. It's hog killing time. Rural New-Yorker 104: 526. Nov. 17, 1945. 6 R88  
Chiefly on the preservation of meat.
- 4273 ELLING, C. G. Home utilization of meats. Kans. State Col. Ext. Neighborhood Leader, Nov. 1945, p. 1. 275.29 K13N  
Preservation and storage of meat on the farm.
- 4274 HENNING, E. G. Canned meat trade appears favorable. Dom. Com. 33(11): 33. Nov. 1945. 157.54 D713
- 4275 PACHECO, A. DE M. Terceiro Congresso Pecuario do Brasil Central... A industrialização do boi no seu "habitat." Rev. dos Criadores 16(8): 4-7. Aug. 1945. 43.8 R32
- 4276 STEPHENS, C. Modern leather straining. Leather World 37: 709-710. Oct. 11, 1945. 303.8 I482
- 4277 STILLWELL, E. C. A side of beef in family sized cuts. Farmer's Advocate and Home Mag. 80: 812, 840-841. Nov. 8, 1945. 7 F22
- 4278 TRESSLER, D. K. Some meat freezing pointers. Furrow 50: 10, 14. Sept./Oct. 1945. 6 F98
- 4279 WADHAMS, N. K. We processed a cow. Rural New-Yorker 104: 496. Nov. 3, 1945. 6 R88
- 4280 WARNER, K. F. Every step is important in freezing meat. Country Gent. 115(11): 12-13. Nov. 1945. 6 C833
- 4281 WARNER, K. F. Home-grown meat. Nebr. Farmer 87(21): 5, 32. Nov. 3, 1945. 6 N27  
Directions for freezing meat.

Statistics

- 4282 LINDMAN, K. Svin- och hönsräkningen år 1945. Lantmannen 29: 719-720. Aug. 11, 1945. 11 L234  
Swine and poultry census in Sweden in 1945.
- 4283 PRABHU, S. S. The problem of estimating the surplus of a live-stock crop. Indian Farming 6: 360-364. Aug. 1945. 22 In283  
Estimates of population trends.
- 4284 LE RECENSEMENT des animaux effectuée au mois de novembre 1941. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 1: 7-59, 65-123. Feb. 28, May 1, 1942. 260 Se6  
Feb. 28 installment issued by Secretariat d'Etat à l'Agriculture.
- 4285 RÉSULTATS du recensement des animaux en automne 1943. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 3: 1-4. Mar. 1944. 260 Se6  
Statistical tables, p. 5-148.
- 4286 RÉSULTATS du recensement des animaux au printemps (France entière). France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 2: 239-247. Sept. 1943. 260 Se6  
Statistical tables, p. 248-385.
- 4287 RÉSULTATS du recensement des animaux en automne 1942. (Zone sud et France entière.) France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 2: 123-201. May 1943. 260 Se6
- 4288 RÉSULTATS du recensement des animaux en zone occupée. (Automne 1942.) France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 2: 20-108. Apr. 1943. 260 Se6
- 4289 LES RÉSULTATS du recensement des animaux en zone occupée en mai 1942. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 1: 132-208. June 1, 1942. 260 Se6
- 4290 LES RÉSULTATS provisoires du recensement des bovins effectué au printemps 1943. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 2: 219-227. July 1943. 260 Se6
- 4291 SZATROWSKI, Z. The consistency of U. S. D. A. estimates of possible consumption and prices of beef and pork in 1950. J. Farm Econ. 27: 984-989. Nov. 1945. 280.8 J822

OILS AND OILSEEDS

- 4292 AUSTIN, M. F. Tung, oilcica and drying oils generally. Amer. Paint J. 30(5-A): 10, 12. Oct. 31, 1945. 306.8 Am32  
Supply, demand, and future prospects.
- 4293 BERZAGHI, M. N. Carôço de algodão. Ouro Branco 11(1): 8. May 1945. 72.8 Ou7
- 4294 BISHOP, F. F. A resume of the graduate work in cotton seed processing performed in the Department of Chemistry and Chemical Engineering at the A. & M. College of Texas. Oil Mill Gazetteer 50(4): 9, 11-15, 30-32. Oct. 1945. 307.8 C153
- 4295 BLACK, D. L. Shortage of good seed in 1946 looms. Cotton Digest 18(5): 25-26. Oct. 27, 1945. 286.82 C822
- 4296 BUELENS, E. A. The soybean has a great future. Times Argentina 45(2587): 24-25. Feb. 1, 1943. 286.8 T48
- 4297 BUNNELL, D. J. Practical problems of the soybean processor. Soybean Processors' Conf. Rpt. (1944) 1: 43-47, processed. 275.29 IL62Pag
- 4298 BURNETT, R. S., PARKER, E. D., and ROBERTS, E. J. Peanut protein hydrates; utilization as tacky and reconditioning adhesives. Indus. and Engin. Chem. Indus. Ed. 37: 980-982. Oct. 1945. 381 J885
- 4299 CARRIÈRE, E. L'huile de pépins de raisins; ses propriétés; ses emplois. Prog. Agr. et Vitic. 114: 168-170. Sept. 22, 1940. 14 P94
- 4300 DANIELS, T. L. Linseed oil. Amer. Paint J. 30(5-A): 8, 9. Oct. 31, 1945. 306.8 Am32  
Supplies available.
- 4301 ENO, R. D. Dehydrated castor oil. Amer. Paint J. 30(5-A): 10. Oct. 31, 1945. 306.8 Am32  
Supplies available.
- 4302 FONTAINE, T. D., IRVING, G. W., JR., and WARNER, R. C. Electrophoretic investigation of peanut proteins. II. Composition of several peanut protein fractions. Arch. Biochem. 8: 239-249. Nov. 1945. 381 Ar2
- 4303 GABBY, J. L. La química de la múltiple soya. Bolsa de Com., Buenos Aires. Rev. 33(809): 3-5. Sept. 30, 1945. 287 B71  
Soybean analysis.
- 4304 GOETTLER, R. Soybeans have bright future as feed and food. Prairie Farmer, Ill. Ed. 117 (24): 5. Nov. 24, 1945. 6 P883B
- 4305 HACKLEMAN, J. C. Soybeans in Illinois—review and preview. Soybean Processors' Conf. Rpt. (1944) 1: 28-32, processed. 275.29 IL62Pag
- 4306 HARRIS, W. D. Solvent extraction of cottonseed oil. (Excerpts.) Oil Mill Gazetteer 50 (5): 14-20. Nov. 1945. 307.8 O153
- 4307 JOLY, R. L. Le soja; plante cosmopolite de grand intérêt familial et industriel. Génie Rural et Elect. Rurale 33: 15. Nov./Dec. 1940. 58.8 Au8
- 4308 KALININ, T. Ob uchete urozhaiâ podsol-nechnika po zven'iam. Soŭŭialist. Sel'sk. Khoz. 12 (7/8): 90-91. July/Aug. 1941. 281.8 So73  
Sunflower crop estimates for wage determination for workers.
- 4309 KISHLAR, L. The soybean in the postwar world. Soybean Processors' Conf. Rpt. (1944) 1: 37-42, processed. 275.29 IL62Pag
- 4310 LABARRE, J., and PFEFFER, S. Fixed oil from Vicia faba. Canad. Chem. and Process Indus. 29: 724, 736. Oct. 1945. 381 C16



- 4311 LUND, C. E. Brighter fats and oils picture seen. Dom. Com. 33(10): 25-26. Oct. 1945. 157.54 D713
- 4312 M., P. L'industrie huilière. II. Monit. de l'Aliment. 39(372): 8. July 1945. 389.8 M74  
History of extraction of vegetable oils.
- 4313 MCKINNEY, R. S., PACK, F. C., and OGLESBEE, R. E. Drying of hulled tung nuts. Amer. Tung Oil Assoc. Proc. 1945: 52-54, processed. 77.9 Am32
- 4314 MCKINNEY, R. S., and OGLESBEE, R. E. Preliminary studies on the storage of tung fruit and seed. Amer. Tung Oil Assoc. Proc. 1945: 48-51, processed. 77.9 Am32
- 4315 MCKINNEY, R. S., and OGLESBEE, R. E. Some variations in solvent-extracted tung oils resulting from the solvents employed. Amer. Tung Oil Assoc. Proc. 1945: 43-47, processed. 77.9 Am32
- 4316 MAHOUX, J. Le tournesoleil et la disette d'huile. Prog. Agr. et Vitic. 116: 241-242. Nov. 16, 1941. 14 P94
- 4317 EL MANÍ, origen y areas geográficas. Paraguay. Min. de Agr. Rev. de Agr. y Ganad., No. 12, p. 30-53. Aug. 1945. 9.7 Ag8Re
- 4318 MEUNISSIER, A. Plantes oléagineuses et huiles végétales. Petit Casablançais 30(1234): 4, 2. Oct. 20, 1945. 280.8 P44  
Morocco.
- 4319 POLLARD, E. F., VIX, H. L. E., and GASTROCK, E. A. Solvent extraction of cottonseed and peanut oils. Indus. and Engin. Chem. Indus. Ed. 37: 1022-1026. Oct. 1945. 381 J825
- 4320 ROSELLA, E. La culture du soja mérite d'être tentée mais il faut être prudent. Prog. Agr. et Vitic. 114: 109-111. Sept. 1, 1940. 14 P94
- 4321 ROSEN, E. Essential oils from the Americas. Amer. Drug. 112(5): 102-103, 236, 238, 240, 242, 244. Nov. 1945. 396.8 Am32
- 4322 SANFORD, I. G. Soy-bean size is easy to apply and remove. Textile World 95(10): 127, 202, 204. Oct. 1945. 304.8 T315
- 4323 SCHIFFMAN, E. G. The soybean processing situation, 1945-46 season. Soybean Digest 6(1): 14-16. Nov. 1945. 60.38 So9
- 4324 SEVERSON, H. Financing our own tung oil. Banking 38(4): 69. Oct. 1945. 284.8 Am3
- 4325 SIERRA, H. M. Aceites esenciales y producción en Guatemala. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 516-520. June/July 1945. 8 G934
- 4326 SMITH, A. K., and COWAN, J. C. Research developments in soybeans at the Northern Regional Research Laboratory. Soybean Digest 5(11): 43-44. Sept. 1945. 60.38 So9  
Use of soybean meal as extender for plywood glue and in Norconol oil.
- 4327 STEELE, C. F. Alberta capitalizes on weed seeds. Family Herald and Weekly Star 76(47): 10. Nov. 21, 1945. 7 F21  
Sales of weed seeds for oil extraction.
- 4328 STINGLEY, D. V. Industrial utilization of soybean oil. Soybean Digest 6(1): 12-14. Nov. 1945. 60.38 So9
- 4329 LES SURFACES cultivées en oléagineux pendant la campagne 1942-1943. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 2: 203-218. July 1943. 260 S66  
Statistics.
- 4330 VALDIVIA, M. A. El frijol de soya. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 26-27. July/Sept. 1945. 8 Ag88Re  
Utilization.
- 4331 VILLANUEVA, S. F. Se puede producir en el país todo el aceite comestible que importamos. Bol. sa de Com., Rosario. Rev. 33(808): 3-5. Sept. 15, 1945. 287 R71

## POULTRY AND POULTRY PRODUCTS

- 4332 B., M. No pay for quality; better eggs need higher market value. Wallaces' Farmer and Iowa Homestead 70: 867. Nov. 17, 1945. 6 W15
- 4333 BROWN, N. Take it all the way to the consumer; what a leading refrigerator manufacturer learned in manufacturing and selling that product he is now applying to poultry farming. Poultry Tribune 51(10): 27-28, 30. Nov. 1945. 47.8 P8642
- 4334 CASSAMAGNAGHI, F. Consejos a los criadores de aves; qué es y como se obtiene un huevo de calidad. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 361. Sept. 13, 1945. 9.9 G15B
- 4335 CATHCART, W. H. Defrosting of frozen eggs; old and new methods of thawing solid product... Amer. Egg & Poultry Rev. 6: 694, 700-701. Oct. 1945. 47.8 Am38
- 4336 COHEN, R. M. Sell more heavy turkeys this year. Butchers' Advocate 118(19): 16, 18. Nov. 7, 1945. 286.85 B97
- 4337 COHEN, R. M. Thanksgiving turkey prospects. Butchers' Advocate 118(20): 10. Nov. 14, 1945. 286.85 B97
- 4338 COOPER, M. Poultry yarns. Poultry Press 32(1): 3. Nov. 15, 1945. 47.8 P8643  
Utilization of poultry feathers.
- 4339 DAVIS, K. C. Poultry. Cur. Farm Econ. [Okla. Sta.] 18: 100-102. Oct. 1945. 100 Ok4
- 4340 DEVELOPMENT of the poultry industry. Indian Farming 6: 391-393. Sept. 1945. 22 In283
- 4341 DUTTON, H. J., and others. Changes in stored dried eggs. Indus. and Engin. Chem. Indus. Ed. 37: 1119-1126. Nov. 1945. Ref. 381 J825  
Contents: Source of fluorescence, by H. S. Olcott and H. J. Dutton, p. 1119-1121; Role of phospholipides and aldehydes in discoloration, by B. G. Edwards and H. J. Dutton, p. 1121-1122; Spectrophotometric and fluorometric measurement of changes in lipides, by H. J. Dutton and B. G. Edwards, p. 1123-1126.
- 4342 ETHERIDGE, D. So you are making a catalog! Hatchery Tribune 19(11): 12, 66-68. Nov. 1945. 47.8 H28  
Suggests method for preparing a mail order hatchery catalog.
- 4343 FOSTER, B. H. Here is the new chicken feather fabric. Textile Colorist and Converter 67: 62-63, 95. Oct. 1945. 306.8 T31
- 4344 GANDLER, F. My hatchery building sells chicks. Why shouldn't your hatchery be as smart as Saks Fifth Avenue? Hatchery Tribune 19(11): 13, 65-66. Nov. 1945. 47.8 H28  
Description of the Seattle Hatchery.
- 4345 GORDON, M. D. Don't blame us for egg shortage. Poultry [London] 97: 246. Oct. 16, 1945. 47.8 P869
- 4346 GORRIE, C. J. R. Egg quality is a basic problem of poultry industry [New South Wales]. Stock and Land 35(38): 3. Sept. 19, 1945. 49 St63
- 4347 GRIFFITHS, T. W. Difficulties in starting a poultry dressing plant. Amer. Egg & Poultry Rev. 6: 702-703. Oct. 1945. 47.8 Am38
- 4348 HELLER, R. The turkey market outlook. Mont. Farmer 33(6): 14. Nov. 15, 1945. 6 M764  
Also in Ohio Farmer 196(10): 22-23. Nov. 17, 1945. 6 Oh3
- 4349 HENDERSON, E. W. A simple scoring system for estimating "meat type" of live poultry. Mich. Agr. Expt. Sta. Q. B. 28(1): 75-81. Aug. 1945. 100 M58S
- 4350 JOLLY, G. S. Post-war marketing of eggs [Australia]. Rev. Mktg. Agr. Econ. (n. s.) 13: 238-241, processed. Sept. 1945. 286.8 M47M
- 4351 JONES, M. D. The poultry and egg situation. Maine Agr. Col. Ext. Farm Econ. Facts, No. 60, p. 1334-1336, processed. Oct. 1945. 275.29 M281F

- 4352 KIMBALL, E. S. Gov't survey indicates '45 crop 22% larger than '44. Turkey World 20(10): 28-29, 32-34. Oct. 1945. 47.38 T84
- 4353 LEE, J. S., REEVES, A. M., and STEWART, G. J. Physical measurements on chicken feathers. I. Compression tests. Amer. Dyestuff Rptr. 34: 377-382. Sept. 24, 1945. 306.8 Am3
- 4354 LEVERENZ, W. Canning chicken at home. Prog. Farmer, Car.-Va.-Md. 60(11): 44-45. Nov. 1945. 6 P945
- 4355 LOVEGROVE, E., and FROOME, S. Quality in eggs. West. Austral. Dept. Agr. J. (ser. 2) 22: 128-130. June 1945. 23 W52J
- Care and handling.
- 4356 M., R. La coopérative avicole du Québec. Terre de Chez Nous 18(8): 4. Nov. 21, 1945. 7 T27
- 4357 MAKOWER, B. Vapor pressure of water adsorbed on dehydrated eggs. Indus. and Engin. Chem. Indus. Ed. 37: 1018-1022. Oct. 1945. 381 J825
- 4358 NORTHEASTERN POULTRY PRODUCERS COUNCIL. Proceedings, annual meeting, 1944, 71 p. Trenton, N. J. 47.9 N814
- Partial contents: The future of northeastern agriculture, by H. E. Babcock, p. 5-10; Panel discussion, saving labor on the poultry farm, led by C. O. Dossin: [Introduction], p. 12; Care of chicks in brooder houses, by N. Witmer, p. 13-14 (discussion, p. 14-15); Care of stock on range, by O. J. Hubbard, p. 16-18 (discussion, p. 18); Care of birds in the laying house; care of eggs, by G. Jasper, p. 19-21 (discussion, p. 21-24); Preventing diseases in laying birds, by F. R. Beaudette, p. 25-31 (discussion led by R. B. Herr, p. 31-35); What we have learned about increasing egg consumption, by H. I. Huntington, p. 36-39; Our Nation's food situation, by F. F. Hill, p. 40-44 (discussion by C. B. Denman, p. 44-49); Panel, Progress in marketing poultry meat, led by H. W. Bermender, p. 50-55; Feed supplies for broiler growers, by W. C. Berger, p. 56-62; Producing broilers at lower costs, by J. M. Tunnell, Jr., p. 63-66; Efficient broiler management, by W. A. Maw, p. 67-70 (discussion, p. 70-71).
- 4359 P., B. Chickens in lockers; family helps prepare for freezer storage. Wallaces' Farmer and Iowa Homestead 70: 868. Nov. 17, 1945. 6 W15
- 4360 PEARSON, I. O. If export egg is stale, Danish farmer is fined. Country Life [Vernon] 29 (10): 12. Nov. 1945. 7 C832
- 4361 POULTRY AND EGG NATIONAL BOARD. How to conserve egg quality. Nulaid News 23(6): 8. Sept. 1945. 47.8 N917
- 4362 PROULX, J. R. Le marché des volailles. Terre de Chez Nous 18(3): 11, 19. Oct. 17, 1945. 7 T27
- Canada.
- 4363 RAIMO, H. F. Sobre a entrada de ovos na cidade de S. Paulo, de junho de 1944 a maio de 1945. Rev. dos Criadores 16(8): 44-45. Aug. 1945. 43.8 R32
- 4364 ROSCOE, C. Plenty of good duck land wasted in Great Britain. Poultry [London] 97: 214, 219. Oct. 2, 1945. 47.8 P869
- Use of wet, rough, and partly waterlogged land for duck raising.
- 4365 SERFATY, M. La crise des oeufs. Intransigeant Maroc. 7(234): 1, 4. Nov. 9, 1945. 280.8 In89
- 4366 SAMIS, G. K. Nova Scotia aims at more poultry meat. Marit. Farmer and Co-op. Dairyman 55(4): 23. Nov. 20, 1945. 7 C77
- 4367 SHEARD, O. B. The poultry industry and the future. S. A. P. A. Poultry B. 10(97): 7, 9. Oct. 1945. 47.8 S889
- 4368 SMITH, C. F. Sharpen up your appetite and your imagination for better consumer relations. Hatchery Tribune 19(11): 14, 60-62. Nov. 1945. 47.8 H28
- Egg and poultry marketing.
- 4369 STRIKE, H. Egg famine becomes serious in Great Britain. Poultry World 77: 112. Sept. 7, 1945. 47.8 P8682
- 4370 TOWNSLEY, T. S. Poultry industry lucky in date of war ending; fall is best time for making necessary adjustments. Smith's Chickagrams 14(10): 1-2. Oct. 1945. 47.9 Sm6
- 4371 TSANG, Z. T. Importance of developing the poultry industry in China. Poultry Farmer [Sydney] 13(7): 17-21. Aug. 18, 1945. 280.28 Or32
- 4372 WHICH branch of poultry farming? By "The Fenman." Poultry [London] 97: 313, 314. Nov. 13, 1945. 47.8 P869
- 4373 WORTHINGTON, J. A time to buy - and a time to sell. Farmers Weekly [London] 23(18): 37. Nov. 2, 1945. 10 F2226
- Obtaining best poultry profits.
- 4374 ZICH, G. E. Poultry reconversion; king buyer, queen consumer return to marketing throne as supplies catch up. Poultry Comment 2(4): 2-3. Oct. 1945. 47.8 D92

## RUBBER AND RUBBER SUBSTITUTES

- 4375 A BORRACHA da Amazônia; esta preparada para enfrentar o período de paz iniciado. Observador Econ. e Financ. 10(116): 133-137. Sept. 1945. 280.8 Ob72
- 4376 CAMARGO, F. C. DE, and BEKKEDAHL, N. O método "Pé-Agrônômico" para coagulação da borracha. Brazil. Min. da Agr. B. 33(3): 83-89. Mar. 1944. 9.2 Ag83
- 4377 FORREST, J. My career in rubber; early development work. India Rubber J. 109: 451-452, 454-455. Oct. 20, 1945. 305.8 In21
- 4378 JARRIJON, A. L'évolution et les progrès du caoutchouc à la plantation. Chim. & Indus. 54: 150-158. Sept. 1945. 383 C42
- Processing and equipment.
- 4379 LITCHFIELD, P. W. Guayule; asset or liability? Goodyear Tire & Rubber Co. Notes on America's Rubber Indus. (n. s.), No. 4, 4 p. n. p. 1945. 305.9 G63N
- 4380 LITCHFIELD, P. W. Rubber; its new and increased uses. Goodyear Tire & Rubber Co. Notes on America's Rubber Indus. (n. s.), No. 2, 4 p. n. p., 1945. 305.9 G63N
- 4381 LITCHFIELD, P. W. Surpluses; rubber's approaching problem. Goodyear Tire & Rubber Co. Notes on America's Rubber Indus. (n. s.), No. 3, 4 p. n. p., 1945. 305.9 G63N
- 4382 LITCHFIELD, P. W. Synthetic rubber; a great new factor in our economic life. Goodyear Tire & Rubber Co. Notes on America's Rubber Indus. (n. s.), No. 1, 4 p., processed. n. p., 1945. 305.9 G63N
- 4383 ROLLINS, M. L., BAILEY, T. L. W., JR., and DEGRUY, I. V. Microscopical studies in connection with the extraction of rubber from goldenrod. India Rubber World 113(1): 75-78. Oct. 1945. 305.8 In2
- 4384 SACHS, K. Posibilidades de producción del caucho sintético en Cuba. Asoc. de Tec. Azucareros de Cuba. B. Ofic. 4: 203-207. Aug. 1945. 65.9 As5B
- 4385 SCHOOF, M. La préparation du caoutchouc en Extrême-Orient. B. Agr. du Congo Belge 35(1/4): 6-11. Mar./Dec. 1944. 24 K83
- Includes numerous plans for factories and illustrations for equipment, in addition to processing methods.
- 4386 U. S. TARIFF COMMISSION. Rubber; prepared in response to requests of the Committee on Finance of the United States Senate and the Committee on Ways and Means of the House of Representatives. U. S. Tariff Comm. War Changes in Indus. Ser. Rpt. 6, 102 p., processed. Washington, 1945. 173 T17Wai



## SEEDS

4387 ALAZRAQUI, J. M. La semilla fiscalizada y la calidad de las cosechas. Inst. Agr. Argentino. Resenas, v. 5, No. 33, 36 p. 1945. 281.9 B862

4388 ALLEN, G. Crop testing plan makes notable contribution to seed quality; 200,000 western farmers use service. Canad. Grain J. 1(4): 5. Nov. 1945. 59.8 C16

Plan sponsored by Searle and Home Grain companies and the Midland and Pacific Grain Corporation.

4389 BODGER, J. C. Survey of flower seed situation. Seed World 58(7): 24. Oct. 5, 1945. 61.8 Se52

4390 DELLAZOPPA, J. G. Cura de la semilla. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 360. Sept. 13, 1945. 9.9 G15B

Refers especially to wheat seed.

4391 FARROW, R. A. Seed analyses. R. I. Dept. Agr. and Conserv. Rpt. 14, 24 p. Providence, 1944. 61.9 B34

4392 FERNÁNDEZ AGUIRRE, E. El Laboratorio de Ensayo de Semillas del Ministerio de Agricultura. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 65-66. July/Sept. 1945. 8 Ag88Re

4393 FURSE, G. E. Seed standard in Somerset; the story of one county's successful efforts to maintain the quality of seed wheat by a system of field inspection based on New Zealand methods. Farmers Weekly [London] 23(14): 28, 29. Oct. 5, 1945. 10 F2226

4394 GOMEZ SARMIENTO, J. Como se obtiene la semilla fiscalizada de cereales y oleaginosas en la República Argentina. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 10(9): 8-9. Sept. 1945. 286.8 M575

4395 HENDRIKSON, W. A. Markets for Iowa certified seed. Iowa State Hort. Soc. Trans. (1944) 79: 333-334. 81 Io9

4396 LOUI, D. Jung makes a success of the seed business. Prairie Farmer, Gen. Ed. 117(22): 7. Oct. 27, 1945. 6 P883

Tells about an 800-acre seed growing farm and nursery in Wisconsin.

4397 MEN WHO plan acres: seed growers - partners of the weatherman. Canad. Food Packer 16(11): 25, 27. Nov. 1945. 286.83 C166

Seed production on a commercial scale.

4398 OREGON SEED GROWERS LEAGUE. Proceedings, 3d, 1944, 52 p. Salem, 1944. 61.9 Or3

4399 SMITH, G. L. Canada concerned over alsike quality. Seed World 58(7): 36. Oct. 5, 1945. 61.8 Se52

## SUGAR AND SIRUPS

4400 A AÇÃO e os serviços do Instituto do Açúcar e do Alcool. Brasil Açucareiro 26: 66-67. July 1945. 65.8 B73

4401 ANJOS, V. DOS. Plano de trabalho para a Distilaria Central Presidente Vargas. Brasil Açucareiro 26: 110-112. July 1945. 65.8 B73

Includes formulas used in distillation of sugar for alcohol.

4402 O AUMENTO de preço do açúcar veio para salvar os lavradores de cana de todo o Brasil. Observador Econ. e Financ. 10(115): 135-141. Aug. 1945. 280.8 Ob72

4403 BALCH, R. T. Clarification of Louisiana cane juices and related problems. Sugar B. 24: 28. Nov. 15, 1945. 65.9 Am32

4404 BIRKETT, L. S. Judging the accuracy of the boiling house control data of the cane sugar factory. Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. 1944: 87-92. 65.9 B775

Discussion, p. 92-95.

4405 BOURG, C. J. Louisiana's 1946 [sugar] plan. So. African Sugar J. 29: 331, 333. Aug. 1945. 65.8 So8

4406 BOURG, C. J. We had better plan for the future of sugar. Sugar Beet J., Nov./Dec. 1945, p. 151. 66.8 Su38

4407 BRAZIL. INSTITUTO DO AÇÚCAR E DO ALCOOL. SEÇÃO DE ESTUDOS ECONÔMICOS. Ampliação do parque açucareiro do Brasil. Brasil Açucareiro 25: 526-536. June 1945. 65.8 B73

Survey of the industry with statistics.

4408 COMMONWEALTH sugar agreement. Austral. Sugar J. 37: 283-285, 287-289, 291-293, 295-297, 299. Oct. 15, 1945. 65.8 Au7

4409 COPPIN, C. A. The preparation and use of lime for the clarification of cane juice. Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. 1944: 78-79. 65.9 B775

Discussion, p. 80-81.

4410 COSTA FILHO, M. O açúcar na "Cultura Brasileira." Brasil Açucareiro 25: 576-578. June 1945. 65.8 B73

Sugar in "A Cultura Brasileira. Introdução ao Estudo da Cultura no Brasil" by Fernando de Azevedo.

4411 CROSS, W. E. La caña entregada al ingenio debe ser bien despuntada. Tucumán. Estac. Expt. Agr. C. 133, 2 p. Tucumán, 1945. 102.5 T79

4412 CRUZ, R. DE LA. El Instituto Cubano de Estabilización del Azúcar y la Ley de Coordinación Azucarera. Labor 4(95): 4. Oct. 15, 1945. 8 Ll1

4413 DEERR, N. Precipitation of magnesia as an aid to settling and its possible application to the sugar industry. Internatl. Sugar J. 47: 269-271. Oct. 1945. 65.8 In8

Chiefly in sugar refining.

4414 DEERR, N. The sugar industry in India, a survey of forty years' development. So. African Sugar J. 29: 327, 329. Aug. 1945. 65.8 So8

4415 DIAZ COMPAIN, J. Aportaciones a la organización del Instituto de Investigaciones de la Industria Azucarera Cubana. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 80-89. (Concl.) May 1945. 65.9 As5B

4416 DICKENS, A. W. World sugar shortage and the Union industry. So. African Sugar J. 29: 369, 371, 373. Sept. 1945. 65.8 So8

4417 DOCUMENTATION rétrospective sur la fabrication du sucre de raisin en 1810. Prog. Agr. et Vitic. 114: 183-185. Sept. 29, 1940. 14 P94

4418 DYER, B. W., & COMPANY. Java "Find" unlikely to alter immediate sugar outlook. Natl. Bottlers' Gaz. 64(764): 61-62. Oct. 1945. 390.8 N21

4419 FRANÇOT, P. La fabrication des hydromels. Prog. Agr. et Vitic. 114: 368-372. Dec. 1, 1940. 14 P94

4420 GARCÍA, L. México al día: el problema azucarero. Tierra Libre 9(6): 16. June 1945. 8 T443

4421 GODFREY, G. At least five years; it will take just about that long to rebuild Big Island sugar plantations. Hawaii Farm and Home 8(10): 6-7. Oct. 1945. 25 H3191

4422 HOUSIAU, A. L'intérêt économique et scientifique de la production des alcools par fermentation. Sucr. Belge 61: 114-123, 135-144. Jan./Apr.-May 1942. 66.8 Sul

4423 HUGHES, E. B. Sugars and starches. Soc. Chem. Indus. Rpts. Prog. Appl. Chem. (1943) 28: 354-367. 382 M31R

Cane and beet sugar manufacture and sugar analysis and storage. Section on starches, in collaboration with N. Goldenberg, includes chemistry and analysis of starch.

4424 INGELMAN, B. Några resultat av sockerundersökningarna i Uppsala. Socker, v. 1, No. 7, p. 179-197. Malmö, 1945. 65.8 Sol

Sugar research.

4425 IVE, H. S. Experiences on a tropical sugar estate. O. A. C. Rev. 58(1): 13-14. Oct. 1945. 276.8 On8

Sugar production from planting to refining.

- 4426 KNOX, P. J., and SKINNER, G. S. Sugar per acre. Brit. West Indies Sugar Assoc. Proc. Mtg. Sugar Technol. 1944: 41-44. 65.9 B775  
Discussion, p. 44-45.  
A system for determining the production of sugar per acre.
- 4427 LAMBORN & COMPANY, INC. Javan sugar treasure trove. Sugar J. 8(5): 15-16. Oct. 1945. 65.8 Su391  
On the sugar situation.
- 4428 LAMERS, T. Aperçu historique de la sucrerie de cannes. Guadeloupe. Serv. de l'Agr. Rev. Agr. (n. s.) 2: 156-162. (Cont.) Sept. 1945. 8 R327
- 4429 LAUDO relacionado con el cumplimiento del Contrato Ley de la Industria Azucarera. Trab. y Previsión Social 24(88): 11-38. May 1945. 283.8 T67  
Mexico.
- 4430 LESPÉRANCE, R. Avantages de la culture de la betterave à sucre. Terre de Chez Nous 18(1): 8, 16. Oct. 3, 1945. 7 T27  
Quebec.
- 4431 LONG, L., JR. Sugar and sugar by-products in the plastics industry. Sugar Res. Found. Sci. Rpt. Ser. 1, 61 p. N. Y., 1945. Ref., p. 55-61. 65.9 Su34
- 4432 LÓPEZ FERRER, F. A. Situación pasada, presente y futura de la industria azucarera. Assoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 197-202. Aug. 1945. 65.9 As5B
- 4433 MOELHINNEY, T. R. Bagasse resin laminates. Mod. Plastics 23(3): 121-123. Nov. 1945. 309.8 P69
- 4434 MARSH, P. Sugar-cane areas in the United Provinces from 1903-04 to 1942-43. Indian Sugar 8: 295-298. Sept. 1945. 65.8 In25  
Statistics.
- 4435 MORONEY, C. J. Now is the time for beet sugar industry to take offensive. Sugar Beet J., Nov./Dec. 1945, p. 149-150. 66.8 Su38
- 4436 OLIVEIRA, W. M. DE. Indústria e pesquisa científica. Brasil Açucareiro 25: 552-554. June 1945. 65.8 B73  
Research work at the U. S. Sugar Corporation.
- 4437 OLIVEIRA, W. M. DE. Melão-matéria prima para solventes. Brasil Açucareiro 26: 104-106. July 1945. 65.8 B73  
Describes the fermentation process for converting molasses into acetone, ethyl alcohol, and butyl alcohol.
- 4438 PADRÓN, R. Situación económica de la industria azucarera en Venezuela. Indus. Azucarera 51: 542-545. (Concl.) Sept. 1945. 65.8 In22
- 4439 RAMÍREZ, J. C. Revolución de la industria azucarera de México. Indus. Azucarera 51: 539-541. Sept. 1945. 65.8 In22
- 4440 RAMSAY, A. How sugar beet went to war. Farmer & Stock-Breeder 59: 1708-1709. Oct. 30, 1945. 10 F228  
The industry.
- 4441 RAO, S. N. G. Boiling house control; new formulae presented. Internatl. Sugar J. 47: 263-265. Oct. 1945. 65.8 In8
- 4442 RAY, G. Difficultés de l'industrie sucrière; conséquences et remèdes. Chim. & Indus. [Paris] 54: 203-204. Sept. 1945. 383 C42
- 4443 RETI, L. Industrialización racional de la caña azucar. Indus. y Quím. 7: 273-278. Aug. 1945. 385 In28
- 4444 RODRIGUES, J. H. Agricultura e economia açucareiras no século XVIII. I-II. Brasil Açucareiro 25: 564-572; 26: 112-120. June-July 1945. 65.8 B73
- 4445 SATTLER, L., and ZERBAN, F. W. Unfermentable reducing substances in molasses; anhydrides and amino acid condensation products of reducing sugars. Indus. and Engin. Chem. Indus. Ed. 37: 1133-1142. Nov. 1945. Ref. 381 J825.
- 4446 SCALLEY, D. The future of the beet sugar industry in the United States. (Excerpts.) U and I Cult. 5(3): 8, 34. Sept. 1945. 66.8 U12
- 4447 O TABELAMENTO da cana e o preço do açúcar. Brasil Açucareiro 26: 68-74. July 1945. 65.8 B73  
Prices paid for sugarcane.
- 4448 TEJADA, J. DE D. Informaciones azucareras de Cuba. Indus. Azucarera 51: 534-536. Sept. 1945. 65.8 In22
- 4449 THAPAR, L. K. C. Notes on the post-war regulation of sugar industry. Indian Sugar 8: 289-291, 293-294. (To be cont.) Sept. 1945. 65.8 In25
- 4450 TUGARINOV, V. V. Ispol'zovanie sakharnoi svekly [Utilization of sugar beet]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok., No. 1, p. 47-48. Moskva, 1945. 20 M857
- 4451 VARZEA, A. Engenheiros do oeste carioca. Brasil Açucareiro 25: 579-582. June 1945. 65.8 B73  
The sugar industry in the Eighteenth Century.
- 4452 VENNEN, A. K. Science and sugar beet in the laboratory. Farmers Weekly [London] 23(19): 34-35, 37. Nov. 9, 1945. 10 F2226  
Includes analysis.
- 4453 VIVEIROS, J. DE. O açúcar através do periódico "O Auxiliador da Indústria Nacional." X-XI. Brasil Açucareiro 25: 574-576; 26: 122-125. June-July 1945. 65.8 B73
- 4454 YEARWOOD, R. D. E. Technological report, 1944. Brit. West Indies Sugar Assoc. Rpts. on Res. Work 1944: 22-25. 65.9 B774  
Sugar technology.

## TOBACCO

- 4455 ALAZRAQUI, J. M. Informe sobre el tabaco en la Provincia de Catamarca, mayo de 1944. Argentina. Dir. de Tabaco. B. del Tabaco 8: 19-38. Jan./June 1944. 69.9 Ar32
- 4456 BOHANAN, S. C. Tobacco yields nearly double. Agr. Leaders' Digest 26(8): 30. Oct. 1945. 275.28 Am3  
In Ballard County, Kentucky.
- 4457 BRADFORD, L. A. Preparing tobacco for market. South Agr. 75(11): 33. Nov. 1945. 6 So83
- 4458 CARD, D. G. Thirty-five years of burley tobacco prices. Ky. Farmer's Home J. 81(11): 16. Nov. 1945. 6 F2237
- 4459 FERRARI, R. C. Cosecha y curación del tabaco. Inst. de Defensa del Café de Costa Rica. Rev. 15: 321-328. June 1945. 68.28 C82
- 4460 GILMORE, L. E. Chemurgical possibilities of waste products in the tobacco industry indicate a field for research. Canad. Chem. and Process Indus. 29: 674-678, 708. Oct. 1945. 381 C16
- 4461 GUERIN, B. C. DE. Tobacco-growing in the Channel Islands. Farmers Weekly [London] 23(18): 32. Nov. 2, 1945. 10 F2226
- 4462 HUNT, R. Stripping, tying, bulking—preparing burley for market. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 60(11): 18, 71, 77. Nov. 1945. 6 P945K
- 4463 M., R. La Coopérative de Tabac de St-Jacques. Terre de Chez Nous 18(8): 4, 10. Nov. 21, 1945. 7 T27  
Quebec.
- 4464 ORTIZ R., G. Campaña tabacalera en el Valle del Cauca. Agr. Trop. 1(8): 12-16. Sept. 15, 1945. 26 Ag8
- 4465 PERDOMO, J. E. Cuban tobacco vocabulary useful for every industry member. Tobacco [New York] 121(22): 9-10, 14, 16. Nov. 29, 1945. 286.89 T552
- 4466 ROSSELS, E. Quick recovery seen abroad; what Belgium takes in tobacco told by leaf expert. Tobacco [New York] 121(17): 96, 98. Oct. 25, 1945. 286.89 T552
- 4467 SCHULTES, R. E. El uso del tabaco entre los Huitotos. Agr. Trop. 1(9): 19-22. Oct. 1945. 26 Ag8  
Colombia.



4468 SHARPE, B. Expert describes leaf sales; what the auction system means to North Carolina planters. Tobacco [New York] 121(17): 98, 100. Oct. 25, 1945. 286.9 T552

#### MISCELLANEOUS PRODUCTS

4469 AMARAL, R. DE. Sesenta y ocho millones al año en flores argentinas. Chacra 15(180): 44-45. Oct. 1945. 9 C34

Survey of the industry.

4470 BAUMHOEFENER, J. C. Christmas greens fill in slack season. Amer. Nurseryman 82(11): 7-8. Dec. 1, 1945. 80 Am371

4471 CAMINHA FILHO, A. Da importancia da quina e da quinina. Brazil. Min. da Agr. B. 33(4): 31-50. Apr. 1944. 9.2 Ag83

4472 CANADA. BUREAU OF STATISTICS. FISHERIES AND ANIMAL PRODUCTS BRANCH. Fisheries statistics of Canada, 1943, 277 p. Ottawa, 1945. 253 St262F

Dominion and Provincial Fisheries Departments co-operating.

Includes fish caught and marketed.

4473 CLARKE, I. D., and HOPP, H. Effect of method of drying on the composition of dwarf sumac leaves and on the color of the leather produced. Amer. Leather Chem. Assoc. J. 40: 363-378. Oct. 1945. 303.9 Am32

4474 DIAMOND, C. Cellulosic plastics. Soc. Chem. Indus. Rpts. Prog. Appl. Chem. (1943) 28: 266-275. 382 M31R

4475 FERNANDEZ, J. A. Ventajas económicas del cultivo de plantas medicinales. Unión Indus. Argentina. Rev. 58(921): 49-51. Sept. 1945. 280.9 Un37

4476 LOSS, B. American Association of Nurserymen. Iowa State Hort. Soc. Trans. (1944) 79: 177-179. 81 Io9

Accomplishments and activities.

4477 MCCLURE, F. A. Bamboo in Ecuador's lowlands. Agr. in the Americas 5: 190-192. 194. Oct. 1945. 1 F752A

Cultivation and utilization.

4478 MEEHAN, A. F. Nursery stock still scarce. Amer. Fruit Grower 65(11): 9. Nov. 1945. 80 G85

4479 MONOGRAFÍAS comerciales: la floricultura en el Estado de Veracruz. Mex. Dir. de Econ. Rural. B. Menz., No. 222, p. 1032-1038. Nov. 1944. 254.5 Ag83

Statistical survey of the industry.

4480 MULLEN, A. J. Hops for importation from Czechoslovakia; we used to be right at the top among the purchasers of Czech hops; war disrupted many phases of the industry - what's the outlook now? Foreign Com. Weekly 21(6): 4-5, 28-29. Nov. 3, 1945. 157.54 F763

4481 PANTON, A. L. The problem of the utilisation of straw for paper making. World's Paper Trade Rev. 124: 895-896, 932, 934. Oct. 19, 1945. 302.8 W89

4482 PROMERSBERGER, W. J. A possible use for North Dakota straw. N. Dak. Agr. Expt. Sta. Bimo. B. 8(1): 14. Sept./Oct. 1945. 100 N813B

4483 ROBERTSON, R. S. Bracken as a raw material; need for co-ordinated research. Farming News and North Brit. Agr. 97(43): 15. Oct. 19, 1945. 10 N82

4484 RUSSELL, A., and OLIVE, C. A preliminary examination of some Peruvian tanning materials. Amer. Leather Chem. Assoc. J. 40: 420-422. Nov. 1945. 303.9 Am32

Includes vegetable tanning materials.

4485 SAUBADIE, P. Utilisons les plantes médicinales. Fed. Pyren. d'Econ. Montagn. Ann. (1940/41, 9: 171-173. 1942. 280.9 F312

4486 TANON, L. a) Sur un produit destiné à remplacer la viande; b) Sur l'emploi d'un antiseptique dans l'utilisation du sucre de raisin pour la fabrication des liqueurs et limonades. Acad. de Méd. [Paris] B. (ser. 3) 125: 282-284. Nov. 18/25, 1941. 448.9 P21

Part a) deals with yeast grown on xylose as a meat substitute.

4487 WELCH, E. S. Our nursery business at Shenandoah, Iowa. Iowa State Hort. Soc. Trans. (1944) 79: 166-171. 81 Io9

Organization and operation of the business.

4488 WHITE, R. P. Overproduction in nursery business. Amer. Nurseryman 82(11): 16-17. Dec. 1, 1945. 80 Am371

4489 WHITE, R. P. Postwar takes form as controls are relaxed...World facing nursery trade is given appraisal. South. Florist & Nurseryman 58 (31): 5-6, 13-15. Oct. 26, 1945. 80 So86

#### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

##### GENERAL

4490 ARGENTINA. CONSEJO AGRARIO NACIONAL. El problema indígena en la Argentina. Argentina. Cons. Agr. Nec. P. 22, 297 p. Buenos Aires, 1945. 281.9 Ar32

Includes lands and settlement. Part II consists of a series of documents relating to agriculture, living conditions, and native settlement.

4491 BARRAU DE LORDE, P. L'économie du pays de Luchon à la veille de la Révolution. Fed. Pyren. d'Econ. Montagn. Ann. (1940/41) 9: 65-84. 1942. 280.9 F312

Includes the rural population and agriculture.

4492 BRITTON, J. C. Economic conditions in Newfoundland. Canada. Dept. Trade and Com. Com. Intel. J. 73: 459-461. Nov. 10, 1945. 286.8 C16

Brief mention of the situation in agriculture.

4493 FRIED, F. Die volkswirtschaftliche Verflechtung von Industrie und Landwirtschaft. Deut. Agrarpolitik 1: 35-39. Nov. 1942. 281.8 D48

4494 HOLMSTRÖM, S. Med svenska agronomer i österled. Lantmannen 29: 697-699, 721-724. Aug. 4-11, 1945. 11 L234

Agriculture and agricultural research and education in Finland.

4495 HOLT, H. Main street and the farmer. Rural Electr. News 11(2): 11, 20, 21. Oct. 1945. 173.2 R88Ru

Need for cooperation between industry and agriculture.

4496 HSU, Y. Y. The Government of Yenan; a study of a Chinese communist area. Sci. and Soc. 9: 289-317. Fall 1945. 280.8 Sc12

Includes local government and agriculture.

4497 HUGHES, E. R. China's economy and future-III. Internatl. Indus. 26: 384-385. (Concl.) Nov. 1945. 382 In8

4498 MANDEL, W. Russia and the peace. New Repub. 113: 664-665. Nov. 19, 1945. 280.8 N

Includes reference to the agricultural situation in U. S. S. R. and land tenure in Eastern Europe.

4499 MEXICO - economic situation in 1944. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 25, 16 p. Washington, 1945. 157.54 In8

Based on a report by L. B. Clark.

Includes agriculture, price control, foreign trade, and forestry.

4500 NEW ZEALAND. DEPT. OF ISLAND TERRITORIES. Report on the administration of the Mandated Territory of Western Samoa, 22d, 1941/45, 17 p. Wellington, 1945. 272 N48

Includes social condition of the natives, land tenure, and agriculture.

4501 REPORT on UNRRA shipments to liberated areas. U. S. Dept. State. B. 13: 546-547. Oct. 7, 1945. 150 B87

Includes allocations for agricultural rehabilitation.

4502 ROMAN, A. UNRRA in China. Far East. Survey 14: 320-324. Nov. 7, 1945. 280.9 In782

Includes agricultural rehabilitation.

4503 SANTOS, G. La industria colombiana, su base económica y social. Unión Indus. Argentina. Rev. 58(921): 34-38, 40-42. Sept. 1945. 280.9 Un37

Discusses industries based on agricultural products, the work of the Instituto de Fomento Industrial, and the work of the Instituto de Crédito Territorial in extending rural housing credit.

4504 SAYRE, F. B. U.N.R.R.A. and its mission. Indian Inform. 17: 187-189. Sept. 1, 1945. 280.8 In25

4505 SCHWEIZERISCHES BAUERNSEKRETARIAT. Rentabilität in der schweizerischen landwirtschaft im erntejahr 1942/1943. Pt. II. Landw. Jahrb. der Schweiz 59: 1-134. 1945. (Statistische Schriften, No. 4.) 17 L23

Text in German and French.

Includes statistics of cost and standard of living, production for home use and for market, crop yields, income, land use, and farm finance.

4506 SHEPARD, C. Y. (II) Solomon Islands. Trop. Agr. [Trinidad] 22: 179-183. Oct. 1945. 26 T754

Includes land tenure and agriculture.

4507 SOCIEDAD RURAL ARGENTINA. La Sociedad Rural Argentina ha hecho llegar al Señor Presidente de la Nación la seria preocupación que le inspira la actual situación económica social. Soc. Rural Argentina. An. 79: 267-269. Apr. 1945. 9 Sol

4508 UNRRA: aims, efforts, accomplishments so far. Foreign Com. Weekly 21(5): 10-11, 49-51. Oct. 27, 1945. 157.54 F763

Based on H. H. Lehman's remarks before the Senate Foreign Affairs Committee.

4509 UNITED NATIONS RELIEF AND REHABILITATION ADMINISTRATION. Report of the Director General to the Council, Jan./Mar. 1945, 74 p. Washington, D. C. 1945. 280.9 Un39

Includes agricultural rehabilitation.

4510 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. EUROPEAN UNIT. Belgium emerging; an appraisal of progress and difficulties one year after liberation. Foreign Com. Weekly 21(8): 3-4, 15, 45-46. Nov. 17, 1945. 157.54 F763

Based upon reports from U. S. Embassy, Brussels.

Includes food and agriculture.

4511 U. S. PRESIDENT (H. S. TRUMAN). The relief and rehabilitation program. U. S. Dept. State. P. 13: 428-429. Sept. 23, 1945. 150 B87

Activities of UNRRA.

#### AGRICULTURAL FINANCE

4512 BANCO NACIONAL DE CRÉDITO AGRÍCOLA, S. A. La guerra y las finanzas agrícolas en Estados Unidos. Mex. Dir. de Econ. Rural. B. Mens., No. 223, p. 1129-1142. Dec. 1944. 254.5 Ag83

4513 COLOMBIA. CONTRALORIA GENERAL. Informe financiero, 1944, 220 p. Bogotá, 1945. 284.9 C72

Includes statistics of funds for State farms, investments in rural properties by the Government, and expenses of the Departamento de Agricultura and other agencies dealing with agriculture.

Library of the U. S. Dept. of Agriculture has also the 1942/43 supplement to this publication, entitled: Estadística Fiscal y Administrativa, 298 p. Bogotá, 1945. It includes receipts from rental of rural properties and expenditures for agricultural services.

4514 FARM CREDIT ADMINISTRATION OF NEW ORLEANS. DIVISION OF RESEARCH. Financial progress of sugarcane-grower members of the South Louisiana Production Credit Association from end of 1939 season to end of 1944 season. Farm Credit Admin. New Orleans. Div. Res. B. 19, 10 p., processed. New Orleans, 1945. 284.29 F224B

4515 MALONE, C. C. Investing for tomorrow. Iowa Farm Econ. 11(10): 11-14. Oct. 1945. 275.28 Ie92

4516 T., G. La part de l'agriculture dans les dépenses de l'état et l'évolution des crédits ouverts en sa faveur depuis 1930. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 1: 226-234. Dec. 1, 1942. 260 Se6

4517 WEILER, E. T. Surveys of liquid asset holdings. Fed. Reserve B. 31: 865-871. Sept. 1945. 173 F31B

A summary of results of two surveys conducted by the U. S. Bureau of Agricultural Economics at the request of the Board of Governors of the Federal Reserve System, to determine attitudes of liquid asset holders among farm and nonfarm families toward their liquid assets.

#### Credit

4518 BANCO NACIONAL DE CRÉDITO AGRÍCOLA, S. A. El crédito agrícola y los campesinos pobres. Mex. Dir. de Econ. Rural. B. Mens., No. 222, p. 1038-1040. Nov. 1944. 254.5 Ag83

4519 BANCO NACIONAL DE CRÉDITO AGRÍCOLA, S. A. Los intereses. Mex. Dir. de Econ. Rural. B. Mens., No. 220, p. 872-874. Sept. 1944. 254.5 Ag83

4520 BANCO NACIONAL DE CRÉDITO EJIDAL, S. A. Calificación de los resultados obtenidos por las sociedades en las operaciones de crédito agrícola. Mex. Dir. de Econ. Rural. B. Mens., No. 221, p. 960-967; No. 222, p. 1041-1042. Oct.-Nov. 1944. 254.5 Ag83

4521 BANCO NACIONAL DE CRÉDITO EJIDAL, S. A. Resultados obtenidos por esta institución en el ejercicio 1943. Mex. Dir. de Econ. Rural. B. Mens., No. 220, p. 874-877. (Cont.) Sept. 1944. 254.5 Ag83

4522 DAVILA, C. Cem anos de cooperativismo. Cooperativismo 5(54): 6. Mar. 1945. 280.28 C7872

Includes agricultural credit in Brazil.

4523 FERNÁNDEZ Y FERNÁNDEZ, R. Banco Nacional de Crédito Agrícola, S. A.; el crédito agrícola en México antes de 1910. Mex. Dir. de Econ. Rural. B. Mens., No. 225, p. 52-55. Feb. 1945. 254.5 Ag83

4524 FERNÁNDEZ Y FERNÁNDEZ, R. Banco Nacional de Crédito Agrícola, S. A.: las recuperaciones en 1944. Mex. Dir. de Econ. Rural. B. Mens., No. 229, p. 460-461. June 1945. 254.5 Ag83

4525 FOSTER, R. L. Basing farm loans on farm income. Agr. Leaders' Digest 26(9): 24, 26. Nov. 1945. 275.28 Am3

4526 GUEVARA, G., E. La caja de crédito agrario. [Colombia.] Vida Rural 7 (74): 22. (Cont.) Sept. 1945. 9.4 V66

4527 HARDING, H. J. Farm equipment credit policies. Burroughs Clearing House 30(1): 18-19, 54-56; (2): 20-22, 62. Oct., Nov. 1945. 284.8 B94

4528 IYANGAR, S. S. R. Co-operative credit societies; a memorandum... on the proposals of the Agricultural Banks Committee for the Establishment of Co-operative Societies (1903). Madras J. Co-op. 37: 45-62. Aug. 1945. 280.28 M26

4529 KLEMMER, R. T. Where farmers borrow; distribution of the Oklahoma farm mortgage debt by type of lender, 1930-1945. Cur. Farm Econ. [Okla. Sta.] 18: 103-105. Oct. 1945. 100 Ok4

4530 LARUE, W. C. 4 1/2 per cent or 35 per cent which will you pay? Prog. Farmer, Car.-Va. Ed. 60(12): 16. Dec. 1945. 6 P945

On production credit associations loans.

4531 LARUE, W. C. How to get loans for buying farms. Prog. Farmer, Car.-Va.-Ed. 60(11): 20, 34. Nov. 1945. 6 P945

Also in Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 76, 84. Dec. 1945. 6 So81

4532 LEURO, A. El crédito para el desarrollo agrícola [Colombia.] Vida Rural 6(61): 19. Aug. 1944. 9.4 V66



4533 LIPA LÓPEZ, S. Banco Nacional de Crédito Ejidal, S. A.: política de cooperativas agrícolas. Mex. Dir. de Econ. Rural. B. Mens., No. 229, p. 462-466. (Concl.) June 1945. 254.5 Ag83

4534 MITCHELL, G. S. Farms for veterans. Mod. Farmer 18(9): 4. Oct. 15, 1945. 6 M725

#### Farm loans.

4535 PACKENIUS, W. F. Abbau der agrarschulden. Deut. Agrarpolitik 1: 131. Jan. 1943. 281.8 D48

4536 PORTO, C. Com dinheiro ou sem dinheiro. Cooperativismo 5(53): 6. Feb. 1945. 280.28 C7872

#### Cooperative agricultural credit in Brazil.

4537 A QUESTÃO agrária; "com o atual sistema de crédito nada é possível fazer!". Observador Econ. e Financ. 10(115): 24-48. Aug. 1945. 280.8 Ob72

#### Round table discussion held in São Paulo.

4538 RESUMEN de las operaciones del Banco Nacional de Crédito Agrícola, con sociedades locales de crédito, en 1943. Mex. Dir. de Econ. Rural. B. Mens. No. 224, p. 1256-1262. Jan. 1945. 254.5 Ag83

4539 ROSEBROUGH, J. J. Indiana Farm; Bureau's farm loan program is expanded. Hoosier Farmer 30(11): 11. Nov. 1945. 280.82 H76

4540 SATTIANATHAN, W. R. S. Recent utterances Cocomada Central Bank, Ltd., silver jubilee celebration. Madras J. Co-op. 37: 65-68. Aug. 1945. 280.28 M26

#### Rural credit.

4541 THOMSON, J. N. Out-servicing Government competition. Banking 38(4): 67, 145. Oct. 1945. 284.8 Am3

Stand of the American Bankers Association on Government subsidized agricultural credit.

### Income

4542 CHINN, R. H. Farmers' own labor earned less in 1944 than in 1943. Hoosier Farmer 30(11): 21, 33. Nov. 1945. 280.82 H76

4543 GILE, B. M. Cotton in relation to better farm incomes. La. State U. La. Rural Econ. 7(4): 1, 6-7. Nov. 1945. 281.9 L93

The parity concept versus acreage restriction as a means of raising farm income in the Cotton Belt.

4544 HEINKEL, F. V. Let's look at the record. Mo. Farmer 37(16): 1, 5. Oct. 15, 1945. 6 M696

Farm income and farm prices.

### Insurance

4545 BISSON, J. E. Les conditions de l'assurance-transport. Terre de Chez Nous 18(4): 27. Oct. 24, 1945. 7 T27

#### Livestock transportation insurance in Canada.

4546 FKH, E. Die verbreitung der hagelversicherung in der Schweiz im Jahre 1941. Landw. Jahrb. der Schweiz 58: 507-514. 1944. 17 L23

4547 FERRACUT, C. Posibilidades del establecimiento de un servicio de seguros sobre las cosechas patrocinado por el Estado. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 28-32. July/Sept. 1945. 8 Ag88Re

4548 SEVERSON, H. Crop insurance...is taking some of the age-old gamble out of farming. South. Agr. 75(12): 36-37. Dec. 1945. 6 So83

4549 STILES, M. K. A. F. U. Alberta Farmers' Union group wants crop insurance. Family Herald and Weekly Star 76(47): 9. Nov. 21, 1945. 7 F21

### Taxation

4550 ARIZONA. TAX COMMISSION. Biennial report, 17th, 1944, 145 p., processed. Phoenix, 1945. 252.05 T19

Includes valuation of agricultural land, livestock, farm equipment, timber, and lumber.

4551 BROWNLEE, J. E. Dominion-Provincial relations and taxation; taxes we like to pay and those we don't discussed. West. Farm Leader 10: 327, 342. Oct. 19, 1945. 280.28 W52

Taxes affecting the Canadian farmer.

4552 FARMER cooperatives and taxation. Citrus 8(3): 12-13, 15. Nov. 1945. 80 C498

4553 GONZÁLEZ, J. A., and GALINDO HERNÁNDEZ, I. Impuestos a la agricultura: Estado de Coahuila. Mex. Dir. de Econ. Rural. B. Mens., No. 225, p. 55-68. Feb. 1945. 254.5 Ag83

4554 GONZÁLEZ, J. A., and GALINDO HERRERA, I. Impuestos a la agricultura: Estado de Durango. Mex. Dir. de Econ. Rural. B. Mens., No. 226, p. 129-138. Mar. 1945. 254.5 Ag83

4555 GONZÁLEZ, J. A., and GALINDO H., I. Impuestos a la agricultura: Estado de Guerrero. Mex. Dir. de Econ. Rural. B. Mens., No. 229, p. 467-474. June 1945. 254.5 Ag83

4556 LESTER, G. M. Cancer at the heart of American business; growth of the co-op; modern piracy on the high seas of trade. Plantation Stockman 3(3): 23, 42. Nov. 1945. 49 P69

Urges taxation of cooperative earnings.

4557 MOORE, T. Here are the facts on 1945-1946 farm income tax. Farmer-Stockman 58: 392. Nov. 1945. 6 Ok45

4558 ROBERTS, A. How to figure repairs and remodeling in your income tax. Poultry Tribune 51(10): 16, 30-31. Nov. 1945. 47.8 P8642

4559 SAAVEDRA, E. (HJU) Los productores y los impuestos a las ganancias elevadas. Diario Rural 5(513): 12. Oct. 3, 1945. 9.9 D54

The question of payment of excess profits tax by farmers in Uruguay.

4560 STOKDYK, E. A. Public interest in the cooperative controversy. Calif. Citrog. 31(1): 4, 32-33. Nov. 1945. 80 C125

#### Taxation.

Similar title in Sunsweet Standard 39(6): 8-11, Nov. 1945. 286.83 Su7

### AGRICULTURAL LABOR AND WAGES

4561 ÅSTRAND, H., and EHNROT, B. Arbetskraft till sockerbetsodlingen år 1944 [Labor for the sugar beet crop]. Socker, v. 1, No. 3, p. 88-109. Malmö, 1945. 65.8 Sol

Summary in English.

4562 ANTONEN, R. Wonderful openings now for hired hands. Dakota Farmer 65(21): 4. Nov. 3, 1945. 6 D14

Opportunities for veterans.

4563 APCHIE, M. L'évolution des salaires agricoles en France depuis 1924. Études Agr. d'Econ. Corporative 1(1): 6-39. July/Aug. 1941. 281.8 Et8

4564 BG. Arbeitseinsatz in der landwirtschaft. Schweiz. Bauernztg. 45: 43-44. Nov. 1945. 280.28 Sch93

4565 BIFRLY, I. R. Chore clinic for poultrymen. Successful Farming 43(11): 24-25, 114-115. Nov. 1945. 6 Su12

Third of a series of articles.

4566 BOWDEN, W. War and postwar wages, prices, and hours, 1914-23 and 1939-44. U. S. Bur. Labor Statis. Monthly Labor Rev. 31: 613-623. Oct. 1945. 158.6 B87M

Includes farm wages and food prices.

4567 BRIEY, P. DE. Migration of indigenous workers in the Belgian Congo. Internatl. Labour Rev. 52: 335-351. Oct. 1945. 283.8 In8

Includes discussion of land policy.

4568 BROOKOVER, W. B. The adjustment of veterans to civilian life. Amer. Sociol. Rev. 10: 579-586. Oct. 1945. 280.8 Am37

Includes farm workers.

4569 BROWNLEE, O. H., and READ, H. Why farmers are interested in full employment. Iowa Farm Econ. 11(10): 9-10. Oct. 1945. 275.28 Io92

4570 CALIFORNIA. DEPT. OF INDUSTRIAL RELATIONS. DIVISION OF LABOR STATISTICS AND LAW ENFORCEMENT. Labor in California, 1943-1944, 111 p. San Francisco, 1945. 283.9 C124L

Includes employment in agriculture and forestry.

- 4571 COURTIER, R. Égalité des salaires entre l'agriculture et l'industrie dans le Département de Seine-et-Marne et dans l'Île-de-France. *Études Agr. d'Econ. Corporative* 1(1): 59-65. July/Aug. 1941. 281.8 Et8
- 4572 DAVIES, R. A. We had a job to do; women and children not only fed the country and kept the farms going - but they improved them. *Soviet Russia Today* 14(7): 16-17, 30. Nov. 1945. 280.9 So89
- 4573 DEGRULL, P. La crise de la main-d'oeuvre rurale. *Prog. Agr. et Vitic.* 115: 305-309. May 4, 1941. 14 P94
- 4574 DENMARK. STATISTISKE DEPARTEMENT. Beskaeftigelses- og arbejdsloshedsforholdene i 1944. *Denmark. Statis. Dept. Statis. Meddel.* (Ser. 4) v. 125, No. 2, 125 p. København, 1945. 257.1 St2M
- Employment and unemployment statistics.
- 4575 DOCUMENTATION statistique sur les salaires agricoles en France depuis 1924. *Études Agr. d'Econ. Corporative* 1(1): 66-202. July/Aug. 1941. 281.8 Et8
- 4576 DUCOFF, L. J., and HAGOON, M. J. Full employment in agriculture. *Agr. Situation* 29(10): 11-14. Oct. 1945. 1 Ec7Ag
- 4577 ESKELSEN, A. Cooperation aids labor. *U and I Cult.* 5(3): 14. Sept. 1945. 66.8 U12
- In planting and harvesting of crops.
- 4578 EWING, J. T. Helpers in the orchard; how workers of varying types from many places responded to the call of the fruit harvest in British Columbia. *Country Guide* 64(11): 56-57, 60. Nov. 1945. 7 G76
- 4579 FABRICANT, S. Labor savings in American industry, 1899-1939. *Natl. Bur. Econ. Res., Inc. Occas. Paper* 23, 52 p. New York, 1945. 280.9 N2150
- Includes agriculture.
- 4580 FERTÉ, J. Étude sur la rémunération du travail agricole dans l'Aisne et sur son rapport avec la rémunération du travail des autres professions et avec les prix des denrées agricoles. *Études Agr. d'Econ. Corporative* 1(1): 40-58. July/Aug. 1941. 281.8 Et8
- 4581 FRANCE. SERVICE NATIONAL DES STATISTIQUES. Renseignements sur les salaires agricoles. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. *Agr.* 1: 61-64. May 1, 1942. 260 Se6
- 4582 HAZLITT, H., SPENCER, W., and WALLACE, H. A. "Sixty Million Jobs;" a radio discussion. *N. Chicago Round Table*, No. 392, 17 p. Chicago, 1945. 290.9 Un34
- Includes agricultural employment.
- 4583 KARPUKHIN, N. Perestroika na voennyi lad. *Sotsialist. Sel'sk. Khoz.* 12(7/8): 19-20. July/Aug. 1941. 281.8 So73
- Work management on the collective farm im. Chkalova in the Moscow region during its adjustment to the wartime economy.
- 4584 KOSOV, V. Za bol'shevistskuiu organizatsiiu uborki khlopka. *Sotsialist. Sel'sk. Khoz.* 12(9): 17-21. Sept. 1941. 281.8 So73
- Organization and management of work on the collective farms in harvesting cotton.
- 4585 LABOR conditions in Japan. *Monthly Labor Rev.* 61: 651-668. Oct. 1945. 158.6 B87M
- Includes farm labor.
- 4586 LAIRD, SIR P. Women's Land Army: an appreciation. *Scot. Home and Country* 21: 157. Oct. 1945. 281.28 So3
- 4587 LANUSSE, L. G. Los salarios en la campaña argentina. *Soc. Rural Argentina. An.* 79: 523-525. July 1945. 9 So1
- 4588 LENHART, M. W. Analyzing labor requirements for California's major seasonal crop operations. *J. Farm Econ.* 27: 963-975. Nov. 1945. 280.3 J822
- 4589 MACCOLL, E. D. El significado de la Asamblea Rural del 31 de agosto. *Diario Rural* 4(510): 14. Sept. 5, 1945. 9.9 D54
- Discusses the 8-hour strike of rural workers and the significance of the conference of the Federación Rural as an example of rural solidarity in Uruguay.
- 4590 MACCOLL, E. D. El verdadero significado del paro ganadero. *Diario Rural* 4(513): 16. Sept. 15, 1945. 9.9 D54
- Uruguay.
- 4591 MCCORD, J. E. Shortage of year-round workers is hampering farmers. *Pa. Grange News* 42(7): 4. Oct. 1945. 6 P38
- 4592 MACLAREN, P. My ladder days as a member of the Ontario Farm Service Force sees them. *Farmer's Mag.* 42(10): 9, 47-49. Oct. 1945. 7 C165
- Use of women to harvest peaches.
- 4593 MCLEAN, F. A rural county looks to the future. *Agr. Situation* 29(10): 15-17. Oct. 1945. 1 Ec7Ag
- Summary of findings of survey to determine employment possibilities in Augusta County, Va.
- 4594 MAKAROV, A. Chem krepche tyl, tem blizhe pobeda. *Sotsialist. Sel'sk. Khoz.* 12(7/8): 15-18. July/Aug. 1941. 281.8 So73
- Labor on the collective farms in wartime.
- 4595 MARENKOV, M. Polnost'fu i bez poter' ubrat' urozhai kartofelia. *Sotsialist. Sel'sk. Khoz.* 12(7/8): 61-62. July/Aug. 1941. 281.8 So73
- Work management in harvesting potatoes on the collective farms.
- 4596 MEAD, C. M. All hands help Perkins County harvest a four million bushel wheat crop. *Nebr. Farmer* 87(20): 4, 23. Oct. 20, 1945. 6 N27
- 4597 MERCHANT, C. H. The agricultural situation. *Maine. Agr. Col. Ext. Farm Econ. Facts*, No. 60, p. 1317-1319, processed. Oct. 1945. 275.29 M281F
- Effect of high industrial wages on farm wages.
- 4598 METZGER, C. H. Our labor supply. *Iowa State Hort. Soc. Trans.* (1944) 79: 369-371. 81 Io9
- Discussion, p. 371-378.
- 4599 MILBURN, V. S. The farmer and labor [Canada]. *Rural Co-op.* 10(4): 3. Oct. 23, 1945. 280.28 R88
- 4600 MOORE, A. C. Make poultry work more pleasant. *Poultry [London]* 97: 198. Sept. 25, 1945. 47.8 P869
- Improvement of conditions for workers.
- 4601 MOORE, L. J. Are you interested in trouble? Do you crave worry? Is your digestion getting worse? Then ... buy a farm. *Plantation Stockman* 3(3): 19, 57. Nov. 1945. 49 P69
- Farm labor.
- 4602 PARRISH, J. B. Employment trends in seven North Central States, 1939-45. *Monthly Labor Rev.* 61: 695-707. Oct. 1945. 158.6 B87M
- 4603 POWELL, T. H. Injustice to girls of the Land Army. *West Austral. Wheatgrower* 15(11): 5. July 5, 1945. 23 W523
- Lack of rehabilitation and employment assistance for Australian Land Army women.
- 4604 PROFIT-SHARING on 5000-acre farm; the Fordson Estate at Boreham [Essex]. *Farming News and North Brit. Agr.* 97(42): 2. Oct. 12, 1945. 10 N82
- 4605 THE REGULATION of conditions of work in French agriculture. *Internatl. Labour Rev.* 52: 383-384. Oct. 1945. 283.8 In8
- 4606 RENSINK, R. J. Students aid farmers. *Agr. Ed. Mag.* 18: 111. Dec. 1945. 275.3 Ag3
- 4607 RIBERA CHEVREMENT, J. J. Entrevistas obreras: un rato de charla con el presidente de la delegación de la Federación Nacional de Trabajadores Azucareros de Cuba, Señor Faustino Calcines. *Puerto Rico. Dept. del Trab. Not. del Trab.* 4(78): 1-2. Oct. 15, 1945. 283.9 P962N
- Problems of sugar workers in Cuba and Puerto Rico.
- 4608 SAMMER, K. Landarbeitsjubilare werden geehrt. *Deut. Agrarpolitik* 1: 62. Nov. 1942. 281.8 D48
- 4609 SERGEEV, P. Perestroika rabotu kolkhozov na voennyi lad [Reorganization of work on the collective farms for wartime]. *Sotsialist. Sel'sk. Khoz.* 12(7/8): 8-14. July/Aug. 1941. 281.8 So73



4610 SILIN, A. Ob uborkе sakharnoi svely. Sotsialist. Sel'sk. Khoz. 12(9): 26-28. Sept. 1941. 281.8 So73

Work management in sugar-beet harvesting.

4611 SMITH, R. J. Paying lemon pickers by the tree size and production. Calif. Citrog. 31(1): 5, 30. Nov. 1945. 80 C125

4612 TIKHONOVICH, V. Kolkhoznafā pomoshch' frontu. Sotsialist. Sel'sk. Khoz. 12(7/8): 21-24. July/Aug. 1941. 281.8 So73

Planning and management of labor in the kolkhoz im. Stalina of the Moscow region during its transition to the wartime economy.

4613 UNIÓN DE PRODUCTORES HENEQUENEROS. El problema del salario insuficiente a los trabajadores de los equipos defibradores. Sisal de Yucatan 6 (68): 20-21. Aug. 1945. 73.8 S183

4614 U. S. BUREAU OF THE CENSUS. Off-farm work of farm operators and members of their households: 1943. U. S. Bur. Census. Ser. Census-BAE, No. 6, 4 p., processed. Washington, 1945. 157.41 S62

4615 WILLS, J. E. Sweet corn harvesting operations. Ill. Agr. Col. Ext. AE 2183, 7 p., processed. n. p., 1944. 275.29 IL62P

Time and motion study.

4616 Z., H. Ein molkereiarbeiter spricht...! Schweiz. Milchztg. 71: 340. Sept. 25, 1945. 44.8 Sch92

Wages in the dairy industry in Switzerland.

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

4617 ADAIR, W. F. A. O.'s aims for world farming. Farming News and North Brit. Agr. 97(43): 2. Oct. 19, 1945. 10 N82

4618 ALDREY, O. A. "El Poder Ejecutivo" anhela conocer en forma clara la auténtica opinión de las fuerzas vitales de nuestra economía, y ha podido así rectificar errores o perfeccionar procedimientos." Argentina. Min. de Agr. Noticioso 10: 59-60. Aug. 20, 1945. 9 Ar311N

Agricultural policy.

4619 ALVAREZ FUENTES, G. En el surco. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 3, 54. July/Sept. 1945. 8 Ag88Re

Agricultural policy.

4620 ANGULO, V. Tonosí pueblo olvidado. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5 (49): 22. Sept. 1945. 8 R3291

Agricultural conditions in the village of Tonosí.

4621 ARENTSEN, S. S. Un viaje a Rapa-Nui. Simiente 14(3/4): 11-14. 3rd-4th quarter, 1944. 9.3 S14

Includes agriculture in Chile.

4622 BEHRENS, G. Schicksalswende der nation - schicksalswende des landvolkes. Deut. Agrarpolitik 1: 101-104. Jan. 1943. 281.8 D48

Agricultural policy.

4623 BENNINK, H. A. Farming [in Holland] under the swastika. Pt. I. Rural New Yorker 94: 462, 468. (To be cont.) Oct. 20, 1945. 6 R88

4624 BISSON, J. E. Comment la guerre a influence l'agriculteur au Danemark. Terre de Chez Nous 18(7): 23. Nov. 14, 1945. 7 T27

4625 BROCK, A. A. Reviewing new laws affecting California agriculture. Calif. Grange News 14 (21): 17. Nov. 5, 1945. 6 C128

4626 CAZIOT, P. L'organisation corporative de l'agriculture; exposé du ministre de l'agriculture. Prog. Agr. et Vitic. 114: 417-419. Dec. 22-29, 1940. 14 P94

4627 CAZIOT, P. Quelques aspects de la situation agricole en France. Prog. Agr. et Vitic. 114: 398-399. Dec. 15, 1940. 14 P94

4628 CERRILLO Y QUILEZ, F. El año agrícola según la ley, la jurisprudencia y la doctrina. Surco [Madrid] 4(41): 13-14. July 1945. 15 Su7

4629 CRISE estructural agrícola. Observador Econ. e Financ. 10(115): 63-79. Aug. 1945. 280.8 Ob72

Brazil.

4630 DARLOW, A. E. First-hand observations on British agriculture; an impressive war-time job done. Amer. Hereford J. 36 (13): 40. Nov. 1, 1945. 43.8 Am32

4631 DAUPHINEE, J. Britain's new agricultural policy. Farmer's Mag. 42(11): 41-43. Nov. 1945. 7 C165

4632 DAVIS, J. S. What kind of an agriculture does America want? Northwest. Miller 224(9): 7, 18, 22, 26-27, 30. Nov. 27, 1945. 298.8 N81

4633 DEGRULLY, P. Le problème du ravitaillement. Prog. Agr. et Vitic. 115: 386-388. June 1, 1941. 14 P94

4634 EGGELE, J. A. Das landvolk im dienste der aufrüstung. Deut. Agrarpolitik 1: 105-108. Jan. 1943. 281.8 D48

Agricultural program.

4635 EISENHOWER, D. D. German economy today presents acute problems. Foreign Com. Weekly 21(4): 5-7, 38-41. Oct. 20, 1945. 157.54 F763

Includes the food situation and a new agricultural program for the country.

4636 ELEAZER, J. M. South Carolina's far-fung [agricultural] progress. Prog. Farmer, Car.-Va. Ed. 60(12): 14, 85. Dec. 1945. 6 P945

4637 ELEAZER, J. M. Watching South Carolina farm progress. Prog. Farmer, Car.-Va. Ed. 60(11): 14. Nov. 1945. 6 P945

4638 ELLIS, F. E. Whither the Maritimes? Family Herald and Weekly Star 76(47): 3-4. Nov. 21, 1945. 7 F21

Includes agriculture.

4639 EVERILL, K. La cooperación internacional y la industria agrícola. Res 13: 17831-17832. Aug. 20, 1945. 286.85 R31

4640 FAUCHER, D. L'agriculture des Pyrénées françaises; caractères généraux. Fed. Pyren. d'Econ. Montagn. Ann. (1939) 8: 15-30. 1940. 280.9 F312

4641 HEIMPEL, L. G. Newfoundland expands farm areas. Macdonald Col. J. 6(1): 2, 8. Sept. 1945. 101 M144

4642 HELLMUTH, O. Ein gau fördert die landwirtschaft. Deut. Agrarpolitik 1: 108-110. Jan. 1943. 281.8 D48

Agricultural program of Gau Mainfranken.

4643 HENRY, T. La agricultura moderna reclama total evolución en sus prácticas. Uruguay. Min. de Ganad. y Agr. B. Inform. 2(80): 317. Aug. 9, 1945. 9.9 G15B

4644 HENSON, E. R. Europe's farms. West. Grower and Shipper 16(12): 16, 24-25. Nov. 1945. 280.38 W52

An account of the agricultural conditions in Poland, Czechoslovakia, Yugoslavia, and Greece and of the work done by the United Nations Relief and Rehabilitation Administration.

4645 IYENGAR, R. R. South African agriculture. Madras J. Co-op. 37: 89-93. Sept. 1945. 280.28 M26

4646 JAMES, D. L. Future of American agriculture. Times Argentina 45(2596): 18-19. Apr. 5, 1943. 286.8 T48

4647 JOHNSON, N. W. Wartime experience in production adjustment research and future possibilities. J. Farm Econ. 27: 903-922. Nov. 1945. 280.8 J822

Discussion, by G. A. Pond, p. 923-924; by J. B. Andrews, p. 924-927.

4648 KARNAUKHOVA, E. Razmeshchenie sel'skogo khozfaistva Povolzh'ia [Distribution of agriculture in the Volga area]. Sotsialist. Sel'sk. Khoz. 12(6): 12-26. June 1941. 281.8 So73

4649 THE KEY to world prosperity. Farmers Weekly [London] 23(19): 23-26. Nov. 9, 1945. 10 F2226

Summary of the Agricultural Policy Report of the National Farmers' Union.

- 4650 KOLESNEV, S. G. Osnovnye voprosy razmeshcheniya sel'skokhoziaistvennogo proizvodstva v SSSR [Fundamental questions in allocating agricultural production in USSR]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriyazeva. Dok. No. 1, p. 122-127. Moskva, 1945. 20 M857
- 4651 KONDOV, N. K. Bŭlgarskoto zemedelsko stopanstvo i negovite otnosheniya s pazara [Bulgarian agricultural economy and its relation to the market]. God. na Zemedel.-Stopanskite Izsled. i Opitni Inst. v Bulgariya (1943) 3: 1-62. Ref. 21 B8722
- Title and summary in German.
- 4652 KONSTANTINOV, P. N. K voprosu o sel'skokhoziaistvennom raionirovani. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriyazeva. Dok. No. 1, p. 128-130. Moskva, 1945. 20 M857
- Policies and programs.
- 4653 LLINAS, J. N. La intervención del Estado en los productos agropecuarios debe ser estimularlos. Cult. Agr. 4(43): 9, 12, 15. Apr. 1945. 9.4 C89 Colombia.
- 4654 MCCONKEY, O. M. Agriculture and war in the Rhineland. Farmer's Mag. 42(10): 51. Oct. 1945. 7 C165
- 4655 MCMILLAN, R. B. The end of the war - agriculture's reconversion problems [Australia]. Rev. Mktg. Agr. Econ. (n. s.) 13: 232-237, processed. Sept. 1945. 286.8 M47M
- 4656 MAESTRI, R. Habla el nuevo presidente de los colonos, Aurelio Alvarez. Tierra Libre 9(6): 4-5. June 1945. 8 T443
- The farm problem in Cuba.
- 4657 MANNING, S. A. Co-ordinating farm and forest policies. Estate Mag. 45: 264-265. Oct. 1945. 10 E88
- Great Britain.
- 4658 MILBURN, V. S. New "charter of the land." Rural Co-op. 10(6): 3. Nov. 27, 1945. 280.28 R88
- British agricultural policy.
- 4659 MOISEEV, M. Rasshirit' proizvodstvo tekhnicheskikh kul'tur na Vostoke. Sotsialist. Sel'sk. Khoz. 12(9): 3-9. Sept. 1941. 281.8 So73
- Planning the increase of production of industrial crops in the East.
- 4660 NATTA MAGLIONE, J. V. La evolución de nuestra agricultura [Argentina]. Campo y Arado 1(5): 21. Aug. 1945. 9 C152
- 4661 NEEL, L. R. The road ahead; you may not like all you see, but it will pay you to open your eyes to what's coming in the next few years. South. Agr. 75(12): 11, 63. Dec. 1945. 6 So83
- 4662 NESBITT, L. D. The West and the war. West. Farm Leader 10: 329, 342-343. Oct. 19, 1945. 280.28 W52
- Canadian wartime agricultural production.
- 4663 NOBLE, C. V. We are planning ahead for Florida agriculture. Fla. Grower 53(11): 10, 12. Nov. 1945. 80 F6622
- 4664 OLIVEIRA, B. DE. Reconhecimento geográfico. Observador Econ. e Financ. 10(114): 110-113. July 1945. 280.8 O672
- Section on agriculture.
- 4665 P., G. Landwirtschaft - urfunktion der volkswirtschaft. Deut. Agrarpolitik 1: 33-34. Nov. 1942. 281.8 D48
- Agriculture in the German philosophy.
- 4666 PANORAMA do Espírito Santo. Observador Econ. e Financ. 10(116): 119-128. Sept. 1945. 280.8 O672
- Includes agriculture.
- 4667 PEACE - so what? A peep at post-war production prospects, by Yeoman. New Zeal. Farmer Weekly 66(14): 14. Sept. 6, 1945. 23 N484
- Agriculture.
- 4668 PEET, F. H. Agriculture reconversion. Conn. Circle 8(10/11): 70. Oct./Nov. 1945. 280.8 C7632
- 4669 PERERA, C. E. Aspectos importantes de la agropecuaria tocó el Señor Carlos E. Perera. Diario Rural 4(516): 6. Sept. 26, 1945. 9.9 P54 Uruguay.
- 4670 PERU. PRESIDENT. Mensaje del Presidente de la República al Congreso en 28 de Julio último; párrafos relacionados con la agricultura. Vida Agr. 22: 719, 721, 723-727. Aug. 1945. 9.8 V66
- 4671 PHILLIPS, R. W. Impressions of India. Sci. Monthly 61: 397-412. Nov. 1945. 470 Sci23
- Includes discussion of agriculture with special attention to livestock production.
- 4672 UN PLAN para intensificar la producción agropecuaria; medidas generales. Rev. de Econ. Argentina 44: 405-410. Aug. 1945. 280.8 R325
- 4673 POTVIN, J. B. L'agriculture dans Champlain-Sud. Terre de Chez Nous 18(6): 12. Nov. 7, 1945. 7 T27
- 4674 RAYMALLEY. Some rural contrasts, north eastern U. S. A. and New Zealand. Rev. Soc. New Zeal. Trans. and Proc. 75(1): XLIV. June 1945. 514 W46
- 4675 RICHARDSON, T. C. What will happen to the farmer depends on which farmer? Farmer-Stockman 58: 404. Nov. 1945. 6 Ok45
- 4676 ROBINSON, G. S. British farming in wartime. New Zeal. J. Agr. 71: 127-130. Aug. 15, 1945. 23 N48J
- 4677 RUELLÉ, L. L'agriculture méridionale et les circonstances actuelles. Prog. Agr. et Vitic. 114: 142-145. Sept. 15, 1940. 14 P94
- 4678 RUELLÉ, L. Remplacement des vignes arrachées et semailles d'automne. Prog. Agr. et Vitic. 114: 193-197. Oct. 6, 1940. 14 P94
- 4679 SEXAUER, F. H. American farmer's contribution to advance of civilization. N. Y. State Grange J. Proc. (1944) 72: 87-93. 4 N483
- 4680 SMITH, E. K. Chinese foundries. Far East. Survey 14: 325. Nov. 7, 1945. 280.9 In782
- Notes importance of agriculture in China.
- 4681 SOCIEDAD RURAL ARGENTINA. OFICINA DE ESTUDIOS E INVESTIGACIONES ECONÓMICAS. El esfuerzo bélico del Reino Unido. Soc. Rural Argentina. An. 79: 445-448. June 1945. 9 So1
- 4682 SOSENSKII, I. Degradatsiya sel'skogo khoziaistva SSHA [Decline of agriculture in USA]. Sotsialist. Sel'sk. Khoz. 12(6): 69-77. June 1941. 281.8 So73
- 4683 SUMMERS, T. H. Today's Colorado farm situation. Colo. State Col. Agr. Ext. Colo. Ext. Rec. 15(16): 2, 4. Nov. 5, 1945. 275.29 C71Rx
- 4684 TEIXEIRA, L. P. Histórico da agricultura no Para (do século XVII até o ano de 1922). Brazil. Dept. Mac. de Prod. Veg. Secç. de Fomento Agr. no Para. B. 3(2): 43-52. July/Dec. 1944. 9.2 B7362
- 4685 THIERY, P. L'avenir agricole des Pyrénées. Fed. Pyren. d'Econ. Montagn. Ann. (1939) 8: 31-44. 1940. 280.9 F312
- 4686 TINDALL, C. Farming can last forever with the program Joplin is boosting. Mo. Ruralist 86(22): 5, 15. Nov. 24, 1945. 6 R8891
- 4687 TORRES FILHO, A. As forças da produção agrícola e pecuária do país. Brazil. Min. do Trab., Indús. e Com. B. 11(127): 143-159. Mar. 1945. 255.3 B7374
- 4688 TOWILL, B. [A. H.] Ewen speaks to clubs on British agriculture. Saskatchewan Farmer 36(20): 3. Nov. 1, 1945. 7 Sa74
- 4689 VERGARA BROCE, B. Despertar agrícola. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(49): 21. Sept. 1945. 8 R3291
- Agriculture in the town of La Palma.
- 4690 WALTER, A. Die nationalsozialistische agrarpolitik und die neuordnung Europas. Deut. Agrarpolitik 1: 123-125. Jan. 1943. 281.8 D48
- 4691 WILLIAMS, F. A. Some basic agricultural problems facing Negroes of Louisiana. South. U. B. 31(3): 22-30. Mar. 1945. 276. L932B



4692 WILLS, N. R. Regional administration of agriculture in New South Wales. Rev. Mktg. Agr. Econ. (n. s.) 13: 244-248, processed. Sept. 1945. 286.8 N47M

4693 WYLIE, K. H. Lerma-Santiago River Basin - Mexico. Agr. in the Americas 5(11): 220, 216, 217. Nov. 1945. 1 F752A  
Includes agriculture.

#### Agriculture, Postwar

4694 DEWEY, T. F. Breeding 10,000-lb. cows, etc. Breeder's Gaz. 110(10): 7, 32. Nov. 1945. 49 B74

Postwar agriculture.

4695 FEISST, E. Regards sur les travaux préparatoires destinés à garantir l'existence de l'agriculture après la guerre. Landw. Jahrb. der Schweiz 58: 299-316. 1944. 17 L23

Includes the bases and purposes of new agricultural legislation.

4696 NORTH DAKOTA. POST-WAR PLANNING BOARD. Report, 1944, 59 p. Bismarck? 1944. 280.9 N817

Includes rehabilitation program for returning veterans and agriculture.

4697 NORTON, L. J. Economic considerations in the transition from war to peace. Ill. Agr. Col. Ext. AE 2233, 7 p., processed. n. p., 1944. 275.29 IL62P

Discussion of farm prices, income and production.

4698 SOCIEDAD NACIONAL AGRARIA. Política agrícola de post-guerra. Vida Agr. 22: 547-561. July 1945. 9.8 V66

Peru.

4699 TEUTSCH, W. L. Postwar agricultural problems. (Address) Norbest Turkey News 10(4): 1, 3, 6. Nov. 1945. 47.38 N75

#### Subsidies

4700 ADAIR, W. Effects of budget on farming; food subsidies exceed total tax concessions in Great Britain. Farming News and North Brit. Agr. 97(45): 3. Nov. 2, 1945. 10 N82

#### COST AND STANDARD OF LIVING

4701 BUDOLFSON, M. Iowa farm families spent more in '44; an analysis of the home account records kept by 126 farm families. Iowa Farm Econ. 11(10): 6-7. Oct. 1945. 275.28 I692

4702 TORRES, V. Sociologia da cana de açúcar. Brasil Açucareiro 25: 582-584. June 1945. 65.8 B73  
Social conditions in the sugar-growing areas.

#### FARM MANAGEMENT AND LAND ECONOMICS

4703 ABEL, P. M. Watch Denmark's comeback! Not content with prewar standards Danish farmers are already crossing new frontiers in scientific agriculture. Country Guide 64(11): 5, 30-31. Nov. 1945. 7 G76

4704 ARALICHEV, I. Siberian collective farm. Saskatchewan Farmer 36(19): 11. Oct. 15, 1945. 7 Sa74

4705 ARIZONA. STATE LAND DEPT. Annual report, 33d, 1944/45, 26 p. Phoenix, 1945. 252.05 L22

4706 BALL, W. V. How to run a half-acre part-time holding. Poultry Farmer (London) 113(2939): 6-7. (To be cont.) Oct. 19, 1945. 47.8 F312

4707 BENTLEY, J. Part-time farming. Prairie Farmer, Ind. Ed. 117(23): 29. Nov. 10, 1945. 6 P883C

4708 BERNON, G. Sur l'utilisation des terres à vignes. Prog. Agr. et Vitic. 115: 147-150. Mar. 2, 1941. 14 P94

Suggested substitution of fruit for grape culture in France.

4709 BEURDELEY, M. Les droits des propriétaires en face de la loi du 18 juillet 1941 sur l'expropriation en vue de l'établissement de terrains de sport. Prog. Agr. et Vitic. 116: 232-235. Nov. 9, 1941. 14 P94

4710 BRADFORD, L. A. Twelve month's work; spread out your farm work if you want to make it pay. South. Agr. 75(12): 38. Dec. 1945. 6 So83

4711 BROYLES, C. W. All set; Johnson county, Tennessee, farmers had the solutions to the problems of reconversion in hand even before the war started. South. Agr. 75(11): 11. Nov. 1945. 6 So83  
Diversified farming.

4712 BULL, A. D. Poor sandy land farm. Farmer Stockman 58: 462-463. Dec. 1945. 6 Ok45  
Farm management.

4713 BURDICK, R. T. How fathers and sons can agree. West. Farm Life 47(17): 3, 12. Oct. 15, 1945. 6 R153

Father-son farming agreements.

4714 BURT, S. So you're going ranching! Sat. Evening Post 218(20): 22-23, 89-91. Nov. 17, 1945. 110 S

Advice to veterans.

4715 BURUM, D. H. Kulani...virgin territory; prison laborers will soon be farming thousands of acres of fertile land on the big island of Hawaii. Timber resources are unlimited, too. Hawaii Farm and Home 8(10): 2-3. Oct. 1945. 25 H3191

4716 BUSINESS principles. By "The Fenman." Poultry (London) 97: 217. Oct. 2, 1945. 47.8 P869  
Fourth of a series.

Business methods in poultry farming.

4717 CASTILLA DE A., A. La pequeña propiedad es revolucionaria. Campo de Méx. 1(3): 3. Oct. 16, 1945. 8 C155

4718 COSLINE, H. L. A family farm—but big. Amer. Agr. 142: 468. Nov. 3, 1945. 6 Am3

4719 COSLINE, H. L. Nothing but potatoes. Amer. Agr. 142: 462. Nov. 3, 1945. 6 Am3  
Description of a potato farm in Williamstown, N. Y.

4720 COULONDRE, E. Obligation de cultiver un dixième de chaque propriété viticole en cultures autres que la vigne. -- Conséquences. Comment avoir, dans ce cas, de belles céréales même dans le Midi. Prog. Agr. et Vitic. 114: 95-98. Aug. 25, 1940. 14 P94

4721 CROSBY, J. Substitute cultural practices. Calif. Cult. 92: 606-607. Nov. 10, 1945. 6 C12  
Use of substitute crops to cut expenses.

4722 DUDLEY, A. L. Raising cattle on shares. Hoard's Dairymen 90: 676. Nov. 25, 1945. 44.8 H65

4723 ELLIS, F. E. He's farming and he's happy; former poultry official has gone back to the farm and enjoys his freedom. Family Herald and Weekly Star 76(44): 3, 4, 8. Oct. 31, 1945. 7 F21

4724 F., H. S. His sons like the farm. Country Guide 64(11): 9, 41. Nov. 1945. 7 G76  
Description of a Canadian farm.

4725 F., H. S. Science will raise farm income. Country Guide 64(11): 23. Nov. 1945. 7 G76  
Improvements in farm methods.

4726 FIROR, J. W. Facts for veterans. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(11): 71. Nov. 1945. 6 P945G

Farm purchase.

4727 FIROR, J. W. Veterans on the farm; returning servicemen who plan to farm need sound professional advice. South. Agr. 75(12): 26. Dec. 1945. 6 So83

4728 FLEURY, F. Chez le lauréat de la Médaille d'Argent. Terre de Chez Nous 17(52, 1. e. 51): 8. Sept. 26, 1945. 7 T27

Farm management by Ernest Roy of Quebec.

4729 GARDENER, P. Quits at six and makes it pay; by careful planning and full use of equipment - much of it home made - Waterloo County farmer keeps reasonable hours and saves money. Farmer's Mag. 42(11): 9, 43, 48-49. Nov. 1945. 7 C165

Canada.

- 4730 GARDNER, P. A. Success story. Rural Co-op. 10(3): 6. Oct. 9, 1945. 280.28 R88  
Farm management by Alex M. Stewart of Canada.
- 4731 GOMEZ MARZHEIMER, G. Sinopsis de la estructura agraria rusa. Simiente 14(3/4): 29-34. 3rd-4th quarter, 1944. 9.3 S14  
Includes collective farming.
- 4732 GREENE, S. H. Do it yourself! West. Dairy J. 1(9): 12. July 1945. 44.8 W524  
Opportunities for veterans in dairy farming.
- 4733 HALLIWELL, M. Big-time farming, 90 minutes from Broadway. Better Farms 6(10): 3. Oct. 15, 1945. 6 B462  
Long Island Farmers' Institute.
- 4734 HANLY, W. B. Oklahoma grows fine fruit, too. Farmer-Stockman 58: 477. Dec. 1945. 6 Ok45  
Tells about fruit farm in Alfalfa County, Okla.
- 4735 HANLY, W. B. Teamwork helps farm family to security. Farmer-Stockman 58: 415. Nov. 1945. 6 Ok45
- 4736 HJELM, L. Jordbrukets kapitalfråga; ett hittills allt för ringa uppmärksammat område. Lantmannen 29: 859-861. Sept. 29, 1945. 11 L234  
Capital investment in Swedish agriculture.
- 4737 HURST, F. J. Cattle, rice, cotton and sweet potatoes--O. L. Pollingue upholds a high honor--the Master Farmer award. Prog. Farmer, Miss.-Ark. La. Ed. 60(11): 14. Nov. 1945. 6 So81  
Operation of farm in St. Landry Parish, La.
- 4738 HURST, F. J. Mrs. Bottcher "carried on." Prog. Farmer, Ga.-Ala.-Fla.-Ed. 60(11): 14. Nov. 1945. 6 P945G
- 4739 HURST, F. J. What makes these Mississippi farms tick? Is it fertile soil? Is it crops and livestock and machinery? Or is it the men who operate them? Prog. Farmer, Miss.-Ark.-La. Ed. 60(12): 14-15. Dec. 1945. 6 So81
- 4740 HUTCHESON, T. B. How a "worn-out" Virginia farm came back! Prog. Farmer, Car.-Va.-Ed. 60(11): 63. Nov. 1945. 6 P945
- 4741 HUTCHESON, T. B. Seven ways to prepare for 1946 farming. Prog. Farmer, Car.-Va. Ed. 60(12): 68. Dec. 1945. 6 P945
- 4742 I LIVE at "Orphan Farm"; what happens when a prosperous small farm is taken into a large group and carried on on multiple-farm lines. By "Claudius." Farmers Weekly [London] 23(16): 29. Oct. 19, 1945. 10 F2226
- 4743 JACKS, H. Rumanian farming; effort to build on democratic lines. New Zeal. Farmer Weekly 66(15): 10-11. Sept. 20, 1945. 23 N484
- 4744 JORDAN, W. T. The Elisha F. King family planters of the Alabama black-belt. Agr. Hist. 19: 152-162. July 1945. 30.98 Ag8
- 4745 KOSTROV, N. I. Osobennosti organizatsii ovoshevodcheskikh kolkhozov v prigorodnoi zone Moskvy. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok., No. 1, p. 137-139. Moskva, 1945. 20 M857  
Organization of collective farms in the Moscow suburban area for the production of vegetables.
- 4746 LAW PROVIDING land for farmers in Turkey. Monthly Labor Rev. 61: 759-761. Oct. 1945. 158.6 B87M  
Data from reports from U. S. Embassy, Ankara.
- 4747 LITTON, J. G. A farmer's viewpoint. Agr. Ireland 3: 136-139. Nov. 1945. 10.5 Ag8  
Dairy farm management.
- 4748 MÄNSSON, E. Räcklunda Norrgräfd - en öst-götägendom med mångsidig växtodling. Lantmannen 29: 913-915. Oct. 13, 1945. 11 L234  
Description and management of Swedish farm.
- 4749 MAESTRI, R. Cana sin bueyes. Tierra Libre 9(6): 18-19. June 1945. 8 T443  
Management on the "Monte Fresco" estate in Cuba.
- 4750 MAKAROV, M. The story of a collective farm. Land Worker 26(317): 3. Oct. 1945. 283.8 I22
- 4751 MATTHEWS, B. C. What about farming? O. A. C. Rev. 58(1): 11, 14, 38-39. Oct. 1945. 276.8 On8  
Farming as an occupation.
- 4752 MERZLOV, A. I. Opyt organizatsii i oplaty truda v kolkhozakh [Experiment in organization and payment of labor on the collective farms]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok., No. 1, p. 143-144. Moskva, 1945. 20 M857
- 4753 MITCHELL, J. Farming gives wide opportunities to veterans. Mod. Farmer 18(9): 5. Oct. 15, 1945. 6 M725
- 4754 MOORE, A. C. Poultry farm reconstruction. Poultry [London] 97: 150. Sept. 4, 1945. 47.8 P869
- 4755 MUNDHE, B. B. The Rabari Colony, Bellasar - part III. Indian Farming 6: 350-352. Aug. 1945. 22 In283  
Management.
- 4756 PEREZ MONTENEGRO, J. La explotación racional de un tambo. Uruguay. Min. de Canad. y Agr. B. Inform. 2: 324, 326. Aug. 16, 1945. 9.9 G15B  
Management of a dairy farm.
- 4757 RANGEL LAMUS, A. La cuestión agraria. Rev. Pecuaría, No. 81/82, p. 33-37, 39. (To be cont. Land reform and the latifundia in Venezuela.
- 4758 RUDAKOVA, E. Tovarnost' v kolkhozakh Moskovskoi oblasti. Sotsialist. Sel'sk. Khoz. 12(6): 27-31. June 1941. 281.8 So73  
Production for sale on the collective farms of the Moscow region.
- 4759 SINKS, A. H., and SAMONISKY, H. Farm partners wanted. Country Gent. 115(11): 14, 79-80. Nov. 1945. 6 C833  
Includes an account of the management of the chicken farms of J. G. Townsend, Jr., South Delaware.
- 4760 STEELE, C. F. Sideline crops bring millions in cash to farmers of southern Alberta. Farm and Ranch Rev. 41(10): 8. Oct. 1945. 7 F223
- 4761 SURO, G. A. El código agrario mexicano. Museo Social Argentino. B. 33: 239-256. July/Aug. 1945. 516 B862  
Land reform and the land system.
- 4762 SYME, P. S., and BARRER, P. R. Studies in farm management; town milk supply. New Zeal. J. Agr. 71: 155, 157-164. Aug. 15, 1945. 23 N48J  
Dairy farm management.
- 4763 VAUGH, M. A new experimental farm. Allahabad Farmer 19: 51-57. May 1945. 22 AL5  
Management of the farm at the Allahabad Agricultural Institute.
- 4764 VESNIK, M. I. Uroven' intensivnosti sel'skokhoziaistvennogo proizvodstva v kolkhozakh Moskovskoi oblasti. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok., No. 1, p. 134-136. Moskva, 1945. 20 M857  
Intensive farming on the collective farms of the Moscow region.
- 4765 WARREN, S. W. Father and son partnership agreements. N. Y. Agr. Col. (Cornell) A. E. 533, 12 p., processed. Ithaca, 1945. 281.9 C81
- 4766 WILL YOU make a poultry farmer? asks "The Fenman." Poultry [London] 97: 249. Oct. 16, 1945. 47.8 P869  
Fifth of a series.
- 4767 WITT, L. W., and SAMPER, A. Espinal: un caso de minifundio en Colombia. Agr. Trop. 1(9): 45-46, 48-50. Oct. 1945. 26 Ag8

#### Bookkeeping and Records

- 4768 B., G. S. A promising venture; progress of Farm Accounts' Scheme [Great Britain]. N. F. U. Rec. 24(277): 15. Oct. 1945. 281.8 N21
- 4769 BATES, E. M. Farm records. New Zeal. J. Agr. 71: 159-164. Aug. 15, 1945. 23 N48J
- 4770 LE CARNET d'exploitation en Allemagne. France. Min. de l'Agr. et du Ravitaillement. B. de Statis. Agr. 1: 125-128. June 1, 1942. 260 Se6



- 4771 COOPER, R. S. Accounting for the dairy products industry. Accounting Rev. 20: 431-440. Oct. 1945. 325.8 Ac22
- 4772 FRELS, B. A farmer speaks: Put headlights on your farm! Furrow, Port. - E [Ed.] 50: 3, 15. Sept./Oct. 1945. 6 F98P
- Use of records in farm planning and management.
- 4773 JEFFERY, P. A. Internal records and dairy control. Dairy Indus. 10: 636-641. Sept. 1945. 44.8 D1427
- 4774 LINDSTRÖM, J. R. En ny form for fjørsregnskapslag. Norsk Landbruk 11: 303-304. Oct. 26, 1945. 11 N8122
- Dairy accounting.
- 4775 VASIL'EV, V. O kal'kuliatsii sebestoimosti rabot MTS. Sotsialist. Sel'sk. Khoz. 12(6): 35-37. June 1941. 281.8 S073
- Cost accounting for the machine tractor station.

#### Cost of Production

- 4776 BALERDI ALTOLAGUIRRE, J., and ARÉCHAGA ARA-LUCE, A. Promedio del resultado de operación que ha tenido el colono en el año agrícola correspondiente a la zafra de 1945. Labor 4(95): 4-5. Oct. 15, 1945. 8 L11
- Costs and returns of Cuban cane production.
- 4777 BISSON, J. E. Six cents dollars de profits sur deux wagons d'agneaux. Terre de Chez Nous 18(8): 23. Nov. 21, 1945. 7 T27
- 4778 BROWN, M. Horse costs; another article on choosing a power plant for a smallholding. Poultry Farmer [London] 113(2935): 6-7. Sept. 21, 1945. 47.8 F312
- 4779 CROSBY, J. Citrus cultural costs rising. Calif. Cult. 92: 594. Nov. 10, 1945. 6 C12
- 4780 DUDLEY, F. J. How to estimate profits from egg production. Poultry [London] 97: 198, 204. Sept. 25, 1945. 47.8 P869
- Similar title in Poultry Farmer [London] 113(2935): 3, Sept. 21, 1945. 47.8 F312
- 4781 FALCIONI, A. C. Costo de producción en ganadería. Res 13: 17925-17926. Sept. 5, 1945. 286.85 R31
- 4782 GASPARIN. Problemas ganaderos, No. 49-51, 53. Diario Rural 4(512): 14; (515): 14; (516): 14; (518): 8. Sept. 12, 22, 26, Oct. 3, 1945. 9.9 D54

#### Production costs in Uruguay.

- 4783 MAKINGS, S. M., and WYNNE, A. J. The economics of arable sheep farming in the East Midlands; a note on the costs and returns of sheep breeding and feeding and on the place of sheep in the farm economy. Midland Agr. Col. Survey Studies 6, 49 p. Loughborough, Eng., 1945. 281.9 M58
- 4784 MOORE, M. That question of profit; when the price of eggs and of poultry meat goes up, costs usually go up too. Albers Egg Maker 21(4): 3-4, 19, 20-21. Fall, 1945. 47.8 A11
- 4785 REISS, F. J. Profits and losses in feeding cattle. Ill. Farm. Econ., No. 124/125, p. 277-286. Sept./Oct. 1945. 275.28 I15
- 4786 ROY, K. B. Feeding to reduce wintering costs. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(11): 66. Nov. 1945. 6 F945G
- Beef cattle.
- 4787 SACKVILLE, J. P. The economics of cattle finishing; initial weight of animal, selling margin important in feedlot profit. Farm and Ranch Rev. 41(11): 5. Nov. 1945. 7 F223
- 4788 SCHRUMPF, W. E. Index of the farmer's cost of producing potatoes in Aroostook County, Maine, 1926-1945. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 60, p. 1328-1329, processed. Oct. 1945. 275.29 M281F
- 4789 WILCOX, R. H. Cost of producing milk in the Illinois portion of the St. Louis milkshed. Popkess' Dairyman's J. 32(8): 3, 6, 8. (To be cont.) Nov. 1945. 44.8 D142
- 4790 WILCOX, R. H. Crop costs in Illinois in 1944. Ill. Farm Econ., No. 124/125, p. 273-276. Sept./Oct. 1945. 275.28 I15

- 4791 WILCOX, R. H. What does it cost to produce soybeans? Soybean Processors' Conf. Rpt. (1944) 1: 24-27, processed. 275.29 I162Pag
- 4792 WILLS, J. E., and BROWN, O. B. Returns from Southern Illinois orchard farms, 1944. Ill. Farm Econ., No. 124/125, p. 287-291. Sept./Oct. 1945. 275.28 I15

#### Farms - Number and Size

- 4793 PFEIFFER, E. Large farm or small farm. Bio-dynamics 4(1): 1-7. Autumn 1945. 56.8 B52

#### Land Settlement and Colonization

- 4794 ARAGARÇAS, a cidade mais nova do Brasil. Observador Econ. e Financ. 10(116): 106-112. Sept. 1945. 280.8 Ob72
- An agricultural settlement.
- 4795 ARGENTINA. CONSEJO AGRARIO NACIONAL. Memoria, 1943/44, 197 p. Buenos Aires, 1945. 281.9 Ar32M
- Includes report of land settlement work.
- 4796 COMMUNAL farm; interesting rehabilitation venture for returned servicemen in Hawke's Bay, by Investigator. New Zeal. Farmer Weekly 66(15): 14. Sept. 20, 1945. 23 M484
- 4797 COUTURE, C. E. La colonisation; ce n'est pas la terre qui manque [Quebec]. Terre de Chez Nous 18(6): 17. Nov. 7, 1945. 7 T27
- 4798 LANGLANDS, D. J. Community settlement plan for subdividing an estate. Land [Sydney], No. 1767, p. 8. Oct. 5, 1945. 23 L22
- Subdivision of lands for soldier settlement.
- 4799 MARTIN, J. W. Land usage in western N. S. W. and Queensland. Past. Rev. 55: 663. Sept. 15, 1945. 23 Au75
- Suitability of areas for closer settlement.
- 4800 MEUNIER, M. R. L'établissement en terre ontarienne. Terre de Chez Nous 18(7): 16. Nov. 14, 1945. 7 T27
- 4801 MEYER, K. Neues bauerntum in neuem lebensraum. Deut. Agrarpolitik 1: 114-117. Jan. 1943. 281.8 D48
- Settlement policy for the eastern provinces.
- 4802 RANGER, L. Établissons notre jeunesse agricole. Terre de Chez Nous 18(7): 16. Nov. 14, 1945. 7 T27
- Canada.
- 4803 ROBERTS, B. Our new lands. West. Livestock J. 23(59): 38, 98-100. Oct. 15, 1945. 6 F2278
- Settlement of the irrigation districts in Columbia Basin, Wash.
- 4804 SOBRE parcelación de tierras y colonización interna. Vida Agr. 22: 685-687, 689-690. Aug. 1945. 9.8 V66
- Peru.
- 4805 TEMPLIN, R. From Toad Lane to Bayard Lane. II-III. Decentralist, Winter, 1945, p. 1, 3-5; Spring/Summer, 1945, p. 11-13. 280.8 D34
- II. Cooperative homesteading colonization; III. When consumers and producers are one.
- On the Borsodi plan of cooperative homesteading.
- 4806 WILSON, R. C. Soldier settlers and post-war development. Country Life [Sydney] 57(7): 9. (Cont.) Aug. 17, 1945. 286.85 Sy2
- 4807 WOOTEN, H. H. Farm lands for veterans and others. Agr. Situation 29(10): 17-20. Oct. 1945. 1 Ec7Ag

#### Land Tenure

- 4808 CAZIOT, P. Loi du 19 mars 1941 sur la réorganisation de la propriété foncière et le remembrement. Prog. Agr. et Vitic. 115: 345-349. May 18, 1941. 14 F94
- 4809 CAZIOT, P. Le remembrement obligatoire. Prog. Agr. et Vitic. 115: 289. Apr. 27, 1941. 14 F94

4810 DEGRULLY, P. La consolidation de la propriété foncière. Prog. Agr. et Vitic. 114: 333-334. Nov. 24, 1940. 14 P94

4811 GIRAN, A. À propos des baux à ferme, des baux à colonat partiaire, des terres abandonnées et du statut viticole actuel. Prog. Agr. et Vitic. 114: 69-74. Aug. 11-18, 1940. 14 P94

4812 GUIBAL, J. Fermiers et bailleurs. Prog. Agr. et Vitic. 115: 109-111. Feb. 9, 1941. 14 P94

4813 HW. Eigentums- und besitzverhältnisse in der schweiz. landwirtschaft. Schweiz. Bauernztg. 45: 38. Oct. 1945. 280.28 Sch93

4814 J., E. Le remembrement est une bonne affaire. Génie Rural et Elect. Rurale 33: 7. Nov./Dec. 1940. 58.8 Au8

4815 KUHNHOLTZ-LORDAT, G. Quelques aspects de l'absentéisme. Prog. Agr. et Vitic. 114: 217-222. Oct. 13, 1940. 14 P94

4816 LARUE, W. C. Rental plans that get results. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(11): 26. Nov. 1945. 6 P945G

4817 MCMILLAN, R. T. Some observations on farm ownership in southeastern Oklahoma. Cur. Farm Econ. [Okla. Sta.] 18: 106-110. Oct. 1945. 100 Ok4

4818 MANUEFFEL, H., FREIHERR VON. Das erbhofrecht - lebensgebot des deutschen volkes. Deut. Agrarpolitik 1: 111-114. Jan. 1943. 281.8 D48

4819 SOCIEDAD RURAL ARGENTINA. Es inconveniente una nueva prorroga de los actuales contratos de arrendamientos agrícolas. Soc. Rural Argentina. An. 79: 433-436. June 1945. 9 Sol

4820 TATE, W. E. Opposition to parliamentary enclosure in eighteenth-century England. Agr. Hist. 19: 137-142. July 1945. 30.98 Ag8

4821 WEBB, G. A working agreement; landlord, tenant and soil - each is protected by a long-term contract. South. Agr. 75(11): 44-45. Nov. 1945. 6 So83

#### Land Utilization

4822 BAUDIN, J. Incertitudes. Prog. Agr. et Vitic. 114: 171-172. Sent. 22, 1940. 14 P94

Legislation on the use of land in vineyards.

4823 DEGRULLY, P. La mise en culture des terres abandonnées. Prog. Agr. et Vitic. 115: 65-68, 132-134, 165-168, 205-208. Jan. 26, Feb. 23, Mar. 9, 23-30, 1941. 14 P94

4824 FREUND, W. What are "the interests of agriculture"? The present position and future prospects of land utilisation and how they affect the farming industry. Farmers Weekly [London] 23(14): 27. Oct. 5, 1945. 10 F2226

4825 GAUSSEN, H. Les terres incultes et leur utilisation. Fed. Pyren. d'Econ. Montagn. Ann. (1940/41) 9: 19-62. 1942. 280.9 F312

#### Land Values and Valuation

4826 BECKERICH, A. Comment estimer une propriété rurale. Génie Rural et Elect. Rurale 34: 6-8. Apr. 1941. 58.8 Au8

4827 BOHANNON, D. D. Converting farms to subdivisions. Appraisal J. 13: 362-364. Oct. 1945. 282.8 Am3

4828 FRY, H. S. Shall I buy this farm? Country Guide 64(7): 9. 30-31. July 1945. 7 G76

Land appraisal methods in Canada.

4829 HALLIBURTON, W. What is land worth? Prog. Farmer, Miss.-Ark.-La. Ed. 60(11): 26, 77. Nov. 1945. 6 So81

4830 ILLINOIS. UNIVERSITY. COLLEGE OF AGRICULTURE. Some things to do before buying a farm. Ill. Agr. Col. Ext. AE 2250, 4 p., processed. n. p., 1944. 275.29 I162P

4831 LUEBKE, B. H., and CHAMBERS, A. H. Factors affecting price of farm land, Humphreys County, Tennessee, 1941-1944. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 189, 30 p., processed. Knoxville, 1945. 173.2 W89Co

4832 LUND, C. F. What is Arkansas farm land worth? Ark. Farmer 47(10): 8-9. Oct. 1945. 6 Ar42

4833 LUNDY, G. Farm real estate values in South Dakota and the RAE index of estimated value per acre of farm real estate. J. Farm Econ. 27: 980-984. Nov. 1945. 280.3 J822

4834 MERCHANT, C. H. Highlights in choosing and buying a farm. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 60, p. 1324-1325, processed. Oct. 1945. 275.29 M281F

4835 PORTER, J. W., and ENGELKING, R. Land market activity in North Dakota; second quarter, 1945. N. Dak. Agr. Expt. Sta. Bimo. B. 8(1): 15-17. Sept./Oct. 1945. 100 N813B

#### POPULATION

4836 COSTANZO, G. The policy of immigration and settlement in the United States and the British Dominions. Internatl. Inst. Agr. Internatl. Rev. Agr. 35: 187E-223E. Sept./Oct. 1944. 241 In82A

4837 DENMARK. STATISTISKE DEPARTEMENT. Befolkningens bevægelse 1943. Denmark. Statist. Dept. Statist. Meddel., Ser. 4, v. 120, No. 5, 40 p. København, 1944. 257.1 St2M

Population statistics.

4838 DENMARK. STATISTISKE DEPARTEMENT. Folketællingen den 5. november 1940 og befolkningens bevægelse 1931/40. Denmark. Statist. Dept. Statist. Tabelværk, Ser. 5, Litra A, No. 22, 116 p. København, 1944. 257.1 St2T

Census and population statistics.

4839 HAY QUE evitar los exodos rurales mejorando las condiciones de vida de la familia campesina. Chacra 15(180): 6-7. Oct. 1945. 9 C34

Argentina.

4840 JAFFE, A. J. Population trends and city growth. Amer. Acad. Polit. and Social Sci. Ann. 242: 18-24. Nov. 1945. 280.9 Am34

Includes rural-urban migration.

4841 MOOD, F. A British statistician of 1854 analyzes the westward movement in the United States. Agr. Hist. 19: 142-151. July 1945. 30.98 Ag8

4842 NOTESTEIN, F. W., and JURKAT, E. Population problems of Palestine. Milbank Mem. Fund Q. 23: 307-352. Oct. 1945. 449.9 M582

4843 PIÑEIRO PEARSON, D. Despoblación de la campaña; medidas que podrían adoptarse para evitar el exodo rural. Soc. Rural Argentina. An. 79: 471-482. June 1945. 9 Sol

4844 RICO MARTIN, J. La despoblación campesina Spain. Min. de Agr. Secc. de Prensa e Pub. Hojz Divulg. de Enseñanza Rural 1(8): 6, 8. Nov. 1944. 15 Spl2

4845 ROMERO, G. El problema de inmigración y las necesidades nacionales. Paraguay. Min. de Agr. Rev. de Agr. y Ganad., No. 12, p. 24-29. Aug. 1945. 9.7 Ag8Re

4846 SHAPIRO, H. L. Ethnic patterns in Latin America. Sci. Monthly 61: 345-352. Nov. 1945. 470 Sci23

4847 SMITH, T. L. The demographic situation and trends among American Negroes. South. U. B. 31(3): 8-21. Mar. 1945. 276 L932B

4848 TUTHILL, D. D. Completeness of birth registration in urban and rural areas: United States and each State, December 1, 1939 to March 31, 1940. U. S. Bur. Census. Vital Statist. - Spec. Rpts. 23, No. 6, p. 99-115. Washington, 1945. 157.41 V83

4849 VENEZUELA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Séptimo censo nacional de población levantado el 7 de diciembre de 1941. Tomo III: Estados Carabobo, Cojedes y Falcón. 593 p. Caracas, 1945. 265.9 Es8Cp

Includes rural population.



## RURAL SOCIAL ORGANIZATION

4850 CHRISTALLER, W. Land und staad in der deutschen volksordnung. Deut. Agrarpolitik 1: 53-56. Nov. 1942. 281.8 D48

Influence of city and country upon each other.

4851 COONS, I. M. Christian living - rural communities - recreation returning veterans - world peace; a list of references on the subjects considered at the short course for pastors in farm communities, July 9-14, 1945. Colo. Agr. Col. Libr. Libr. B. 15, 4 v., processed. Fort Collins, 1945. 241.9 C715

4852 HARFOUCE, J. K. Lebanon—crossroad of geography and culture. Woman's Press 39(10): 14-15. 38. Nov. 1945. 110 W84

Includes discussion of village and rural problems.

4853 HEBERT, M. A. Louisiana farm folks read and read. Prog. Farmer, Miss.-Ark.-La. Ed. 60(11): 56. Nov. 1945. 6 S081

4854 LOOMIS, M. J. Integral rural living and civilization. Ohio State Grange Monthly 48(10): 1. Oct. 1945. 6 Qh33

4855 WELLOCK, W. A mechanistic or a human society? II-IV. Decentralist, Winter, 1945, p. 5-8; Spring/Summer, 1945, p. 5-11. 280.8 D34

Brings out the need for society's having its roots in the land.

Human Ecology

4856 P., G. Dorfaufdrüstung und ostsiedlung. Deut. Agrarpolitik 1: 133-134. Feb. 1943. 281.8 D48

4857 PACYNA, G. Wiederbelebung der dorfkultur; restauration oder neugestaltung? Deut. Agrarpolitik 1: 141-145. Feb. 1943. 281.8 D48

4858 RAGHAVAI AIYANGAR, S. S. Village system in the Madras Presidency. Madras J. Co-op. 37: 81-88. (To be cont.) Sept. 1945. 280.28 M26

Village organization.

4859 VANDAMME, P. Les régions agricoles de la France septentrionale. France. Min. de l'Agr. et du Ravitaillement. B. de Statist. Agr. 3: 149-165. June 1944. 260 S66

Institutions

4860 ÅKERBERG, E. Yrkesutbildningen i Norrland förande jord- och skogsbruk; ett betänkande från Norrlandskommittén. Lantmannen 29: 735-737. Aug. 18, 1945. 11 L234

Program for education in vocational agriculture in Norrland.

4861 ADAIR, W. A Scottish "Farm Week" in prospect for next year. Farming News and North Brit. Agr. 97(44): 2. Oct. 26, 1945. 10 N82

4862 ALEXANDER, E. R. The use of work sheets. Agr. Ed. Mag. 18: 98. Nov. 1945. 275.8 Ag8

In vocational agriculture.

4863 AVALOS, A. Debemos formar el maestro agrario para que abra su escuela a las inquietudes del campo e imparta a la niñez una educación que la habilite para el aprovechamiento racional y mejor de la tierra. Argentina. Min. de Agr. Noticioso 10: 50. June 30, 1945. 9 Ar311N

4864 BARACCO, C. Las demostraciones en el campo. Inform. del SCIPA. Ser. para los Agr., No. 5, p. 3-6. Dec. 1944. 9.8 P435

4865 BARNETT, C. A. The post-war outlook for the southern rural Negro. J. Negro Ed. 14: 566-575. Fall No. 1945. 275.8 J827

4866 BARRETT, J. N. Education - a country problem [New South Wales]. Past. Rev. 55: 674-675. Sept. 15, 1945. 23 Au75

4867 BENEDITO PEDREGAL, J. Higiene rural. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(10): 11-12. Jan. 1945. 15 Spl

4868 BIELING-VEEH, M. Schöpferisches handwerk auf dem lande. Deut. Agrarpolitik 1: 8 p. following p. 52. Nov. 1942. 281.8 D48

4869 BLENNER, M., and ELDER, J. M. Migrant boys in wartime as seen by U. S. O. Travelers Aid. Social Serv. Rev. 19: 324-342. Sept. 1945. 280.8 S01

Includes rural youth.

4870 BOLL, S. Les avantages offerts par l'Etat aux cultivateurs, aux bûcherons et pêcheurs anciens combattants. Terre de Chez Nous 18(8): 5, 21. Nov. 21, 1945. 7 T27

4871 BOND, H. M. Ham and eggs; a history of the Fort Valley Ham and Egg Show. Service 10(1): 10-11, 23. Aug. 1945. 280.8 S662

4872 BROCKLEBANK, J. The farm goes to town. Land Worker 26(317): 2. Oct. 1945. 283.8 L22

On the Farming Exhibition held at Newcastle-on-Tyne, illustrating farm life and work.

4873 BROWN, B. K. Colored farmers help increase Nation's farm output. Agr. Leaders' Digest 26(9): 36, 38. Nov. 1945. 275.28 Am3

4874 BURLINGHAM, H. H. Standards for departmental organization. Agr. Ed. Mag. 18: 86. Nov. 1945. 275.8 Ag8

Vocational agriculture.

4875 CARRASCO S., L. Lo que debe ser una escuela rural; síntesis de México en marcha. Agro 3(70): 1. (Cont.) Oct. 1945. 9.1 Ag84

4876 CASTAGNET, A. D. La comisión asesora en cuestiones agropecuarias. Res 13: 17860. Aug. 20, 1945. 286.85 R31

4877 CHAPMAN, E. Rural youth views on recreation. Farmer's Mag. 42(10): 20-21, 35. Oct. 1945. 7 C165

The second of a series of articles on the findings of the Canadian Youth Commission.

4878 CLINTON, I. L. A chance for better health comes to children who follow the crops; Government medical services pioneer in reaching out to these forgotten children. Child 10: 51-53. Oct. 1945. 158.2 C483

The first of a series of articles on children in migratory farm families.

4879 CONTI, L. Schutzhüterin gesundheitspflege. Deut. Agrarpolitik 1: 153-155. Feb. 1943. 281.8 D48

4880 COYE, M. Les industries rurales d'hiver. Génie Rural et Elect. Rurale 34: 3-5. Apr. 1941. 58.8 Au8

4881 DEGRULLY, P. À propos des vols de récolte. Prog. Agr. et Vitic. 115: 448-449. June 22-29, 1941. 14 P94

4882 DEGRULLY, P. Le Chef de l'Etat à l'Ecole Nationale d'Agriculture de Montpellier. Prog. Agr. et Vitic. 115: 129-132. Feb. 23, 1941. 14 P94

Includes speech of G. Buchet on agricultural education in France.

4883 DENMARK. STATISTISKE DEPARTEMENT. Folkehøjskoler og landbrugsskoler samt husholdningsskoler 1935/37-1940/41. Denmark. Statist. Dept. Statist. Meddel., Serv. 5, v. 120, No. 4, 48 v. København, 1942. 257.1 St2M

Includes report on agricultural schools.

4884 DRUMMOND, W. M. Prof. W. M. Drummond speaks. Ontario Milk Prod. 21: 154-155. Nov. 1945. 44.8 On8

Factors which determine the farmer's well-being.

4885 DUNK, M. R. "Facing Tomorrow;" theme of Hoosier's Rural Youth Leadership Training School; Indiana Extension staff and Farm Bureau cooperate to direct program. Better Farming Methods 17(7): 23, 33. Sept./Oct. 1945. 58.8 B46

4886 EASTERBROOK, L. F. Good farmers and good citizens; Britain plans pre-vocational education for country boys and girls. Farmer's Advocate and Home Mag. 80: 777. Oct. 25, 1945. 7 F22

4887 EICHORN, E. A rural teacher speaks. Appleblossom 18(2): 4. Nov. 8, 1945. 275.9 Ap5

- 4888 EMERSON, H., and LUGINBUHL, M. Cities and the public health of the future; American Public Health Association urges that counties, as local health administration units, provide service in both urban and rural areas. *Amer. City* 60(11): 89-90. Nov. 1945. 98.58 Am31
- 4889 FREIRE, P. DE M. Organização de serviços de saúde para a zona rural. *Arq. de Hig. e Saúde* Pub. 9(20): 7-82. Jan. 1944. 449.8 Ar6 Brazil.
- 4890 FUGATE, S. P. Meeting community needs thru the Department of Vocational Agriculture. *Agr. Ed. Mag.* 18: 87. Nov. 1945. 275.8 Ag8 Agricultural training at Swainsboro High and Industrial School in Swainsboro, Georgia.
- 4891 GARNETT, W. E. Rural medical care on the march. *Va. Polytech. Inst. B.* 28(4): 5-26. Feb. 1945. 448 G183
- 4892 GAUDET-SMET, F. Thoughts on the proposed school of home crafts for eastern Quebec Province. *Decentralist*, Spring/Summer, 1945, p. 1-5. 280.8 D34
- 4893 GEHDES, G. W. Centennial of a fair. *Macdonald Col. J.* 6(1): 19. Sept. 1945. 101 M144 Stanstead County.
- 4894 GREGORY, W. H. Comprehensive adult programs. *Agr. Ed. Mag.* 18: 109. Dec. 1945. 275.8 Ag8 Includes vocational agriculture.
- 4895 GUARD, E. S. Facing Kentucky's biggest problem. *Ky. Farmer's Home J.* 81(11): 13. Nov. 1945. 6 F2237 Rural schools in Kentucky.
- 4896 GUNTHER, G. Heimgekehrtes Bauerntum - Deutsches Bauernschicksal im Wechsel- und Wandel. *Deut. Agrarpolitik* 1: 119-122. Jan. 1943. 281.8 D48
- 4897 GUR'EV, V. Pavil'on "Litovskaja, Latvii-skaia i Estonskaia SSR. *Sotsialist. Sel'sk. Khoz.* 12(6): 38-43. June 1941. 281.8 So73 The pavilion of the Lithuanian, Latvian, and Estonian republics at the All-Union Agricultural Exposition (Vsesoiuznaia Sel'skokhoziaistvennaia Vystavka).
- 4898 GUR'EVICH, A. Polozhenie krest'ianstva v fashistkoj Germanii [Condition of the peasants in fascist Germany]. *Sotsi-list. Sel'sk. Khoz.* 12(9): 61-65. Sept. 1941. 281.8 So73
- 4899 HAMILTON, L. H. More farmers' sons study farming. *Macdonald Col. J.* 6(1): 32. Sept. 1945. 101 M144 Canada.
- 4900 HARRINGTON, L. Positive health. *Farmer's Mag.* 42(11): 20-21, 35. Nov. 1945. 7 C165 Health campaign on St. Joseph Island, Ontario.
- 4901 HAZELL, B. Farm within a city. *Land Worker* 26(317): 2. Oct. 1945. 283.8 L22 Describes Manchester Farm Week and Exhibition.
- 4902 HILLBRANDT, L. A continuous program of agricultural education. *Agr. Ed. Mag.* 18: 92, 93, 98. Nov. 1945. 275.8 Ag8 At the Warren High School, Warren, Minn.
- 4903 HODGSON, J. G., and COONS, I. M. Libraries indigenous to the Rocky Mountains; a list of readings for the Rocky Mountain Rural Library Institute. *Colo. Agr. Col. Lib. Lib. B.* 16, 14 p., processed. Fort Collins, 1945. 241.9 C71S
- 4904 HOOPER, O. Aspecto de la vida social rural de Panama. *Panama. Min. de Agr. y Com. Rev. de Agr. y Com.* 5(49): 52-63. Sept. 1945. 8 R3291
- 4905 HOSKINS, E. R. Planning programs and individual services for veterans in rural areas. *Agr. Ed. Mag.* 18: 103, 107. Dec. 1945. 275.8 Ag8
- 4906 HUMPHREYS, L. R. Training teachers to do farm and shop jobs. *Agr. Ed. Mag.* 18: 113. Dec. 1945. 275.8 Ag8
- 4907 JARMAN, A. M. The rural school situation compared with that of city schools. *Va. U. News Let.*, v. 22, No. 3, 1 p. Nov. 2, 1945. 280.9 V815
- 4908 JOHAN, B. Le service rural de la santé publique en Hongrie. *Off. Internatl. d'Hyg. Pub.* [Paris]. B. Mens. 33(1/2): 71-77. Jan./Feb. 1941. 449.75 Of2
- 4909 JONES, R. B. Rural child should have best education. *Appleblossom* 18(2): 4. Nov. 8, 1945. 275.8 Ap5
- 4910 KEENE, P. Toward a new agriculture. III. A new-type agricultural training center. *Decentralist*, Winter, 1945, p. 9-10. 280.8 D34
- 4911 KERNS, C. J. Vermilion School of Agriculture re-opens. *Family Herald and Weekly Star* 76(45): 9. Nov. 7, 1945. 7 F21 Canada.
- 4912 KIMURA, K. Victory farms show a vital chapter activity. *Agr. Ed. Mag.* 18: 116. Dec. 1945. 275.8 Ag8 Show sponsored by Future Farmers of Pahoa, Hawaii.
- 4913 KIRKENDALL, L. A. What price rural education. *Agr. Ed. Mag.* 18: 84-85. Nov. 1945. 275.8 Ag8 Role of vocational agriculture in keeping young people on the farms.
- 4914 LAMEGO, A. Os fazendeiros de campos, no século passado. VIII-IX. *Brasil Açucareiro* 25: 572-573; 26: 120-122. June-July 1945. 65.8 B73
- 4915 LEBEL, L. Préparons nos haches! *Terre de Chez Nous* 18(4): 3. Oct. 24, 1945. 7 T27 Employment and settlement of rural youth in Canada.
- 4916 LISSACK, H. R. Plan to use new techniques in visual education; instructional films can help "Ag" teacher and county agent promote program to farmers. *Better Farming Methods* 17(7): 14, 26. Sept./Oct. 1945. 58.8 B46
- 4917 LÖHR, L. Bergbauerntum als völkischer kraftquell. *Deut. Agrarpolitik* 1: 6 p. between p. 152 and 153. Feb. 1943. 281.8 D48
- 4918 M., R. R. La falange femenina en el campo; la Hermandad de la Ciudad y el Campo procura la formación de la campesina, y ayuda a su desenvolvimiento económico, fomentando la implantación de pequeñas industrias rurales. *Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural* 2(10): 15-16. Jan. 1945. 15 Spl
- 4919 MACDONALD, G. Étude de l'anémie des travailleurs des plantations de thé en Assam. *Off. Internatl. d'Hyg. Pub.* [Paris]. B. Mens. 33: 509-510. Sept./Oct. 1941. 449.75 Of2
- 4920 MACDOUGALL, A. F. County agent leaders hold conference. *Better Farming Methods* 17(7): 15, 30-31. Sept./Oct. 1945. 58.8 B46
- 4921 MCMAHON, B. J. Agricultural training programs for returning veterans and war workers. *Agr. Ed. Mag.* 18: 104-105, 118. Dec. 1945. 275.8 Ag8
- 4922 MADDEX, M. L. Learning to be better farmers. *Agr. Leaders' Digest* 26(9): 28, 30. Nov. 1945. 275.28 Am3
- 4923 MILBURN, V. S. The world overtakes the farmer. *Rural Co-op.* 10(2): 6. Sept. 25, 1945. 280.28 R88 Need for the farmer to emerge from his isolation and assume world responsibilities.
- 4924 MOSHER, A. T. God in the countryside. *Christian Rural Fellowship B.* 105, 6 p. New York, 1945. 281.29 C46 Christian movement among rural people.
- 4925 NATIONAL COMMISSION ON CHILDREN IN WARTIME. Building the future for children and youth; next steps. *U. S. Children's Bur. P.* 310, 59 p. Washington, 1945. 158.2 P96 Includes health services, education and employment opportunities and recreation for rural children and youth.
- 4926 NICHOLS, M. Young farmer program now being organized in rural Utah will include F. F. A. youth, 18 to 25 years. *Utah Farmer* 65(6): 3. Oct. 25, 1945. 6 D45



4927 O'BRIEN, H. R. When farmers retire... the old way was to pull up roots and move into town, but more and more are finding real contentment right on the home place. Country Cent. 115(11): 22-23, 118-119. Nov. 1945. 6 C833

4928 OPLER, M. E. Themes as dynamic forces in culture. Amer. J. Sociol. 51: 198-206. Nov. 1945. 280.8 Am3

Social and religious practices among the Chiricahua Apaches.

4929 PACYNA, G. Berufserziehung und politische pflichterfüllung. Deut. Agrarpolitik 1: 130-131. Jan. 1943. 281.8 D48

4930 PASCALE, H. Organização do Serviço de Assistência ao Parto e de Higiene Pré-natal dos distritos rurais e pequenas cidades do interior. Arq. de Hig. e Saúde Pub. 8(17): 139-147. Jan. 1943. 449.8 Ar6

Brazil.

4931 PEARSON, J. H. Land utilization in farming programs. Agr. Ed. Mag. 18: 90. Nov. 1945. 275.8 Ag8

Vocational agriculture.

4932 PESSOA, S. B., and PASCALE, H. Análise da infecção pelo Necator em uma fazenda de café e cana no Município de Sertãozinho. Arq. de Hig. e Saúde Pub. 6(11): 38-60. Jan. 1941. 449.8 Ar6

Hookworm in Brazil.

4933 PESSOA, S. B., and PASCALE, H. Intensidade da ancilostomose em algumas fazendas de café no Município de Ribeirão Preto. Arq. de Hig. e Saúde Pub. 6(11): 30-37. Jan. 1941. 449.8 Ar6

Hookworm among workers on coffee plantations.

4934 PESSOA, S. B., and PASCALE, H. Intensidade da ancilostomose nos escolares de vários municípios. Arq. de Hig. e Saúde Pub. 6(11): 66-71. Jan. 1941. 449.8 Ar6

Rural areas.

4935 POE, C. Churches and recreation. Prog. Farmer, Miss.-Ark.-La. Ed. 60(11): 18. Nov. 1945. 6 So81

4936 QUINTERO, A. La enseñanza agropecuaria en la escuela rural. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 1(8): 8, 12. Nov. 1944. 15 Spl2

4937 QUINTERO, A. La mujer, en la explotación agropecuaria. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(10): 10. Jan. 1945. 15 Spl2

4938 RANGER, L. Notre jeunesse agricole. Terre de Chez Nous 18(4): 20. Oct. 24, 1945. 7 T27

Ontario.

4939 RENOLD, C. G. How an industrialist viewed Manchester farm exhibition. N. F. U. Rec. 24: 30-31. Nov. 1945. 281.8 N21

Manchester Farm Week.

4940 RICO MARTIN, J. Campesinas de España. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(10): 7, 12. Jan. 1945. 15 Spl2

4941 RIETZ, W. Berufsausbildung - schritt-macher der dorfaufklärung. Deut. Agrarpolitik 1: 146-148. Feb. 1943. 281.8 D48

4942 ROMERO MONTERO, R. Nuestras labradoras. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(10): 2-4. Jan. 1945. 15 Spl2

Describes Spanish peasant women.

4943 RURAL YOUTH NEWS. Rural youth interests among leading national agencies. Rural Youth News, v. 4, No. 1, sup., 14 p., processed. n. p., 1945. 281.28 B882

4944 SAMPLE, G. W. Farmers want return of State fair. Hoosier Farmer 30(10): 6, 21. Oct. 1945. 280.92 H72

4945 SANDERS, H. W., and RICHARDS, C. W. Why teachers of vocational agriculture leave the profession. Agr. Ed. Mag. 18: 94-95, 98. Nov. 1945. 275.8 Ag8

4946 SANZ, M. La maestra en el medio rural. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(10): 8. Jan. 1945. 15 Spl2

4947 SCHLUP, L. A. Chinese students praise extension work. Agr. Leaders' Digest 26(9): 48. Nov. 1945. 475.28 Am3

4948 SERRANO ORTIZ, A. Magisterio femenino. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(10): 9. Jan. 1945. 15 Spl2

The rural teacher.

4949 SIEKINK, D. Education of the farmer of tomorrow. Cent. Co-op. Shipper 25(10): 5-6. Oct. 1945. 280.38 C78

4950 STARRAK, J. A. The education of "dirt" farmers. Agr. Ed. Mag. 18: 114-115. Dec. 1945. 275.8 Ag8

An evaluation of current programs of agricultural instruction in Iowa.

4951 TAYLOR, H. B. Keeping leaders up to date thru farm practice forums. Agr. Leaders' Digest 26(8): 26. Oct. 1945. 275.28 Am3

For teachers of vocational agriculture.

4952 THERAUD, J. La santé publique en Haïti. Ofic. Sanit. Panamericana. B. 24: 489-497. June 1945. 150.9 B872

Mentions the rural population.

4953 THOMAS, P. J. Future of cottage industries; should they survive? Madras J. Co-op. 37: 97-101. Sept. 1945. 280.28 M26

4954 THURBER, E. American agricultural college libraries, 1862-1900. Col. and Res. Lib. 6: 346-352. Sept. 1945. 243.8 C68

4955 TOONE, H. Farming programs-- what kind? Agr. Ed. Mag. 18: 91. Nov. 1945. 275.8 Ag8

Vocational agriculture.

4956 TO OUR better health; a call for improved medical aid in our rural areas where we have more preventable disease and fewer doctors than in urban areas. Consum. Guide 11(11): 3-5. Nov. 1945. 1.94 Ad422C

Includes discussion of the United States Department of Agriculture's rural health programs.

4957 U. S. NATIONAL COMMISSION ON CHILDREN IN WARTIME. State and community planning for children and youth. U. S. Children's Bur. P. 312, 21 p. Washington, 1945. 158.2 P96

4958 WARDLE, N. J. Building an adult-farmer program. Agr. Ed. Mag. 18: 97. Nov. 1945. 275.8 Ag8

4959 WARNER, K. F. For veteran county agents only. Ext. Serv. Rev. 16: 156. Oct. 1945. 1 Ex892Ex

Training county agent assistants.

4960 WHAT chance for farm youth? Farmer's Mag. 42(11): 26-27, 31. Nov. 1945. 7 C165

Findings of the Canadian Youth Commission on economic opportunities for young people on the farm.

4961 WHITE, T. A. Teacher visitation vs. project completion. Agr. Ed. Mag. 18: 91. Nov. 1945. 275.8 Ag8

Vocational agriculture.

4962 WRIGHT, C. E. The institute idea. Agr. Ed. Mag. 18: 106-107. Dec. 1945. 275.8 Ag8

On the program of the New York State Institute of Agriculture and Home Economics at Cobleskill, N. Y.

4963 YEPES T., D. Dependencias técnicas administrativas, antes que secretarías departamentales de agricultura. Agr. Trop. 1(9): 60-61. Oct. 1945. 26 Ag8

Colombia.

#### Leadership

4964 BROUILLETTE, J. W. The functional approach to a rural leadership conference. South. U. B. 31(3): 3-8. Mar. 1945. 276 L932B

Rural Organizations and Movements

- 4965 ADAIR, W. Scottish N. F. U. reorganization; new office and staffing, with Council again in saddle. *Farming News and North Brit. Agr.* 97(44): 3. Oct. 26, 1945. 10 N82
- 4966 ALAMPI, P. Farm boys attend Danforth Leadership Camp. *Agr. Leaders' Digest* 26(8): 48-49. Oct. 1945. 275.28 Am3  
New Jersey Future Farmers of America.
- 4967 ARMSTRONG, MRS. A., and RIGHTLEY, J. A. Northern Indiana points the way for rural-urban cooperation; climaxing years of preparatory discussions in three counties, Elkhart steps out with first rural-urban co-op store. *Co-op [Chicago]* 1(11): 6-8. Nov. 1945. 280.28 C7847
- 4968 BENERAY, F. W. "Agriculture raises its head." *Maine State Pomol. Soc. Ann Rpt.* 1944: 33-36 81 M28  
New England cooperatives and the apple industry.
- 4969 BERRUTI, P. R. Contestando a la prensa. *Diario Rural* 4(513): 5. Sept. 15, 1945. 9.9 D54  
Attitude of the Montevideo press to rural organization.
- 4970 BÓREA, D. Comentarios de la Ley 11.381. *Coopercarril* 20(242): 12-15. Aug. 1945. 280.28 C7862  
Includes agricultural cooperatives.
- 4971 BRIGHAM, R. An appraisal of 4-H extension education. *Agr. Leaders' Digest* 26(8): 19. Oct. 1945. 275.28 Am3
- 4972 CALETTI, A. M. Trascendencia económico social de la cooperación agrícola. *Coopercarril* 20(242): 16-19. Aug. 1945. 280.28 C7862
- 4973 CARACTERÍSTICAS, finalidades y privilegios de las cooperativas agrícolas. *Agr. del Norte* 28(1): 7-12. Jan. 1944. 9.3 Sol4
- 4974 CHARLY, Les clubs 4-H en congrès. *Forêt Québécoise* 10: 181-182. Oct. 1945. 99.8 F79
- 4975 COOPERATIVISMO agrícola. *Observador Econ. e Financ.* 10(115): 88-90. Aug. 1945. 280.8 Ob72  
Brazil.
- 4976 COSTA, R. A "Cooperativa de Cotia" - modelo de cooperação econômica. *Cooperativismo* 5(54): 4. Mar. 1945. 280.28 C7872  
An agricultural cooperative in São Paulo.
- 4977 CYR, T. Impressions personnelles sur le Congrès des Clubs 4-H à Montréal. *Conservation [Quebec]* 2(11): 6-7. Nov. 1945. 275.28 C763
- 4978 EASTERBROOK, L. F. "Encorajar a futura geração na ciência de viver"; a organização dos Clubes de Jovens Fazendeiros na Grã-Bretanha. *Agr. e Pecuária* 16(265): 9-10. May 1945. 9.2 Ag89
- 4979 EUREKA YOUTH LEAGUE. Youth tells: how to hold youth to the country. *West Austral. Wheat-grower* 15(10): 2. June 28, 1945. 23 W523
- 4980 FILION, G. Défense des intérêts agricoles par l'U. C. C. et travail accompli par ses divers services; extraits du rapport annuel du secrétaire général. *Terre de Chez Nous* 18(3): 5. Oct. 17, 1945. 7 T27
- 4981 FLEDDERJOHN, H. C. IFBCA [Indiana Farm Bureau Cooperative Association] faces the future. *Coop. Digest* 6(5): 68-69. Nov. 1945. 280.28 C7896
- 4982 FROST, H. Future Homemakers of America organize nationally. *Agr. Leaders' Digest* 26(9): 52-53. Nov. 1945. 275.28 Am3
- 4983 GOBEIL, A. R. Les clubs 4-H du Québec. *Forêt Québécoise* 10: 225-235. Oct. 1945. 99.8 F79
- 4984 HENNING, G. F. Responsibilities of co-operatives. *Calif. Cult.* 92: 561, 581. Oct. 27, 1945. 6 C12
- 4985 HOLMSTRÖM, S. Jordbrukets ekonomiska förbättringsörelse under år 1944. *Lantmannen* 29: 587-590, 607-610, 627-630, 656-660, 677-678. June 30, July 28, 1945. 11 L234  
Farm cooperatives in Sweden in 1944.
- 4986 HUDSON, G. T. Public relations of farmer co-operatives. *Primary Prod. [Sydney]* 22(37): 1, 7. Sept. 14, 1945. 23 P93
- 4987 IMHOF, A. H. 4-H clubs in action. *Pa. Farmer* 133: 275. Nov. 24, 1945. 6 P383
- 4988 KELLEY, V. W. The Hi-One Apple Club. *Ill. State Hort. Soc. Trans.* (1944) 78: 57-58. 1945. 81 I16
- 4989 KENNEDY, C. J. Why 4-H'ers sometime fail. *Prog. Farmer, Miss.-Ark.-La. Ed.* 60(11): 34, 70. Nov. 1945. 6 So81
- 4990 KLEIN, P. 4-H Club fair in San Fernando Valley, attracts crowd. *Calif. Cult.* 92: 529, 549. Oct. 13, 1945. 6 C12
- 4991 KLINGE, G. Política agrícola-alimenticia. (Decimasesta parte.) *Vida Agr.* 22: 709-714. Aug. 1945. 9.8 V66  
Cooperation in Peru.
- 4992 LEBEL, L. L'Union Catholique des Fermiers: les objections. *Terre de Chez Nous* 18(6): 3; (7): 3, 19. Nov. 7-14, 1945. 7 T27
- 4993 MACCOLL, E. D. Resumen del discurso pronunciado... en la asamblea de Tarariras. *Diario Rural* 4(514): 4. Sept. 19, 1945. 9.9 D54  
Importance of organization among rural workers in Uruguay.
- 4994 MACK, J. A. Future Farmers learn by working together. *Hoard's Dairyman* 90: 603. Oct. 25, 1945. 44.8 H65
- 4995 MARTEL, L. Quinzième anniversaire de l'Union [Catholique] des Cultivateurs Franco-Ontariens; exposé du travail accompli de 1929 à 1945. *Terre de Chez Nous* 18(3): 20, 24. Oct. 17, 1945. 7 T27
- 4996 MARTIN, R. La Société Coopérative Agricole du Canton de Granby. *Terre de Chez Nous* 18(4): 4, 19. Oct. 24, 1945. 7 T27  
Quebec.
- 4997 MORAIS, J. DE M. Sobre o cooperativismo. São Paulo. Dept. de Assistência ao Cooperativismo. P. 134, 15 p. São Paulo, 1945. 280.29 Sa6  
Includes agricultural cooperation in São Paulo.
- 4998 NATIONAL ASSOCIATION OF COOPERATIVES. Why farm co-ops ate "big business." *New England Dairies News* 5(7): 8-9. Oct. 1945. 44.9 N443
- 4999 ODHNER, L. D. Why the chain store industry likes to work with farmers' co-operatives. *Co-op. Rev.* 12(12): 3-7. Nov. 1945. 280.28 P38
- 5000 PEREIRA, V. Palavras de um líder cooperativista potiguar. *Cooperativismo* 5(53): 2. Feb. 1945. 280.28 C7872  
On rural cooperation in Brazil.
- 5001 RANGER, L. Le congrès général de l'Union Catholique des Cultivateurs Franco-Ontariens. *Terre de Chez Nous* 18(1): 15. Oct. 3, 1945. 7 T27
- 5002 S., W. T. Future Farmers of America... in action. *Agr. Ed. Mag.* 18: 117. Dec. 1945. 275.8 Ag8
- 5003 SCHENCK, H. E. First postwar State convention of Farm Bureau, November 15-17, to study hazards ahead and chart future course. *Hoosier Farmer* 30(10): 5, 21. Oct. 1945. 280.82 H72  
Indiana Farm Bureau Federation.
- 5004 SHALL there be a state Y. F. A. [Young Farmers Association] organization [in Ohio]? "No-o-o-o," says J. H. Leonard; "Yes, why go it alone," says R. J. Woodin. *Agr. Ed. Mag.* 18: 110, 117. Dec. 1945. 275.8 Ag8
- 5005 SJÖBORG, E. Omorganisation av hushållsningsållskapet; ett förslag framlagt av Lantbruksstyrelsen. *Lantmannen* 29: 692-694. Aug. 4, 1945. 11 L234  
Government program for the reorganization of agricultural organizations in Sweden
- 5006 STENSGÅRD, A. H. Svenska Lantmännens Riksförbund 40 år. *Lantmannen* 29: 755-756. Aug. 25, 1945. 11 L234  
Organization and activities of the Swedish Farmers Central Association.



5007 SUITOR, A. E. Rabbit projects in 4-H Club work. Small Stock Mag. 29(11): 28. Nov. 1945. 44.8 P442

5008 TERRE de Chez Nous, v. 18, No. 2, 40 p. Oct. 10, 1945. 7 T27

Special number devoted to the general congress of the Union Catholique des Cultivateurs, with numerous signed articles on the work of the Union.

5009 THIVIERGE, A. Le Club 4-H de Rivière-du-Loup au Congrès de Montréal. Conservation [Quebec] 2(11): 8-9. Nov. 1945. 275.28 C763

5010 WELSH AGRICULTURAL ORGANISATION SOCIETY LTD. Report, 1943, 88 p. Aberystwyth, 1944? 280.29 W46R

Includes statistics of agricultural cooperative societies.

5011 WEST VIRGINIA FARM BUREAU. Annual report, 1944/45, 47 p., processed. n. p., 1945. 275.293 W52

5012 WICKARD, C. R. Co-ops are private enterprise. Tex. Co-op Power 2(5): 2. Nov. 1, 1945. 335.8 T31

5013 YALE, W. Nuevos organismos para el fomento económico de la América Latina. Pan Amer. Union. Bol. 79: 621-627. Nov. 1945. 150.9 M76B

Includes agencies for the development of agriculture.

5014 ZAYAS CHARDÓN, H. La organización de las cooperativas. Puerto Rico. Dept. del Trab. Not. del Trab. 4(76): 5. Sept. 15, 1945. 283.9 P962N

Agricultural cooperatives.

5015 ZIEGLER, L. F. Cooperatives...They had to happen. West. Dairy J. 1(11): 20, 42. Sept. 1, 1945. 44.8 W524

#### RURAL SOCIAL PSYCHOLOGY

5016 DES CHAMPS, R. La voix de la J. A. C.; en plein champ. Terre de Chez Nous 18(3): 19. Oct. 17, 1945. 7 T27

Attitude of Canadian youth to rural life.

5017 LINDSTROM, D. E. We talk it over together. Hoard's Dairyman 90: 665. Nov. 25, 1945. 44.8 H65

Planning group discussions.

5018 NEELANDS, W. Do farms matter? Forums are asked. Rural Co-op. 10(4): 4. Oct. 23, 1945. 280.28 R88

Canada.

5019 NEELANDS, W. Junior farmers promote forums [in Canada]. Rural Co-op. 10(2): 4. Sept. 25, 1945. 280.28 R88

5020 SPANGLER, MRS. J. Make board meetings interesting. Hoosier Farmer 30(11): 23. Nov. 1945. 280.92 H76

Describes meetings of the Miami County Farm Bureau.

5021 STAPLES, R. S. Says people learn to work together. Rural Co-op. 10(3): 1, 4. Oct. 9, 1945. 280.28 R88

Through farm radio forums in Canada.

5022 YOUNG, R. A cooperative program in farm family living. Agr. Ed. Mag. 18: 111. Dec. 1945. 275.8 Ag8

A discussion program at Middlebury, Vt.

#### TRADE, FOREIGN AND INTERNATIONAL

5023 ALARCÓN M., A., CASTILLO H., R. DEL, and BRAVO GALICIA, J. Monografías comerciales: el comercio de productos agropecuarios 1940-1944. Mex. Dir. de Econ. Rural. B. Mens., No. 229, p. 410-459. June 1945. 254.5 Ag83

5024 ALGUMAS matérias primas. Observador Econ. e Financ. 10(115): 128-132. Aug. 1945. 280.8 Ob72

Includes rubber and carnauba wax exports of Brazil.

5025 ARGENTINA. DIRECCIÓN GENERAL DE ESTADÍSTICA Y CENSOS. El comercio exterior argentino en 1944 y 1943, 255 p., processed. Buenos Aires, 1945. 255.1 Es8C

5026 ARGENTINA. SECRETARÍA DE INDUSTRIA Y COMERCIO. Cumplimiento del convenio sobre ventas de oleaginosos e importación de fuel-oil. Bolsa de Cereales, Buenos Aires. Rev. 32(1717): 24. Sept. 15, 1945. 287 B866

5027 B., A. L'exportation frauduleuse de la vanille et ses graves conséquences. Guadeloupe. Serv. de l'Agr. Rev. Agr. (n. s.) 2: 155-156. Sept. 1945. 8 R327

5028 BAILEY, A. H. Empire trade policies. Northwest. Miller 224(7): 5. Nov. 13, 1945. 298.8 N81

5029 BENEDICT, M. R. How much tariff protection for farm products? Carnegie Endowment Internatl. Peace. Div. Econ. and Hist. Agr. Ser., No. 1. 37 p. Berkeley, Univ. of Calif. Press, 1945. 281.9 C21

5030 BIRKETT, C. B. Resources and trade of Fiji. I. Canada. Dept. Trade and Com. Com. Intel. J. 73: 511-517. Nov. 24, 1945. 286.8 C16

5031 BRIGHTON, H. W. Panama as a market. Canada. Dept. Trade and Com. Com. Intel. J. 73: 497-502. Nov. 24, 1945. 286.8 C16

Includes trade in agricultural products with Canada

5032 BROWN, H. L. Wartime trade of Southern Rhodesia. Canada. Dept. Trade and Com. Com. Intel. J. 73: 394-400. Oct. 27, 1945. 286.8 C16

5033 CANADA. BUREAU OF STATISTICS. Trade of Canada, 1944, 3 v. Ottawa, 1945. 253 C332A

V. 1, Summary and analytical tables, 272 p.; v. 2, Exports, 294 p.; v. 3, Imports, 316 p.

Text in English and French.

5034 CANADA. BUREAU OF STATISTICS. EXTERNAL TRADE BRANCH. Trade of Canada; exports of Canadian produce, 1942/43, 154 p., processed. Ottawa? 1944. 253 St25Te

5035 COMISIÓN NACIONAL DE PROPAGANDA Y DEFENSA DEL TABACO. Resumen analítico de las exportaciones de tabaco y sus productos durante el año de 1944, 25 p., processed. Habana, 1945. 254.8 C8992

5036 DENMARK. STATISTISKE DEPARTEMENT. Danmarks vareindførsel og -udførsel, 1942. Denmark. Statist. Dept. Statist. Tabelvaerk, Ser. 5, Litra D, No. 63, 148 p. København, 1943. 257.1 St2T

5037 DOMINICAN REPUBLIC. DIRECCIÓN GENERAL DE ESTADÍSTICA. SECCIÓN DE PRODUCCIÓN Y ECONOMÍA. Exportación de la República Dominicana, 1944, 381 p., processed. Ciudad Trujillo, 1945. (v. 13, Nos. 1-13) 254.8 D7172Ea

5038 DOMINICAN REPUBLIC. DIRECCIÓN GENERAL DE ESTADÍSTICA. SECCIÓN DE PRODUCCIÓN Y ECONOMÍA. Importación de la República Dominicana, 1944, 353 p., processed. Ciudad Trujillo, 1945. (v. 5, Nos. 1-13) 254.8 D7172Ia

5039 FOLSOM, R. S., and HARWOOD, A., JR. Economic situation in Haiti - 1944. (Digest.) U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 13, 9 p. Washington, 1945. 157.54 In8

Includes foreign trade and agriculture.

5040 GRAHAM, F. D. Full employment without public works, without taxation, without public debt, and without inflation. Internatl. Postwar Prob. 2: 470-498. Oct. 1945. 280.8 In874

Includes agricultural raw materials and foreign trade.

5041 GUTHARDT, E. C. Análisis estadístico de la importación de pescados conservados en aceite o salsa, 1937-1944. An. de Econ. y Estadist. (ser. 2) 1(6): 53-56. June 1945. 255.5 An1

Colombia.

5042 HALASI, A. Toward a full employment program: a survey. Internatl. Postwar Prob. 2: 429-462. Oct. 1945. 280.8 In874

Includes foreign trade.

5043 HENNING, C. N. Korea's foreign trade - prewar trends foreshadow future potentialities. Foreign Com. Weekly 21(8): 7-9, 48-50. Nov. 17, 1945. 157.54 F763

- 5044 HOFFMAN, H. T. Marketing areas in Colombia. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 17, 8 p. Washington, 1945. 157.54 In8
- 5045 HOROTH, V. L. South American trade opportunities. Mag. Wall St. 77: 81-82, 110, 112. Oct. 1945. 286.8 M27
- 5046 KNOWLES, J. K. Agriculture and British trade. Scot. Farmer 53: 1065. Oct. 20, 1945. 10 Sco8
- 5047 KOEPFLE, L. G. British Malaya (an economic summary). U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 16, 9 p. Washington, 1945. 157.54 In8
- 5048 MARÇAL, H. Política aduaneira do Brasil. Observador Econ. e Financ. 10(116): 98-105. Sept. 1945. 280.8 Ob72
- 5049 MUTTER, J. L. Cuba as a market. I-II. Canada. Dept. Trade and Com. Com. Intel. J. 73: 418-424, 450-457. Nov. 3, 10, 1945. 286.8 C16
- 5050 MUTTER, J. L. The Dominican Republic: its resources and trade. Canada. Dept. Trade and Com. Com. Intel. J. 73: 473-481. Nov. 17, 1945. 286.8 C16
- 5051 OHLIN, B. Det ekonomiska världsläget. Lantmannen 29: 907-910. Oct. 13, 1945. 11 L234  
Includes discussion of international trade and the food situation in Europe.
- 5052 PERU. DEPARTAMENTO DE ESTADÍSTICA GENERAL DE ADUANAS. Anuario del comercio exterior del Perú, 1944, 437 p. Lima, 1945? 255.8 Ad9E
- 5053 PROCACCIA, C. Clasificación del arancel de aduanas del Ecuador según la lista minimum de mercancías para las estadísticas del comercio internacional. Ecuador. Dir. Gen. de Estadís. y Censos. Cuadernos de Estadís. 2, 96 p. Quito, 1945. 255.5 Ec96
- 5054 RICE, K., and KIRKPATRICK, E. L. Our community and the world. Rural Youth News 4(1): 7-10, processed. Sept. 1945. 281.28 R882  
Includes discussion of international trade and economy.
- 5055 ROLLEMBERG, L. D. Reciprocidade comercial. Observador Econ. e Financ. 10(114): 81-85. July 1945. 280.8 Ob72
- 5056 S., A. Kritik an der schweizerischen vieheinfuhrstelle von 1936-1939. Schweiz. Bauernztg. 45: 39. Oct. 1945. 280.28 Sch93
- 5057 SEIFERT, H. A. New Zealand provides big supplies to Pacific area. Stock and Land 35(37): 15. Sept. 12, 1945. 49 St63  
Exports of agricultural products.
- 5058 STARR, M. M. Procurement and import control. Pan Amer. 6(6): 10-14. Nov. 1945. 280.8 Pl92  
Includes agricultural products.
- 5059 STEVENSON, W. Z. Canned fish exporters ask more freedom in foreign markets. Canad. Grocer 59(21): 32, 38. Nov. 1, 1945. 286.83 C162  
Packers wish to sell through their own agents instead of through UNRRA.
- 5060 SWEDEN. KOMMERSKOLLEGIUM. Sveriges officiella statistik: Handel, 1942, 440 p. Stockholm, 1943. 257.3 St2Ha
- 5061 SYKES, P. Foreign trade of Ceylon in 1944. Canada. Dept. Trade and Com. Com. Intel. J. 73: 374-376. Oct. 20, 1945. 286.8 C16
- 5062 SYKES, P. Foreign trade of India in 1944-45. Canada. Dept. Trade and Com. Com. Intel. J. 73: 430-432. Nov. 3, 1945. 286.8 C16
- 5063 TEAGUE, C. C. The relationship of the tariff policy to living standards in the United States. Calif. Cattleman, Oct. 1945, p. 12, 17. 43.2 C12  
Includes reference to its effect on agriculture.
- 5064 THOMPSON, A. T., and ZAGLITS, O. Corn Belt agriculture and foreign trade. Iowa Farm Econ. 11(10): 15-16. Oct. 1945. 275.28 Io92  
First of two articles.
- 5065 TOLEDO, S. Contra la importacion de carnes procedentes de países aftosos. Rev. Pecuaria, No. 83, p. 3-4. Aug. 1945. 49 R326  
Venezuela.
- 5066 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. Cuba; (summary of current economic information). U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 14, 7 p. Washington, 1945. 157.54 In8  
Prepared by the Foreign Service of the United States, American Embassy, Habana, Cuba.  
Includes foreign trade and agriculture.
- 5067 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. RUSSIAN UNIT. What goods constitute our trade with Russia? Foreign Com. Weekly 21(5): 4-5, 48. Oct. 27, 1945. 157.54 F763  
International Trade Unit, joint author.
- 5068 U. S. BUREAU OF THE CENSUS. U. S. foreign trade in first half of 1945. Foreign Com. Weekly 21(7): 5-7, 58-60. Nov. 10, 1945. 157.54 F763
- 5069 U. S. TARIFF COMMISSION. Post-war imports and domestic production of major commodities. Report to the United States Senate in response to Senate Resolution No. 341 (78th Cong., 2d sess.) U. S. Tariff Comm. Rot. 154, ser. 2, 1321 p. Washington, 1945. 173 T17RS
- 5070 VECHSLER, M. J. Chile as a market. II. Canada. Dept. Trade and Com. Com. Intel. J. 73: 506-510. Nov. 24, 1945. 286.8 C16  
Chilean exports of agricultural products included.
- 5071 ZAMORA, A. Importancia de las relaciones comerciales mexicano-argentinas. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 10(9): 2-4. Sept. 1945. 286.8 M575

## FOOD AND HUMAN NUTRITION

## GENERAL

- 5072 ALLEN, G. E. School lunches in Kansas. Kans. State Col. Ext. Neighborhood Leader, Nov. 1945, p. 3-4. 275.29 K15N
- 5073 BARBOSA, J. J. Alimentação dos soldados da borracha. Brazil. Serv. de Aliment. de Previdência Social. SAPS 1(10): 34-39. Aug. 1945. 389.9 B73
- 5074 BRITO, L. DE. Alimentação do trabalhador no bairro do Rocha; resultado de um inquérito realizado pelo SAPS. Brazil. Serv. de Aliment. de Previdência Social. SAPS 1(10): 4-6. Aug. 1945. 389.9 B73
- 5075 BROWNSTONE, C. Nutrition study program for families, Parent-Teacher Associations, mothers' clubs, child study and other groups and individuals interested in good nutrition. Parents' Mag. 20(12): 66, 69, 70. Dec. 1945. 320.8 C433
- 5076 BUIGNE, J. DE. Quelques fabrications d'ordre alimentaire; l'hydrolyse de matières protéiques dans la préparation des bouillons concentrés, etc. Rev. des Prod. Chim. 44: 281-286. Nov. 15/30, 1941. Ref. 383 R327
- 5077 BUTLER, A. M., and others. Effect of testosterone propionate on losses incident to inadequate dietary intake. J. Clin. Endocrinol. 5: 327-336. Oct. 1945. Ref. 448.8 J8294  
N. B. Talbot, E. A. MacLachlan, J. E. Appleton, and M. A. Linton, joint authors.
- 5078 CABANILLAS, B. Labor para mejorar la alimentación en Hispano America. Nutr. al Día No. 12, p. 10-11. Sept./Oct. 1945. 275.29 P96N
- 5079 CASTLE, W. B. Disease factors conditioning malnutrition. Nutr. Rev. 3: 289-290. Oct. 1945. 389.8 N953



- 5080 CLIFFE, A. E. This question of foods. *Milling and Feed* 26(11): 5, 8, 18. Nov. 1945. 298.8 C162
- 5081 ESCUDERO, P. El crecimiento y el desarrollo del niño. Argentina. *Inst. Nac. de la Nutr. P. Cient. CNP* 5, ed. 5, 93 p. 1943. 389.9 Ar4P
- 5082 ESCUDERO, P. Synthèse des délibérations et conclusions de la III<sup>e</sup> Conférence Internationale de l'Alimentation (Buenos-Aires 9-14 octobre 1939). *Off. Internatl. d'Hyg. Pub. [Paris]*, B. Mens. 33: 511-516. Sept./Oct. 1941. 449.75 Of2
- 5083 FLETCHER, M. G. Lunches for school children. *Kans. State Col. Ext. Neighborhood Leader*, Oct. 1945, p. 3. 275.29 K13N
- 5084 GOODNIGHT, F. Eye openers for breakfast. Tired eyes and blurred vision sometimes come from food lacks which your breakfast can correct. *J. Living* 11(6): 13-14. Dec. 1945. 389.8 J822
- 5085 GOUNELLE, H., and MANDE, R. Précisions sur la ration alimentaire d'un groupe de familles parisiennes de mai à juillet 1941. *Acad. de Med. [Paris]* B. Ser. 3, 125: 291-293. Nov. 18/25, 1941. 442.9 P21
- 5086 HAGEMAN, M. I. A study of plate waste as a directive measure in food conservation: part I. *Amer. Dietet. Assoc. J.* 21: 608-610. Nov. 1945. Ref. 389.8 Am34
- 5087 HENRY, M. "Via vegetarianism." *Veg. Messenger and Health Rev.* 42: 211-212. Nov. 1945. 389.8 V522
- 5088 INSTITUTO NACIONAL DE LA NUTRICIÓN. Memoria anual, 1940. *Inst. Nac. Nutr. P. APB* 4, 258 p. Buenos Aires, 1943. 389.9 Ar3M
- 5089 ISAKSEN, J. P. School lunch programs offer better health for children and bigger markets for farmers. *Dakota Farmer* 65(20): 30-31. Oct. 20, 1945. 6 D14
- 5090 KAHN, F. Foods for your moods. *J. Living* 11(6): 3-7. Dec. 1945. 389.8 J822
- 5091 KLATSKY, M. Function versus nutrition as a controlling factor in dental health: an anthropologic survey. *Amer. Dent. Assoc. J.* 32: 1416-1426. Nov./Dec. 1945. 448.8 Am322
- 5092 KLINGE, G. Política agrícola-alimenticia. (Decimacuarta parte). *Vida Agr.* 22: 489, 491-498. June 1945. 9.8 V66
- Taxes and nutrition.
- 5093 LATTIE, A. Ninety-four years a vegetarian. *Veg. Messenger and Health Rev.* 42: 216-218. Nov. 1945. 389.8 V522
- 5094 MCCRAY, D. Know your nutrition. *Hygeia* 23: 842, 844, 846. Nov. 1945. 449.8 H993
- Quiz, with answers.
- 5095 MCHENRY, E. W. Adventures in good eating. *Ontario Milk Prod.* 21: 148. Nov. 1945. 44.8 On8
- School lunches.
- 5096 MACHADO, J. A. Conceptos sobre alimentación humana. *Agrario* 9(363): 14. June 15, 1945. 9.3 Ag85
- 5097 MCMAHUS, R. L. An approach to the measurement of nursing competence with special reference to nutrition, foods, and cookery. *Amer. Dietet. Assoc. J.* 21: 618-622. Nov. 1945. 389.8 Am34
- 5098 MARTEL, H. Au sujet des produits de remplacement. *Acad. de Med. [Paris]* B. Ser. 3, 125: 279-282. Nov. 18/25, 1941. 448.9 P21
- 5099 MARTON, S. Food allergies. *Hygeia* 23: 338, 840. Nov. 1945. 449.8 H993
- 5100 MELLANBY, SIR E. La ciencia de la nutrición en medicina. *Medicina; Rev. Mex.* 25: sup. 137-143. Sept. 25, 1945. 448.8 M4693
- 5101 MERINO, M. C. DE. Ensayo de alimentación suplementaria a los alumnos de la Escuela Maternal de San José. *Salud* 7(1/3): 27-36. Jan./Mar. 1943. 449.8 C82
- 5102 PACKENIUS, W. F. Die bäuerliche kost. *Deut. Agrarpolitik* 1: 161-162. Feb. 1943. 281.8 D48
- 5103 PERSOV, S. Food research in Russia. *Food* 14: 244. Sept. 1945. 389.8 F738
- On the Institute of Physiology of Nutrition.
- 5104 PYKE, M. Algunos principios de las medidas alimenticias en tiempo de guerra. *Medicina; Rev. Mex.* 25: sup. 145-152. Oct. 10, 1945. 448.8 M4693
- Great Britain.
- 5105 ROBERTS, F. Relieving headaches through foods. Certain foods may be a pain in the head to you - because you eat or don't eat them. *J. Living* 11(6): 27-29. Dec. 1945. 389.8 J822
- 5106 SIEVERS, R. S. G. I. Joe eats well and wastes little in best-fed army. *Macaroni J.* 27(6): 10-11. Oct. 1945. 298.8 N46
- 5107 TROWELL, H. C., and MWAZI, E. M. K. Severe and prolonged underfeeding in African children (The Kwashiorkor syndrome of malignant malnutrition). *Arch. Dis. in Childhood* 20: 110-116. Sept. 1945. 448.8 Ar28
- 5108 VAN HUYSEN, G. Control of tooth decay using low carbohydrate diets. *Ind. State Bd. Health, Monthly B.* 18: 232-233, 235. Oct. 1945. 449.7 In2M
- 5109 VANN, MRS. M. J. Better school lunches build strong citizens. *Manitoba Co-op.* 3(7): 10. Nov. 1, 1945. 280.28 M31
- 5110 VIGNES, H. L'alimentation des nouveau-nés et les restrictions alimentaires. *Rev. de Path. Compar.* 41: 189-193. May 1940/June 1941. 448.8 R326
- 5111 WIEHL, D. G., and BERRY, K. Medical evaluation of nutritional status. XVI. Essential nutrients in diets of high school students according to sex and age for different cultural groups in New York City. *Milbank Mem. Fund Q.* 23: 353-385. Oct. 1945. Ref. 449.9 M582
- 5112 WOODS, R., ed. Isotopes in nutrition research. II. Mineral metabolism. *Borden's Rev. Nutr. Res.* 6(9): 1-10. Nov. 1945. 389.8 B64

## FOOD HABITS

- 5113 BEAMISH, H. V. Odd edibles. *Field* 186: 269. Sept. 15, 1945. 10 F45
- Unusual fish, eggs, birds, etc.
- 5114 FINE, L. Lessons in a school cafeteria. *Forecast for Home Econ.* 61(11): 68, 80, 82. Nov. 1945. 321.8 F76
- Encouragement of better eating habits.
- 5115 TORRES, R. M. Nutrición en Colombia. *Nutr. al Día*, No. 12, p. 1-6. Sept./Oct. 1945. 275.29 P96N
- 5116 WHITE, M. Why women prefer to eat at the soda fountain. *Amer. Druggist* 112(5): 94-95, 138. Nov. 1945. 396.8 Am32

## NUTRITIVE AND VITAMIN CONTENT

- 5117 BANERJEE, S. A study of the nutritional value of the cooked diets as consumed by students in Calcutta with reference to seasonal variations. *Ann. Biochem. and Expt. Med.* 1: 1-9. Mar. 1941. Ref. 448.8 An73
- 5118 BIBLIOGRAPHY of vitamin "F" *Nutr. Res.* 5(2): 2-3. Oct. 1945. 389.8 N954
- 5119 BLOOR, W. R. New concept about butter revealed by research. Chemical composition of a food fat helps to determine the nutritive efficiency of other foods. It is highly probable, therefore, that some fats are more efficient than others in so far as their influence on utilization of the carotene of a mixed diet is concerned. *Certified Milk* 20(234): 5. Oct. 1945. 44.8 C33

- 5120 BOOHER, L. E. Importance of flour enrichment. The American diet now is a better balanced diet by addition of vitamins and minerals. North-west. Miller (Milling Prod. Sect.) 224(7): 3a, 21a-22a. Nov. 13, 1945. 298.8 M81
- Same article under title "Is enrichment important?" in Bakers' Weekly 128(7): 55-57. Nov. 12, 1945. 389.8 B172
- 5121 BRAGANCA, B. DE M. Nicotinic acid content of fish. Ann. Biochem. and Expt. Med. 4: 41-44. 1944. 448.8 An73
- 5122 BRICKER, M., MITCHELL, H. H., and KINSMAN, G. M. The protein requirements of adult human subjects in terms of the protein contained in individual foods and food combinations. Jour. Nutr. 30: 269-283. Oct. 10, 1945. Ref. 389.8 J82
- 5123 BUCHANAN, A. Children's health maintained; three out of four now take school milk. Dairyman 62: 259. Oct. 1945. 44.8 M426
- 5124 C., A. Les vitamines. Prog. Agr. et Vitic. 114: 322-327. (To be cont.) Nov. 17, 1940. 14 P94
- 5125 CANNON, M. D., BOUWELL, R. K., and ELVE-HJEM, C. A. The vitamin content of casein. Science 102: 529-530. Nov. 23, 1945. 470 Sci2
- 5126 CARRIÈRE, and VIELES. Le châtaigne: aliment précieux. Prog. Agr. et Vitic. 114: 262-266. Oct. 27, 1940. 14 P94
- 5127 CASTEL, A. Les vitamines. Prog. Agr. et Vitic. 115: 25-30, 57-59. Jan. 12, 19, 1945. 14 P94
- 5128 CASTRO LEE, B. Apuntes sobre el calcio con referencia a determinaciones de ácido oxálico y calcio hechos en algunas legumbres costarricenses. Salud 7(1/3): 3-26. Jan./Mar. 1943. Ref. 449.8 C82
- 5129 COFER, E. S. Handle with care; vitamins enclosed. South. Agr. 75(11): 51. Nov. 1945. 6 So83
- 5130 COTO FERNÁNDEZ, R., and BALTOIANO G., B. Más calcio y fósforo en las sopas. Rev. de Agr. [San Jose] 17: 483, 485-486. Oct. 1945. 8 Esl
- 5131 DARLING, D. B., and NILSON, H. W. Nutritive value of roast rabbit and beef. Amer. Rabbit J. 15: 51. July/Aug. 1945. 40.28 Am3
- Also in Small Stock Mag. 29(11): 24B. Nov. 1945. 48.8 P442
- 5132 DIAZ, H. Vitamina C. Nutr. al Día, No. 12, p. 13. Sept./Oct. 275.29 P96N
- 5133 DOYLE, W. T. Vitamins still mean dollars. Drug & Cosmetic Indus. 57: 458-459, 558, 560-562. Oct. 1945. Ref. 396.8 D842
- 5134 FRAUDSEN, J. H. Milk products valuable in bread enrichment. Certified Milk 20(234): 7, 18. Oct. 1945. 44.8 C33
- 5135 GÓMEZ RUEDA, M. Un vaso de leche. Vida Rural 6(61): 29-31. Aug. 1944. 9.4 V66
- Nutritive value.
- 5136 HANSON, H. T. The role of coffee in industrial feeding. Coffee Trade Rev. and Statis. B. 4 (10): 2-3. Oct. 1945. 68.28 C65
- 5137 HARDING, T. S. Alcohol beverages and genus Homo sapiens. Amer. J. Pharm. 117: 327-334. Sept. 1945. 396.8 Am3
- 5138 HERRINGTON, B. L. Butter tested for vitamin A; study of 372 samples shows good quality butter sold in poor as well as wealthy areas of Syracuse. Farm Res. 11(4): 1, 6. Oct. 1, 1945. 100 N48A
- 5139 HOCHBERG, M., MELNICK, D., and OSER, B. L. Physiological availability of the vitamins. V. The effect of copper on extra dietary ascorbic acid. J. Nutr. 30: 225-231. Oct. 10, 1945. Ref. 389.8 J82
- 5140 HODLER, P. W., and GARNATZ, G. A simplified test for riboflavin in enriched flour. Assoc. Oper. Millers. B. Nov. 1945, p. 1475-1476. 298.9 As7
- 5141 JAMES, E. M., and WOKES, F. The fluorimetric estimation of vitamin B<sub>1</sub> in tablets and other pharmaceutical products. Q. J. Pharm. and Pharmacol. 18: 258-266. July/Sept. 1945. Ref. 396.8 Q2
- 5142 JOLLIFFE, N. The preventive and therapeutic use of vitamins. Amer. Med. Assoc. J. 129: 613-617. Oct. 27, 1945. 448.9 Am37
- 5143 KENT, I. R. Vitamin bingo. Agr. Leaders' Digest 26(9): 56-58. Nov. 1945. 275.28 Am3
- 5144 KENT, N. L. A rapid test for the presence of free nicotinic acid in flour. Milling 105: 294. Oct. 27, 1945. 298.8 M622
- 5145 KRUKOVSKY, V. N. Ascorbic acid in milk as controlling factor in development of oxidized flavor. Amer. Milk Rev. 7: 428. Nov. 1945. 44.8 Am38
- 5146 LAHIRY, N. L., and ANANTAKRISHNAN, C. P. Nutritive value of some species of the salt-water fish of the west coast of India. Ann. Biochem. and Expt. Med. 2: 13-16. 1942. 448.8 An73
- 5147 LAMPITT, L. H., BAKER, L. C., and PARKINSON, T. L. Vitamin-C content of vegetables. Part IV. Effect of cooking on cabbage. Soc. Chem. Indus. J. 64: 260-262. Sept. 1945. 382 M31
- 5148 LAMPITT, L. H., BAKER, L. C., and PARKINSON, T. L. The vitamin-C content of vegetables. Part V. The influence of variety. Soc. Chem. Indus. J. 64: 262-264. Sept. 1945. 382 M31
- 5149 LEBARON, G. A. Milk and health. Macdonald Col. J. 6(1): 25. Sept. 1945. 101 M44
- 5150 LECOQ, R., and RAFFY, A. Composition chimique et activité vitaminique B<sub>2</sub> des graines de Parkia africana R. Br. Paris. Acad. des Sci. Compt. Rend. 218: 169-171. Jan. 1944. 505 P21
- 5151 LEGG, G. Of cabbages and kinks. To ward off winter stiffness, you need what Brussels sprouts, the Tom Thumb cabbages, can give you. J. Living 11(6): 53-55. Dec. 1945. 389.8 J822
- 5152 LEIGHTON, A. E. The chemist considers the vitaminization and mineralization of candy. Mfg. Confectioner 25(11): 20-22. Nov. 1945. 389.8 M31
- 5153 LESLIE, R. Pesquisas de vitamina "C" em verduras cruas e cozidas realizadas no laboratório do SAPS. Brazil. Serv. de Aliment. de Previdência Social. SAPS 1(10): 39-40. Aug. 1945. 389.9 B73
- 5154 MCCAY, C. M., and others. The nutritive value of naval food. U. S. Bur. Med. and Surg. U. S. Nav. Med. B. 45: 903-909. Nov. 1945. Ref. 153.45 Un3
- F. H. Davis, R. A. Gortner, Jr., G. E. Haugen, and J. H. Sullivan, joint authors.
- 5155 MCCAY, J. B. Meats in a nutshell. Richly concentrated in nutrients and economical in cost, nuts are an important addition to the diet. Amer. Cookery 51(3): 36-37, 63-64. Nov. 1945. 389.8 B65
- 5156 MACGILLIVRAY, J. H. Short and long food chains among vegetable crops. Science 102: 533-535. Nov. 23, 1945. 470 Sci2
- 5157 MACHADO, A. Manera de evitar las pérdidas de las vitaminas en la preparación de alimentos de origen animal y vegetal. Suelo Argentino 4: 532, 536. Aug. 1945. 9 Su2
- 5158 MAIGNON, F. Rôle des graisses dans la nutrition; glycogénie et diabète; utilisation des protéines alimentaires. Rev. Sci. [Paris] 79: 363-370. July/Aug. 1941. Ref. 473 R32
- 5159 MALAVASI, E. Valor alimenticio del guineo (Musa sapientum Linneo). Salud 7(1/3): 27-36. Jan./Mar. 1943. 449.8 C82
- 5160 MARTINEZ, J. M. En defensa de los alimentos crudos. Cult. Agr. 4(45): 6-7. June/July 1945. 9.4 C89
- 5161 MARX, V. E. The value of milk in bakery products. Bakers Weekly 128(8): 41-42, 52, 56, 60. Nov. 19, 1945. 389.8 B172



5162 MELNICK, D., OSER, B. L., and HOCHBERG, M. Nutritional aspects of an improvement in baking powder formulation. *Amer. Dietet. Assoc. J.* 21: 611-615. Nov. 1945. Ref. 389.8 Am34  
Effect on stability of thiamin.

5163 MELNICK, D., HOCHBERG, M., and OSER, B. L. Physiological availability of the vitamins. VI. The effect of adsorbents on thiamine. *J. Nutr.* 30: 233-238. Oct. 10, 1945. Ref. 389.8 J82

5164 MITCHELL, H. R., and SMITH, J. M. The effect of cocoa on the utilization of dietary calcium. *Amer. Med. Assoc. J.* 129: 871-873. Nov. 24, 1945. 448.9 Am37

5165 MITRA, K., and GHOSE, A. K. Ascorbic acid value of Indian gooseberry (*Phyllanthus emblica*). *Ann. Biochem. and Expt. Med.* 2: 205-210. 1942. 448.8 An73

5166 MULLICK, D. N., and AHMAD, B. The effect of orange juice on the assimilation of calcium and the histological structure of the developing teeth. *Ann. Biochem. and Expt. Med.* 1: 147-150. June 1941. 448.8 An73

5167 MULLICK, D. N. Investigations into Indian diets. Parts I-IV. *Ann. Biochem. and Expt. Med.* 2: 25-46. 1942. 448.8 An73

Contents: I. Their effect on the health and well-being of three generations of rats. II. Their effect on the chemical composition of bone and teeth. III. A histological technique for assaying the nutritional value of the dietaries. IV. A new method for the study of calcification.

5168 PAL, R. K., and BOSE, N. M. A comparison of the antiscorbutic values of some common pulses and cereals in a sprouted condition. *Ann. Biochem. and Expt. Med.* 5: 31-32. 1945. 448.8 An73

5169 PROSKURIAKOV, N. I., and PAVLINOVA, O. A. Mushrooms as a source of vitamin PP. *Acad. des Sci. l'U. R. S. S. Compt. Rend.* 47: 283-285. May 10, 1945. 511 p444

5170 RANDOIN, L., and BOISSELOT, J. Détermination de la valeur antiscorbutique de fruit comestible exceptionnellement riche en vitamine C. *Sec. de Biol. Compt. Rend.* 135: 209-212. Feb. 1941. 442.9 P21

5171 RAO, A. M., RAMACHANDRAN, K., and RAO, Y. V. S. Vitamin B<sub>1</sub> studies. Part II. Vitamin B<sub>1</sub> content of some Indian foodstuffs by the thiochrome method using a sensitive photoelectric fluorimeter. *Ann. Biochem. and Expt. Med.* 2: 191-196. 1942. Ref. 448.8 An73

5172 RAO, S. D., and RANGNEKAR, Y. B. Apparent carotene and vitamin C in dehydrated vegetables. *Cur. Sci. [India]* 14: 245. Sept. 1945. 475 Sci23

5173 RICHTER, K. Carrots in the diet. *Union So. Africa. Dept. Agr. and Forestry. Inform. Housewives*, No. 80, 2 p. Pretoria, 1945. 24 So821

5174 ROY, A., and SEN, P. B. The estimation of cystine, tyrosine and tryptophane in some common edible fishes of Bengal. *Ann. Biochem. and Expt. Med.* 1: 321-324. 1941. 448.8 An73

5175 ROY, S., and BANERJEE, S. A study of the vitamin-A nutrition of some human subjects with the biophotometer. *Ann. Biochem. and Expt. Med.* 1: 127-134. June 1941. Ref. 448.8 An73

Relation of vitamin A to dark adaptation of the eye.

5176 ROY, S. K., and RUDRA, M. N. The state of vitamin C nutrition in pulmonary tuberculosis. *Ann. Biochem. and Expt. Med.* 1: 307-310. 1941. 448.8 An73

5177 SAHA, K. C. Available iron in fish. Parts II-IV. *Ann. Biochem. and Expt. Med.* 1: 195-202, 225-234, 263-270. 1941. Ref. 448.8 An73

Contents: II. The nature of iron in fish tissue. III. Further studies on the nature of non-haemin iron in fish. IV. Biological availability of iron in the iron-copper-nucleoprotein complex obtained from fish muscle tissue.

5178 SAHA, K. C. Copper content of fish. *Ann. Biochem. and Expt. Med.* 1: 79-82. Mar. 1941. 448.8 An73

5179 SAHA, K. C. Nicotinic acid content of fish. *Ann. Biochem. and Expt. Med.* 1: 75-76. Mar. 1941. 448.8 An73

5180 SAHA, K. C., and GHOSH, N. C. Nutritional investigations on fish. *Ann. Biochem. and Expt. Med.* 1: 159-162. June 1941. 448.8 An73

5181 SCHEURER, Die haltbarkeit der l-ascorbinsäure. *Schweiz. Chem. Ztg.* 28: 360-362. Oct. 1945. 385 T22

5182 SEN GUPTA, A. B., SARKER, B. B., and GUHA, B. C. A comparative study of the chemical and biological methods of estimation of vitamin C of cabbage juice. *Ann. Biochem. and Expt. Med.* 1: 187-194. June 1941. 448.8 An73

5183 SINGH, K. K. Get your vitamins the natural way: oranges - a solution to your vitamin problems. *Punjab Fruit J.* 9: 133. July 1945. 80 P962

5184 SLANETZ, C. A., and SCHARF, A. Effect of soybean phosphatides on vitamin A metabolism. *J. Nutr.* 30: 239-243. Oct. 10, 1945. 389.8 J82

5185 TANON, L. Sur l'addition de phosphate de chaux et de vitamine D à des biscuits pour parer au déficit calcique. *Acad. de Med. [Paris]* B. Ser. 3, 125: 370. Dec. 16/23, 1941. 448.9 P21

5186 THIESSEN, E. J., and SAYLOR, N. Acceptability of vegetables in an army mess. *Amer. Dietet. Assoc. J.* 21: 616-617. Nov. 1945. 389.8 Am34

5187 EL VALOR del vino en la alimentación. Difundir su consumo es luchar contra el alcoholismo. *Inst. Enol. Carnet del Vinic. No. 3*, p. 5-6, 8-10, 12-13. 1944. 390.9 M76

5188 VANN, MRS. M. J. Choose your calories for the company they keep. *Manitoba Co-op.* 3(6): 5. Oct. 15, 1945. 280.28 M31

5189 VELASCO, J. DEL C. El marañón. *Pro-Vida* 26(289): 20. Oct. 1945. 475 P942

5190 VICKERY, H. B. Plant proteins. *Nutr. Rev.* 3: 257-259. Sept. 1945. 389.8 N953

5191 VITAMIN enriched ice cream introduced in Los Angeles by Arden Farms Company. *Ice Cream Rev.* 29(4): 41, 52. Nov. 1945. 398.8 Ic22

5192 VITAMINS; a controversy on enrichment; use of wheat and corn germs and brewers' yeast suggested. *Bakers' Rev.* 91(5): 38, 40-41. Nov. 1945. 389.8 B175

5193 VITAMINS B<sub>1</sub> and B<sub>6</sub>; a recent investigation in its true perspective, by the science editor. *Milling* 105: 312-313. Nov. 3, 1945. 298.8 M622

5194 WATSON, E. K., and others. Calcium metabolism of preschool children. *J. Nutr.* 30: 259-268. Oct. 10, 1945. Ref. 389.8 J82

E. W. McGuire, F. L. Meyer, and M. L. Hathaway, joint authors.

5195 WHITE bread or brown? A debate between the Radio Doctor and Dr. D. W. Kent-Jones. *Milling* 105: 278-279, 284. Oct. 20, 1945. 298.8 M622

## MISCELLANEOUS

### GENERAL

5196 BARQUERO MORA, H. Es necesario conservar las carretas y caminos como medio de impulsar la agricultura nacional. *Agr. Costarricense* 3: 284-286. July 1945. 8 Ag895

5197 BARTLETT, H. A. Problems in areas that are "pheasant-infested." *Dakota Farmer* 65(22): 5. Nov. 17, 1945. 6 D14

- 5198 BEALE, G. H. Recent biological work in Finland. *Nature* [London], 156: 357-359. Sept. 22, 1945. 472 N21  
Includes work in plant physiology, animal physiology, and cytology and genetics.
- 5199 BERNES, J. Un grand ennemi de l'agriculture: la pie. *Prog. Agr. et Vitic.* 114: 344-347. Nov. 24, 1940. 14 P94
- 5200 BORG, R. M., and DAWSON, J. C. Fumigating apple storages: controlling rodents and hibernating codling moth larvae with methyl bromide. *Amer. Fruit Grower* 65(11): 14-15, 24, 31-32. Nov. 1945. 80 G85
- 5201 BUTCHER, F. G. Now is time to get rid of rats. *Farmer* [St. Paul], Gen. Ed. 63(22): 6. Nov. 17, 1945. 6 F2211
- 5202 CANADIAN INFORMATION SERVICE. The Food and Agriculture Organization of the United Nations. *Canad. Inform. Serv. Ref. Papers*, No. 40, 22 p., processed. Ottawa, 1945. 280.9 C166
- 5203 CHICAGO NATURAL HISTORY MUSEUM. Report, 1944. 133 p. Chicago, 1945. 500 C432R
- 5204 COTTAM, C., and ZIM, H. S. Bad news for brother rat. *Sat. Evening Post* 218(19): 17, 113-116. Nov. 10, 1945. 110 S  
Discovery of a new rodent poison.
- 5205 CRAM, J. S. Fight against hunger and poverty planned at international sessions. *Family Herald and Weekly Star* 76(44): 4. Oct. 31, 1945. 7 F21  
The Quebec conference of the Food and Agriculture Organization of the United Nations.
- 5206 CURRELL, S. C. Acquisition policies of an agricultural library. *Libr. J.* 70: 1062-1064. Nov. 15, 1945. 243.8 L61
- 5207 CYPRUS. DEPT. OF AGRICULTURE. Annual report, 1944, 8 p. Nicosia, 1945. 21 C99
- 5208 ELLIOTT, J. Lessons at first hand from Tennessee farmers. *Prog. Farmer, Ky.-Tenn.-W.Va.* Ed. 60(11): 26. Nov. 1945. 6 P945K  
Barn hay driers important; year-round culling of poultry; returns from dairy cows; value of phosphates, lime, and cover crops in cotton growing.
- 5209 EVANG, K. The United Nations Conference on Food and Agriculture, Hot Springs, Virginia, 18th May-3rd June, 1943. *Nutr. Soc. Proc.* 2: 163-166. 1944. 389.9 N953
- 5210 FREEMAN, O. W. Natural resources and urban development. *Amer. Acad. Polit. and Soc. Sci. Ann.* 242: 30-45. Nov. 1945. 280.9 Am34  
Includes agricultural, forest, water, and fish resources.
- 5211 GROFF, C. G. Primary producer basic factor in freedom from want world effect. *Country Life* [Vernon] 29(10): 15. Nov. 1945. 7 C832  
On the FAO Conference in Quebec.
- 5212 GHIDINI, G. M. Materiali per una bibliografia zoologica dell'Africa Orientale Italiana. *Riv. di Biol. Colon.* 4: 171-185, 301-326; 5: 49-60, 209-218; 6: 65-76, 149-169. June, Dec. 1941; Apr., Dec. 1942; Jan./Apr., May/June 1943. 442.8 R522
- 5213 GUATEMALA. SECRETARÍA DE AGRICULTURA. Memoria de las labores del Poder Ejecutivo en el ramo de agricultura, 1943, 227 p. Guatemala, 1944. 254 G931
- 5214 HAMBIDGE, G. The coming war against want. *United Nations Interim Comm. Food and Agr. Inf. Doc.* 33, 4 p., processed. Washington, D. C., 1945. 389.9 Un36  
On the work of the Food and Agriculture Organization of the United Nations.
- 5215 HARDY, E. Preserving Palestine's flora and fauna. *Palestine and Middle East* 17: 174-175. Oct. 1945. 286.8 P172
- 5216 IZRAIL'SKIĬ, V. P. Antagonisticheskie veshchestva kak novyi faktor v bor'be s bakterifami, patogennymi dlifa zhivotnykh i rastenii (Antagonistic substances and bacterial control in animals and plants). *Uspekhi Sovremennoi Biol.* 19: 358-371. 1945. Ref. 442.8 Er3  
Survey of fungi and bacteria for antibacterial activity.
- 5217 KIHLSSTRUM, M. B. Building rats out is only sure way. *Northwest. Miller* 224(7, sect. 2): 5a-7a. Nov. 13, 1945. 298.8 N81
- 5218 LANCASTER, S. P. The Royal Agricultural and Horticultural Society of India. *In Calcutta. Royal Botanic Garden, The 150th anniversary volume*, p. 243-246. Alipore, Bengal Govt. Press, 1942. 460.12 C12
- 5219 LANCUM, F. H. Wild animals and agriculture. 6. The rabbit. *Gt. Brit. Min. Agr. Agriculture* 52: 276-278. Sept. 1945. 10 G79J  
Rabbits as pests.
- 5220 LANCUM, F. H. Wild animals and agriculture. 7. The hare. *Gt. Brit. Min. Agr. Agriculture* 52: 331-334. Oct. 1945. 10 G79J
- 5221 METELLO, A. Ponta Porá - uma região de extraordinárias possibilidades naturais. *Brazil. Min. da Agr. B.* 33(4): 87-94. Apr. 1944. 9.2 Ag83
- 5222 MILA, L. Les campagnols. *Prog. Agr. et Vitic.* 115: 141-143, 154-156, 219-223. Feb. 23, Mar. 2, 23-20, 1941. 14 P94
- 5223 MILBURN, V. S. Farm, industry, labor conference [needed]. *Rural Co-op.* 10(3): 3. Oct. 9, 1945. 280.28 R88
- 5224 MODERN methods of rat poisoning. *North. Ireland. Min. Agr. Monthly Rpt.* 20: 137-140. Sept. 1945. 256.13 Ag82M
- 5225 O., J. M. El llano, tierra de promisión. *Rev. Pecuaria*, No. 83, p. 24-25. Aug. 1945. 49 R326  
Resources of Venezuela.
- 5226 OBERTI, F. Los motivos agrícolas y ganaderos en los antiguos billetes de banco. *Chacra* 15(179): 60-61. Sept. 1945. 9 C34
- 5227 PETERSON, E. Wild life depends on proper land use. *Dakota Farmer* 65(21): 13. Nov. 3, 1945. 6 D14
- 5228 REORGANISATION of the [Queensland] Department of Agriculture and Stock. *Queensland Agr. J.* 61: 144-151. Sept. 1, 1945. 23 Q33
- 5229 RICKLEFS, R. B. Sees challenge in Kansas conference. *Amer. Nurseryman* 82(11): 14-16. Dec. 1, 1945. 80 Am371  
Agricultural-Industrial Conference, Nov. 1945.
- 5230 S. C. DEPT. OF AGRICULTURE. Year book, 1943/1944. 298 p. Columbia, 1945? 2 So82
- 5231 SOUTHERN RHODESIA. DEPT. OF AGRICULTURE AND LANDS. Report, 1944. *Rhodesia Agr. J.* 42: 323-344. July/Aug. 1945. 24 R34
- 5232 THOMSON, J. A., and HORNEY, C. D. Rats and how to destroy them; with notes on house-mice, voles, field mice and grey squirrels. *Gt. Brit. Min. Agr. and Fisheries. B.* 30, ed. 7, 17 p. London, 1945. 10 G794B
- 5233 TRELEASE, S. F. Selenium in soils, plants, and animals. *Soil Sci.* 60: 125-131. Aug. 1945. Ref. 56.8 So3
- 5234 UNITED NATIONS INTERIM COMMISSION ON FOOD AND AGRICULTURE. Facts about FAO, the Food and Agriculture Organization of the United Nations. *United Nations Interim Comm. Food and Agr. Inf. Doc.* 31, 6 p., processed. Washington, D. C., 1945. 389.9 Un36
- 5235 VESTAL, A. G. The literature of Illinois natural history and geography. *Ill. State Acad. Sci. Trans.* (1944) 37: 63-65. 1944. 500 IL6
- 5236 WAHLEN, F. T. Bericht über die Tätigkeit der Eidg. Landwirtschaftlichen Versuchsanstalt Zürich-Oerlikon für die Jahre 1938 bis 1942. *Landw. Jahrb. der Schweiz* 58: 317-416. 1944. 17 L23  
Agricultural chemistry, fertilizers, feedingstuffs, and plant science.



5237 WATSON, J. R. Stop shooting your friends! Wildlife more useful to farmer than hunter. Fla. Grower 53(11): 21, 24. Nov. 1945. 80 F6622

## HISTORY AND BIOGRAPHY

5238 ADDRESSES presented at the pilgrimage to Monticello on April 13, 1944. Agr. Hist. 19: 178. July 1945. 30.98 Ag8

Contents: A tribute from the Land-Grant College Association, by J. R. Hutcheson; Thomas Jefferson—founder of modern American agriculture, by C. R. Wickard; Jefferson's gardens at Monticello, by E. M. Betts; Monticello: an experimental farm, by J. E. Ward; Thomas Jefferson survives, by C. R. Woodward; Living agricultural museums, by H. A. Kellar.

5239 ALLRED, B. W. Death of a great ecologist [Frederic Edward Clements, 1874-1945]. Soil Conserv. 11: 94. Oct. 1945. 1.6 So35

5240 ANDRES GARCILASO, R. Francisco P. Moreno, el paladin de la Patagonia. Chacra 15(179): 75. Sept. 1945. 9 C34

5241 BEESKOW, H. C. In honor of Dr. Ernst A. Bessey. Science 102: 417-418. Oct. 26, 1945. 470 Sci2

Retiring as head of Dept. of Botany, Michigan State College to continue mycological research.

5242 BERNES, J. Nécrologie; Léopold Guilhot. Prog. Agr. et Vitic. 116: 90. Sept. 7, 1941. 14 P94

5243 BRUES, C. T. Herbert Eugene Walter [1867-1945]. Science 102: 554-555. Nov. 30, 1945. 470 Sci2

5244 BUCHET, G. Francis Lambert. Prog. Agr. et Vitic. 115: 6-9. Jan. 5, 1941. 14 P94

5245 CONRAD, F. A. Elzer DesJardins Tetreau, 1885-1945. Sociol. and Social Res. 30: 136-138. Nov./Dec. 1945. 280.8 So15

5246 EDWARDS, E. E. The National Agricultural Jefferson Bicentenary Committee; its activities and recommendations. Agr. Hist. 19: 167-178. July 1945. 30.98 Ag8

5247 GARCILASO, A. La agricultura, una gran pasión de Sarmiento. Chacra 15(180): 67. Oct. 1945. 9 C34

5248 H., C. Gabriel Buchet est promu inspecteur général de l'agriculture. Prog. Agr. et Vitic. 115: 245-246. Apr. 13, 1941. 14 P94

5249 HOFFMANN, S. Pasteurs bedeutung als mikrobiologe. Schweiz. Milch Ztg. 71: 340. Sept. 25, 1945. 44.8 Sch92

5250 HUTCHINSON, J. Pioneer of utility livestock; this is the 150th anniversary of the death of Robert Bakewell, Squire of Dishley. Farmers Weekly [London] 23(15): 28-29. Oct. 12, 1945. 10 F2226

5251 INGWERSON, W. E. T. Obituary: Frederick William Millard, V. M. E. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 88-90. June 1944. 84 A16

5252 INGWERSON, W. E. T. Obituary: The Rev. Professor E. S. Lyttel. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 126-127. Sept. 1944. 84 A16

5253 JORDAAN, J. J. Poultry men and women as I knew them; Arthur James Reid Stevens. So. African Poultry, Pigeon and Bird Mag. 51: 255. Oct. 1945. 47.8 So83

5254 LAPIQUE, L. Notice nécrologique sur André Paillot. Paris. Acad. des Sci. Compt. Rend. 220: 205-206. Feb. 12, 1945. 505 P21

5255 MATZKE, E. B. Carlton C. Curtis [1864-1945]. Science 102: 390-391. Oct. 19, 1945. 470 Sci2

5256 PAMPANINI, R. Pio Bolzon (1867-1940). Nuovo Gior. Bot. Ital. (n. s.) 49: 304-310. 1942. 450 N92

List of his publications, p. 308-310.

5257 PEEDE, L. G. Luther Burbank, el gran genético de California. Cuba. Min. de Agr. Rev. 28 (3): 33, 63. July/Sept. 1945. 8 Ag88Re

5258 PELLETT, F. C. Presentation of the Dr. N. F. Hansen medal. Iowa State Hort. Soc. Trans. (1944) 79: 26-28. 81 Io9

5259 PURDY, C. Autobiography. Flower Grower 32: 534, 556. Nov. 1945. 80 M72

5260 RANDS, R. D. Ernest Adam Dopp 1896-1944. Phytopathology 35: 745-746. Oct. 1945. 464.8 P56

5261 RICE, J. E. Pilot of the farmlands. Cornell Countryman 43(1): 10. Nov. 1945. 6 C81  
Work of Professor I. P. Roberts at Cornell University.

5262 ROLLER, J. W. Agricultural designs in early Peruvian pottery; archaeological remains in Peru reflect a high standard of agricultural development in the country centuries ago. Agr. in the Americas 5: 212-215. Nov. 1945. 1 F752A

5263 SANSOME, F. W. Prof. F. von Wettstein [1895-1945]. Nature [London] 156: 328. Sept. 15, 1945. 472 N21

5264 SMITH, R. C. Biologists in the National Roster of Scientific and Specialized Personnel. Sci. Monthly 61: 359-360. Nov. 1945. 470 Sci23

5265 TAMARY, S. The past of Trans-Jordan. Palestine and Middle East 17: 172-173, 179. Oct. 1945. 286.8 P172

Includes account of agriculture, particularly efforts toward soil and water conservation.

5266 THOMPSON, D. W. Dr. Gustav Senn [1876-1945]. Nature [London] 156: 289. Sept. 8, 1945. 472 N21

5267 VAYSSIÈRE, P. L'oeuvre scientifique de Paul Marchal (1862-1942). Inst. Natl. Agron., Paris Ann. 33: 5-33. 1942. 105.3 In8

5268 WADE, J. S., and BARBER, H. G. William Thompson Davis 1862-1945. Ent. Soc. Wash. Proc. 47: 230-235. Nov. 1945. 420 W27  
Portrait.

5269 WARD, J. E. Monticello: an experimental farm. Agr. Hist. 19: 183-185. July 1945. 30.98 Ag8

5270 WILSON, W. Harlow Rockhill, August 26, 1866 - March 1, 1944. Iowa State Hort. Soc. Trans. (1944) 79: 100-102. 81 Io9

5271 WOLFE, H. S. Another Florida pioneer in horticulture [Egbert N. Reasoner]. South. Florist and Nurseryman 58(35): 17-18. Nov. 23, 1945. 80 So86

From "For Florida Garden Clubs."

5272 YAHALIAM, S. Immanuel Loew - the great investigator of Palestine plants. (In Hebrew.) Ha-sadeh 25: 499-501. July 1945. 26 H27

## INTER-AMERICAN RELATIONS

5273 ARANGO, R. Notas sobre la III Conferencia Interamericana de Agricultura. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 41-42, 64. July/Sept. 1945. 8 Ag88Re

5274 GÓMEZ, M. R. Discurso de clausura de la tercera Conferencia Interamericana de Agricultura. Rev. de Agr. [San José] 17: 512-519. Oct. 1945. 8 Es1

5275 WILSON, M. L. Report on agriculture's third Inter-American Conference. Better Farming Methods 17(7): 12, 31. Sept./Oct. 1945. 58.8 B46

5276 WILSON, M. L. The spirit of Caracas. Ext. Serv. Rev. 16: 145. Oct. 1945. 1 Ex892Ex  
On the Third Inter-American Conference on Agriculture, held at Caracas, Venezuela, July 24-August 7.

## METEOROLOGY

5277 BERGEIRO, J. M. Los promedios meteorológicos; simplificación de métodos para conocer el comportamiento climático, en cualquier establecimiento rural. Asoc. Rural del Uruguay. Rev. 72(9): 136-137. Sept. 1945. 9.9 As5

- 5278 BERGEIRO, J. M. Los proverbios meteorológicos. Asoc. Rural del Uruguay. Rev. 72(7/8): 91-92, 94-95, 97-98. July/Aug. 1945. 9.9 As5

## RESEARCH

- 5279 ASTORGA BARRIGA, E. Experimentación y divulgación agrícolas en el Canadá. Vida Agr. 22: 515-519, 521-522. June 1945. 9.8 V66

- 5280 AVALOS, A. "No hay progreso ni bienestar agrícola si el desarrollo de esta importante industria no se basa en la investigación científica de sus problemas." Argentina. Min. de Agr. Noticioso 10: 49. June 30, 1945. 9 Ar311N

- 5281 BOZA BARDUCCI, T. La experimentación agrícola en la montaña, su importancia especial. Agronomía [Lima] 10(42): 23-31. July/Aug. 1945. 9.8 Ag83

- 5282 BROWN, M. J. A visit to the Agricultural Research Center, Beltsville, Maryland. Chemurg. Digest 4: 321, 323-326. Oct. 31, 1945. 381 N213Na

- 5283 BROWN, R. W., and MASON, T. C. Science research at Tuskegee Institute. Service 10(2): 18-20, 31. Sept. 1945. 280.8 Se62

- 5284 CAWTHRON INSTITUTE, NELSON, NEW ZEALAND. Annual report, 1944-45. 31 p. Nelson, Stiles, 1945. 330.9 C31

- Reports research on soils, mineral deficiencies, fruits, tomatoes, tobacco, and entomology.

- 5285 CHAMBERS, R., and NICHOLAS, J. S. Pending legislation for Federal aid to science. Science 102: 545-548. Nov. 30, 1945. 470 Sci2

- 5286 DUNN, L. C. Organization and support of science in the United States. Science 102: 548-554. Nov. 30, 1945. 470 Sci2

- Includes brief discussion of successful results of publicly controlled agricultural research in the United States.

- 5287 GRATZ, L. O. Food information a weapon; farm facts a sword in war, a plowshare in peace. Fla. Grower 53(11): 23. Nov. 1945. 80 F6622

- The fifth of a series of articles.

- Tells about fact finding agencies, with special attention to the Florida Agricultural Experiment Stations.

- 5288 HAFKINE INSTITUTE. Report, 1942/1943. 60 p. Bombay, Govt. Central Press, 1945. 448.9 H11  
Includes reports of studies on rodent control and on human nutrition.

- 5289 HOUSSAY, B. Acerca da investigação científica. Rev. de Med. Vet. [Lisboa] 40: 174-180. Apr./June 1945. 41.8 R3215

- 5290 KONSTANTINOV, P. N. O nekotorykh voprosakh organizatsii, tematiki i metodiki s.-kh. opytogo dela [Some questions on the organization, objectives and methods of agricultural experimentation]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok., No. 1, p. 17-19. Moskva, 1945. 20 M857

- 5291 MEIER, K. Bericht der Eidgenössischen Versuchsanstalt für Obst-, Wein- und Gartenbau in Wädenswil für die Jahre 1941 und 1942. Landw. Jahrb. der Schweiz 58: 417-495. 1944. 17 L23

- Reports work in fruit cultivation, storage, and utilization in the manufacture of conserves, wine manufacture, vegetable storage, testing and improvement of machinery and apparatus, and testing and control of plant sprays and treatments.

- 5292 OBANDO, N. La Estación Experimental de Palmira [Colombia]. Vida Rural 6(61): 34. Aug. 1944. 9.4 V66

- 5293 PICKWELL, F. C. Scientists blueprint industry: Minnesota University chemists transform secondary Midwest natural products into valuable resources with unlimited possibilities. Manitoba Indus. Topics 5(3): 3-8. Sept./Oct. 1945. 280.8 M316

- Contains text of address by L. H. Reyerson on utilization of poplars and aspens and of lignites and on the manufacture of linen from flax straw.

- 5294 \*RÍAZANOV, ÍA. Kratkiy otchet o nauchno-issledovatel'skoj rabote Ordena Trudovogo Krasnogo Znamení Instituta Zernovogo Khoziaistva Tugo-Vostoka SSSR za 1944 god [Brief account of the research work of the Institute of the Grain Economy in South-East of USSR for 1944]. Inst. Zern. Khoz. Tugo-Vostoka SSSR. B., No. 4, 28 p. Saratov, 1944. 20 Sa7

- 5295 SMITH, A. E. Agricultural science in Russia: highly organized research that neglects no source of knowledge. Farmer's Weekly [Bloemfontein], 70: 235. Oct. 10, 1945. 24 F225

- 5296 SYMPOSIUM: impressions of Soviet science. Amer. Rev. Soviet Union 7(1): 32-43. Nov. 1945. 280.8 Am391

- Partial contents; General organization and chemistry, by I. M. Kolthoff, p. 32-36 [includes rubber research]; Soil science, C. E. Kellogg, p. 36-37.

## STATISTICS

- 5297 AMARAL, C. J. "Sampling" - estadística por muestra; economía y estadística agraria. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 330. Aug. 23, 1945. 9.9 G15B

- 5298 COLOMBIA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Estatuto orgánico de la estadística nacional. Colombia. Dir. Gen. de Estadis. B. (Cuaderno 39), 363 p. Bogotá, 1945. 255.5 C712B

- Includes the specifications for collection of agricultural statistics.

- 5299 GOMES, F. P. Os gráficos - como se fazem e para que servem. Rev. de Agr. [Piracicaba] 20: 261-268. July/Aug. 1945. 9.2 R324

- 5300 TUGARINOV, V. V., and KRUCHININA, Z. A. O perschete vesa veshchestv pri uvelichenii ikh vlazhnosti. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Dok., No. 1, p. 84-85. Moskva, 1945. 20 M857

- Statistical method for estimating increase in weight of agricultural products, resulting from addition of moisture.

## NEW PERIODICALS AND SERIALS

- 5301 COMMITTEE FOR ECONOMIC DEVELOPMENT. TRADE ASSOCIATION DIVISION. Trade Association Digest. No. 1, June 29, 1945. 18 p., processed. New York 18, 11 West 42d St. 280.9 C7373

- 5302 CONFÉRENCE INTERNATIONALE DES AFRICANISTES DE L'OUEST. Compte-rendu sommaire de la 1ère réunion. Jan. 19-25, 1945. 43 p. Dakar, French West Africa. 515 C762

- 5303 GREAT BRITAIN. MINISTRY OF FOOD. Our food to-day. Irregular. No. 1, 1945. 24 p. London. 389.9 G790

- 5304 JOURNAL OF SOUTH AFRICAN BOTANY, SUPPLEMENT. Irregular. Vol. 1, Nov. 1944. 355 p. Cape Town, Union of So. Africa, Cape Times, Ltd. 450 J8262A

- 5305 KERN COUNTY POTATO GROWERS ASSOCIATION. Annual Meeting. 1, Mar. 20, 1945. 119 p. Bakersfield, Calif. 286.3759 K45A

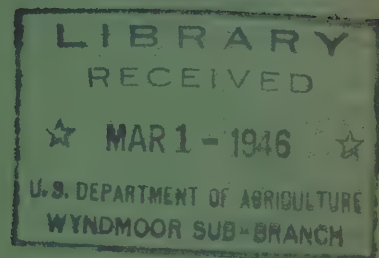
- 5306 MEDYCYNÁ WETERYNARYJNA. Irregular. Vol. 1, No. 1/2, May/June 1945. 38 p. Warszawa, Ministerstwa Rolnictwa i Reform Rolnych. 41.8 M463

- 5307 RIO GRANDE DO SUL, BRAZIL (STATE). SECRETARIA DA AGRICULTURA, INDÚSTRIA E COMÉRCIO. DIRETORIA DA PRODUÇÃO ANIMAL. Boletim. Semiannual. Vol. 1, No. 1, Jan./June 1945. 78 p. Porto Alegre. 49.9 R47

- 5308 SIEMERA. Monthly. Vol. 1, No. 1, Jan. 1945. Unpaged. Madrid? Sindicatos Agrícolas Nacionales, Plaza de la Lealtad, 4, 2. Izqda. 15 S11



# BIBLIOGRAPHY OF AGRICULTURE



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Farmers' Bulletins

5308 HARTER, L. L., ZAUMEYER, W. J., and MADE, B. L. Pea diseases and their control. U. S. D. A. Farmers' B. 1735, rev., 28 p. 1945. 1 Ag84F

5310 KINSMAN, C. D., and REYNOLDS, L. A. Laying out fields for tractor plowing. U. S. D. A. Farmers' B. 1045, rev., 18 p. 1945. 1 Ag84F

Interbureau Committee on Postwar Programs

5311 FARM opportunities? Prospects - problems - policies. 22 p., processed. 1945. 1.90 C2In8Pfo

Prepared by Land Settlement Work Group. A summary of a longer report entitled Farm Opportunities - Outlook, Problems, and Policies.

5312 FARM opportunities in the United States; outlook, problems, policies. 129 p., processed. 1945. 1.90 C2In8Pfo

Prepared by the Land Settlement Work Group. Includes land settlement experience.

5313 REPORT of the Interbureau Committee on Post-War Programs at the war's end. 12 p., processed. 1945. 1.90 C2In8Prw

Summarized findings of working groups under five major headings: Agriculture in its peacetime national and world setting; Agricultural conversion and adjustment; Distribution and consumption; Agricultural conservation; Services and facilities for rural people.

Miscellaneous Publications

5314 BETTER health for rural America; plans of action for farm communities. U. S. D. A. Misc. P. 573, 34 p. 1945. 1 Ag84M

5315 FICKES, C. F. Building with logs. U. S. D. A. Misc. P. 579, 56 p. 1945. 1 Ag84M

Instructions and specifications for all parts of the building beginning with the foundation. Includes a section on furniture for log cabins and how to make essential pieces. Contains plans and illustrations.

5316 THE NATIONAL Poultry Improvement Plan. U. S. D. A. Misc. P. 300, rev., 26 p. 1945. 1 Ag84M

To improve the breeding and production qualities of poultry; reduce losses from pullorum disease.

5317 OMOHUNDRO, E. H., and others. Domestic cotton surplus disposal programs. U. S. D. A. Misc. P. 577, 51 p. 1945. 1 Ag84M

N. B. Salant, M. R. Cooper, and L. D. Howell, joint authors.

Prepared for the Interdepartmental Technical Committee on Cotton and first issued in a limited mimeographed edition as Cotton Document No. 11, May 1945.

Includes the distribution of cotton for relief and for low-income families and diverting cotton into new uses.

5318 TABLES of food composition in terms of eleven nutrients. U. S. D. A. Misc. P. 572, 30 p. 1945. 1 Ag84M

Prepared by the U. S. Bureau of Human Nutrition and Home Economics in cooperation with the National Research Council.

Radio Broadcasts (Processed)

5319 BAKER, J. Crop insurance--a round-up and look-ahead. 2 p. Recorded Nov. 10, 1945. (Timely Farm Topics No. 47b) 1.914 R2T48

5320 BAKER, J. What a hen wants in a hen house. 4 p. Recorded Dec. 6, 1945. (Farm Sci. Serves the Nation No. 28) 1.914 R2F222

5321 BOWLES, C. The farmers stake in price control. 2 p. Recorded Oct. 11, 1945. (Timely Farm Topics No. 45b-1) 1.914 R2T48

5322 CREIGHTON, H., and GAPEN, K. M. Make a date to market your poultry. 3 p. Recorded Oct. 25, 1945. (Timely Farm Topics No. 46b) 1.914 R2T48

5323 GAPEN, K. 4-H Club achievement week -- November 3-11. 1 p. Recorded Oct. 11, 1945. (Timely Farm Topics No. 45b-2) 1.914 R2T48

5324 KELLOGG, C. E. A glimpse of Russian agriculture. 2 p. Recorded Sept. 25, 1945. (Timely Farm Topics No. 44b) 1.914 R2T48

5325 MOORE, E. How an insecticide is developed. 2 p. Recorded Sept. 13, 1945. (Farm Sci. Serves the Nation No. 22) 1.914 R2T48

5326 MOORE, E., and DUMARS, D. Ornamental shrubs. 6 p. Oct. 20, 1945. (Victory Gardens #104) 1.914 A2M78

5327 NORTHRUP, F. B. Farm production supplies--1946. 2 p. Recorded Aug. 28, 1945. (Timely Farm Topics No. 42b) 1.914 R2T48

Includes farm machinery, tractors, lumber, containers, fertilizer.

5328 PITT, B., and BAKER, J. Make it [clothing] over for the kids. 4 p. Dec. 8, 1945. (Your Home and Garden Program) 1.914 R2R11

5329 SCHWARTZ, B., and GAPEN, K. M. World catalogue of parasites. 2 p. Oct. 27, 1945. (Nat'l. Farm and Home Hour) 1.972 A2Sch9

5330 TURNER, A. W. New farm building plans. 2 p. Recorded Sept. 11, 1945. (Timely Farm Topics No. 43b) 1.914 R2T48

5331 VAN DEMAN, R., and GAPEN, K. Roasting chicken the modern way. 3 p. Oct. 20, 1945. (Your Home and Garden Program) 1.982 A2V28

5332 WHEELER, L. A. International cooperation in agriculture. 2 p. Recorded Aug. 28, 1945. (Timely Farm Topics No. 42a) 1.914 R2T48

Improvement of agriculture in the Western Hemisphere as discussed at the Third Inter-American Conference on Agriculture at Caracas.

5333 WHEELER, W. A., ROWELL, E. J., and TONKIN, J. 25th anniversary of market news. 4 p. Dec. 15, 1945. (Nat'l. Farm and Home Hour) 1.956 G76W56

Technical Bulletins

- 5334 DICKE, F. F., and JENKINS, M. T. Susceptibility of certain strains of field corn in hybrid combinations to damage by corn earworms [*Heliothis armigera*]. U. S. D. A. Tech. B. 898, 36 p. 1945. 1 Ag84Te
- 5335 HOAGLAND, R., and others. Nutritive properties of pork protein and its supplemental value for bread protein. U. S. D. A. Tech. B. 906, 12 p. 1945. 1 Ag84Te
- N. R. Ellis, O. G. Hankins, and G. G. Snider, joint authors.

Unnumbered Publications

- 5336 PRODUCE high grade cotton; pick dry as possible, keep trash out, pick before weather damage, keep good cotton separate. Poster. 1944. 1.8 Ag81Pc

## AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

- 5337 JACOBS, P. B. Alcohol from agricultural commodities. U. S. Bur. Agr. and Indus. Chem. AIC-95, 77 p., processed. Peoria, Ill., North. Region. Res. Lab., 1945. 1.932 A2Ag82

Concerned primarily with the industrial alcohol industry.

- 5338 JAEGER, C. M., SHOLLENBERGER, J. H., and MACMASTERS, M. M. A selected and annotated bibliography on soft corn and pertinent information on the drying, preservation, and storage behavior of corn and other grains. U. S. Bur. Agr. and Indus. Chem. AIC-100, 48 p., processed. Peoria, North. Region. Res. Lab., 1945. 1.932 A2Ag82

- 5339 KNAPP, D. E., GOLDBLATT, L. A., and HORNER, M. M. 1945 semi-annual naval stores report on production, distribution, consumption and stocks of turpentine and rosin of the United States, by crop years, April 1, 1945 - September 30, 1945. U. S. Bur. Agr. and Indus. Chem. AIC-102, 13 p., processed. New Orleans, Naval Stores Res. Div., 1945. 1.932 A2Ag82

- 5340 RADLOVE, S. B., TEETER, H. M., and COWAN, J. C. Catalytic conjugation of linseed and soybean oils. U. S. Bur. Agr. and Indus. Chem. AIC-101, 46 p., processed. Peoria, North. Region. Res. Lab., 1945. 1.932 A2Ag82

- 5341 REFINERS of soybean and other vegetable oils. U. S. Bur. Agr. and Indus. Chem. AIC-90, 4 p., processed. Peoria, North. Region. Res. Lab., 1945. 1.932 A2Ag82

- 5342 REPORT on research activity of the regional research laboratories in connection with the sixth annual meetings of the Agricultural Experiment Stations Relations Committees. 49 p., processed. 1945. 1.932 A2R29

- 5343 SELECTED list of publications. 17 p., processed. Albany, Calif., West. Region. Res. Lab., 1945. 1.9321 W2Se4

Includes freezing preservation of foods; dehydration of foods; byproducts and other technical subjects.

## AGRICULTURAL ECONOMICS, BUREAU OF

- 5344 APPLE production by varieties, 1943, 1944 and 1945. 14 p., processed. 1945. 1.941 S8Ap5

- 5345 CATTLE feeding situation - December 1, 1945. 1 p., processed. 1945. 1.9 Ec742Cat

- 5346 CLARK, F. Nutrition in 1946. 4 p., processed. 1945. 1.982 A2C54

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 3, 1945.

- 5347 CURRENT developments in the farm real estate market. 6 p., processed. 1945. 1.9 Ec7Cue

- 5348 KITCHEN, C. W. What's ahead in marketing? 8 p., processed. 1945. 1.9422 A2K64

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 4, 1945.

- 5349 LAMB feeding situation - December 1, 1945. 1 p., processed. 1945. 1.9 Ec742Lam

- 5350 1945 annual summary: acreage, yield, and production of principal crops by States with comparisons. 91 p., processed. 1945. 1.9 St2Cb

- 5351 REID, M. G. The outlook for family living. 7 p., processed. 1945. 1.982 E2R27

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 5, 1945.

- 5352 REYNOLDS, L. W. State and local housing programs. 7 p., processed. 1945. 1.913 I2R33

- 5353 RUSH, J. D. Analysis of a limited number of fatal accidents to farm and rural people in South Carolina. 8 p., processed. 1945. 1.941 H22An12

For use at Farm Safety Section, 8th Annual State-wide Safety Conference, Columbia, S. C., Dec. 11, 12, 1945.

- 5354 THOMSEN, F. L. Prospective technological developments in marketing. 16 p., processed. 1945. 1.941 M1T38

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 4, 1945.

- 5355 TOLLEY, H. R. What FAO can mean to farmers. 10 p., processed. 1945. 1.94 Ad472T

The food and agriculture outlook for the Nation and the world.

- 5356 WAUGH, F. V. Needed government programs in marketing. 8 p., processed. 1945. 1.941 P4W35

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 4, 1945.

- 5357 WILSON, J. L. Milk cow rations, 1944-45 winter feeding period. 10 p., processed. 1945. 1.941 H8F32

## AGRICULTURAL RESEARCH ADMINISTRATION

- 5358 COONS, G. H., and MOSEMAN, A. H. The development of domestic sugar-beet seed production. 2 p., processed. 1945. (R. A. S. 47 (F)) 1.98 R31

- 5359 HENLEY, R. R., WIGHT, A. E., and BURCH, D. S. Improved tuberculin aids suppression of tuberculosis in livestock. 2 p., processed. 1945. (R. A. S. 48 (A)) 1.98 R31

- 5360 RESEARCH for better farming and farm living: activities at the Agricultural Research Center Beltsville, Md...where science studies farm and home problems. 41 p., processed. 1945. 1.98 B41

## ANIMAL INDUSTRY, BUREAU OF

- 5361 LIST of the names of counties in modified accredited area for tuberculosis, as of July 1, 1945. 32 p., processed. 1945. 1.9 An533L

- 5362 ROUTE of brucellosis germs in their attack on cattle. Diagram. n. d. 1.972 A2R76

## DAIRY INDUSTRY, BUREAU OF

- 5363 LEIGHTON, A. Making ice cream and sherbet in the home. Rev., 4 p., processed. 1945. (BDIM-Inf-1) 1.973 D4B34

Includes recipes.

## ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

- 5364 ANNAND, P. N. How about DDT? 10 p., processed. 1945. 1.967 A2An7

Address before the National Audubon Society, Oct. 22, 1945, at New York.

Its uses and the implications of such uses, particularly as they relate to wildlife protection.

- 5365 BOWEN, M. F. A method of estimating beet leafhopper [*Eutettix tenellus*] populations from the proportion of uninfested plants. U. S. Bur. Ent. and Plant Quar. ET-225, 6 p., processed. 1945. 1.9 En83Et



5366 DOVE, W. E. Summary of DDT experiments on insects that affect man and animals. U. S. Bur. Ent. and Plant Quar. E-673, 14 p., processed. 1945. 1.9 En83

5367 MEXICAN fruitfly [*Anastrepha ludens*] regulations modified. 1 p., processed. 1945. (B. E. P. Q. 543) 1.9 F73

Lifting permit requirements for interstate movement of citrus fruits until further notice.

5368 PLANT-QUARANTINE import restrictions of the Republic of Brazil. 2 p., processed. 1945. (B. E. P. Q. - 379, Rev., Sup. No. 3) 1.9 F73

Restrictions against European corn borer.

5369 THE RESIDUAL activity of DDT sprays for the control of household insects. 2 p., processed. Beltsville, Md., 1945. 1.967 I3R31

5370 ROARK, R. C. A third list of publications on DDT, January through June 1945. U. S. Bur. Ent. and Plant Quar. E-674, 28 p., processed. 1945. 1.9 En83

5371 SNAPP, O. I. Controlling the peachtree borer [*Sanninoides exitiosa*] with propylene dichloride emulsion. U. S. Bur. Ent. and Plant Quar. E-676, 3 p., processed. 1945. 1.9 En83

#### EXPERIMENT STATIONS, OFFICE OF

5372 ADAMS, G., and GILLESPIE, J. Research in foods, human nutrition, and home economics at the land-grant institutions, 1945-1946. 66 p., processed. 1945. 1.9 Ex6Ho

Includes textiles and clothing, housing, household equipment, household management, family economics, and family life.

5373 LIST of agricultural experiment stations in the United States, December, 1945. 2 p., processed. 1945. 1.9 Ex6L1

#### EXTENSION SERVICE

5374 AGENT and leader training in clothing project; excerpts from 1944 annual reports of State extension clothing specialists, with comments by Alice Sundquist. 16 p., processed. 1945. 1.913 S2Ag3

Home sewing.

5375 BARLEY and oats summary for the crop year beginning July 1943. 6 p., processed. 1945. 1.913 A2B24

Annual summary of the grading of receipts prepared in cooperation with the Production and Marketing Administration.

5376 CARE of clothing, textiles, and sewing equipment; excerpts from 1944 annual reports of State extension clothing specialists, with comments by A. Sundquist. 10 p., processed. 1945. 1.913 A2C18

5377 CHILDREN'S clothing; excerpts from 1944 annual reports of State extension clothing specialists, with comments by A. Sundquist. 6 p., processed. 1945. 1.913 A2C43

5378 ENSMINGER, D. Social organization for extension education. 5 p., processed. 1945. 1.913 A2S01

Outline of talk before the Maine Extension Conference, University of Maine, July 10-12, 1945.

5379 THE FARM and home visit; analysis of the essential elements involved in its use as a means of extension teaching. 2 p., processed. 1945. 1.913 A2F22

5380 A FEW facts about 4-H Clubs. 2 p., processed. 1945. 1.913 F3F112

"Fact sheet for press use at National 4-H Club Congress, December 2-6, Chicago, Ill."

5381 HANDS across the border. 4 p., processed. 1945. (Farm Facts and Fun) 1.914 R2R11

C. R. Elder interviewed on cooperative working relationship between State experiment stations and U. S. D. A.

5382 HOW TO send diseased plant specimens for identification. 2 p., processed. 1945. 1.913 A2H832

U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

5383 JOB INSTRUCTION training; summary of the 2-hour appreciation session. Prepared for those who have participated in the 10-hour course. U. S. Ext. Serv. Ext. Farm Labor C. 26, 8 p., processed. 1945. 1.913 E2Ex84

5384 LABOR-SAVING shows help farm people find easier and better ways to do their work. U. S. Ext. Serv. Ext. Farm Labor C. 31, 6 p. 1945. 1.913 E2Ex84

5385 LOUGHEAD, M. E. Home freezing facilities and equipment; alternate choices for farm families. 4 p., processed. 1945. 1.913 A2H75

Includes an analysis of possible cost.

5386 MILES, J. F. The balance sheet of agriculture 1945 (prices as of January 1). 2 p., processed. 1945. 1.913 E2B18

Value and production of agricultural commodities; real estate and non-real-estate assets; financial assets; farm real estate and non-real-estate debts.

5387 MITCHELL, J. W. Extension work among Negroes in the South, 1944-1945. 20 p., processed. 1945. 1.913 N2Ex8

Activities and accomplishments by States.

5388 NEW 4-H Club program trains rural youth to meet the problems of a changing world. 4 p., processed. 1945. 1.913 F3F112

"Fact sheet prepared for press use at National 4-H Club Congress, December 2-6, 1945, Chicago, Illinois."

5389 NUMBER of World War II veterans placed on farms, United States, by months, January-July 1945. 1 p., processed. 1945. 1.913 A2N92

5390 OUTLINE of plan to facilitate movement of migratory workers recruited in Texas for employment in sugar beet and related crops in the North Central and Plains States in 1945. U. S. Ext. Serv. Ext. Farm Labor C. 23, 4 p., processed. 1945. 1.913 E2Ex84

5391 PROCEDURES for facilitating the movement of migratory farm workers. U. S. Ext. Serv. Ext. Farm Labor C. 25, 8 p., processed. 1945. 1.913 E2Ex84

Exhibits attached give the location of O. D. T. district offices by States and forms to be used for identification of migratory workers, record of work, etc.

Deals with functions of Extension Service in relation to agricultural workers who move from one area to another by means of transportation arranged by themselves or their employers.

5392 SCHLUP, L. A. The Division of Extension Information; a statement prepared for the Standards and Special Studies Section, Personnel Classification Division, Civil Service Commission. 20 p., processed. 1945. 1.913 I2Sch3

Includes two attachments: Fourteen basic features of cooperative extension work; Organization of an information program to support national, State, and local activities undertaken in the rural field by extension workers.

5393 SUMMARY statement of expenditures of cooperative extension funds in States and Territories by sources and line of work for 1943 - 1944. 1 p., processed. 1945. 1.913 A2Su65

County agent, home demonstration, boys' and girls' club, and Negro work.

5394 THE 10 guideposts for 4-H programs; discussion suggestions for the delegates to the 24th National 4-H Club Congress, December 2-6, 1945, Chicago, Illinois. 8 p., processed. 1945. 1.913 F3T252

#### FARM CREDIT ADMINISTRATION

5395 HALL, T. E. Cooperative seed marketing. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 87, 31 p., processed. 1945. 166.3 M68

- 5396 HULBERT, L. S. Summary of cases relating to farmers' cooperative associations. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Summary 28, 18 p., processed. 1945. 1.955 C2Su7
- 5397 SANDERS, S. D. Organizing a farmers' cooperative. U. S. Farm Credit Admin. C. C-108, 44 p. 1945. 166.2 C4923
- 5398 SCEARCE, J. L. Effect of the war on county farm bureau cooperative associations in Indiana. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 88, 35 p., processed. Kansas City, 1945. 166.3 M68
- 5399 STOKDYK, E. A. Economic objectives of farmers' cooperatives. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 90, 21 p., processed. Kansas City, 1945. 166.3 M68

## FARM SECURITY ADMINISTRATION

- 5400 THE "KNOW-HOW" and the "where-withal." 8 p., processed. 1945. 1.95 K76  
Radio script written mainly for FSA County Supervisors on the advantages of the supervised credit plan.

## FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

- 5401 AGRICULTURAL production and trade by countries; pre-war summary by commodities. 134 p., processed. 1945. 1.943 Ag82
- 5402 IMPORTS of fruits and vegetables under quarantine by countries and ports of entry, July-June 1942-43. 11 p., processed. 1944. 1.943 Im7  
Released September 1945.
- 5403 SCHREIBER, W. R. World dried-apple estimate smallest since 1940. 4 p., processed. 1945. 1.943 W8922
- 5404 TAYLOR, F. Prospective consumption of cotton in Belgium. 10 p., processed. 1945. 1.943 P943
- 5405 TAYLOR, F. Prospective consumption of cotton in Italy. 21 p., processed. 1945. 1.943 P84
- 5406 TAYLOR, F. Prospective consumption of cotton in the Netherlands. 15 p., processed. 1945. 1.943 P942
- 5407 TAYLOR, F. Prospective consumption of cotton in the United Kingdom. 12 p., processed. 1945. 1.943 P94
- 5408 UNITED STATES foreign trade in agricultural products, calendar year 1944, with comparisons. 44 p., processed. 1945. (Foreign Crops and Markets. Calendar Year Sup., Dec. 1, 1945) 1.9 St2F
- 5409 UNITED STATES hop exports increase. 2 p., processed. 1945. 1.943 Un3  
By countries of destination, 1939-40 to 1944-45.

## FOREST SERVICE

- 5410 ADDRESSES of the forest and range experiment stations and the Forest Products Laboratory. 1 p., processed. 1945. 1.962 A2Ad2
- 5411 BLACK, J. M., and BRUCE, H. D. Durability of room-temperature-setting and intermediate-setting resin glues cured to different degrees in yellow birch plywood. U. S. Forest Serv. Forest Prod. Lab. Mimeog. 1537, 12 p. Madison, 1945. 1.9 F761R  
U. S. Army-Navy-Civil Committee on Aircraft Design Criteria and Wisconsin University cooperating.
- 5412 CARPENTER, D. Hunters warned of two new forest fire risks. 1 p., processed. 1945. 1.962 A2H91  
Airplanes crashing; tracer bullets.
- 5413 COMMERCIAL sources of forest tree seed or seedlings. 9 p., processed. 1945. 1.962 A2C732
- 5414 EDIBLE fruits of forest trees. Slightly rev., 2 p., processed. 1944. 1.962 A2Ed4  
Includes nuts, acorns, seed of pine, persimmon, wild crab apples, and berries.

- 5415 EICKNER, H. W. Durability of papreg-to-papreg and papreg-to-birch glued joints. U. S. Forest Serv. Forest Prod. Lab. Mimeog. 1538, 9 p. Madison, 1945. 1.9 F761R  
Wisconsin University cooperating.
- 5416 FOREST fire statistics, calendar year 1943. 12 p., processed. n. d. 1.9 F76Ffs
- 5417 SEBORG, R. M., and STAMM, A. J. Effect of resin treatment and compression upon the properties of wood. U. S. Forest Serv. Forest Prod. Lab. Mimeog. 1383, rev., 14 p. Madison, 1945. 1.9 F761R  
Wisconsin University cooperating.
- 5418 SPARHAWK, W. N. Japan; forest resources, forest products, forest policy. 89 p., processed. 1945. 1.962 F4J27
- 5419 WATTS, L. F. The forest situation in the United States. 3 p., processed. 1945. 1.962 A2W34  
Presented to the Forestry Section, United Nations Conference on Food and Agriculture, Quebec, Canada, Oct. 23, 1945.

## HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

- 5420 FREE popular printed publications. 2 p., processed. 1945. 1.9 F755P  
How to order publications of the Bureau of Human Nutrition and Home Economics.
- 5421 HOME canning—one good use for culled hens. 2 p., processed. 1945. 1.982 A2H75

## INFORMATION, OFFICE OF

- 5422 FILM depositories. 5 p., processed. 1945. 1.914 M2F48  
List of State institutions where films may be obtained.
- 5423 ROWE, G. FM for you. 18 p., processed. 1945. 1.914 A2F117  
A new short-wave, high-frequency type of radio broadcast. "FM means 'Frequency Modulation.'"
- 5424 TIMELY Farm Topics; summary and analysis of questionnaires returned by stations, county agents handling, using the service. 16 p., processed. 1945. 1.914 R2T481  
Statistical and narrative report of the use of Timely Farm Topics transcription service on local radio programs.

## LIBRARY

- 5425 HANNAY, A. M. Land transfer and titles, 1920-1945; a list of references. U. S. D. A. Libr. Libr. List 21, 41 p., processed. 1945. 1.916 L612
- 5426 REPORT of the Librarian, 1945. 7 p. 1945. 1 L61

PLANT INDUSTRY, SOILS,  
AND AGRICULTURAL ENGINEERING, BUREAU OF

- 5427 BAMBOO culms should be at least three years old before harvesting. 1 p., processed. Beltsville, Md., 1945. 1.965 P2B21
- 5428 FARM storage of sorghum grains. Slightly rev., 6 p., processed. 1945. 1.965 E2F22
- 5429 HARTLEY, C. Lumber shipped green can be protected against decay. U. S. Bur. Plant Indus., Soils, and Agr. Engin. Div. Forest Path. Forest Path. Spec. Release 26, 3 p., processed. Madison, 1945. 1.965 F3F76  
U. S. Forest Service, Forest Products Laboratory cooperating.
- 5430 LIST of available publications [Division of Forest Pathology]. 22 p., processed. Beltsville, Md., 1945. 1.965 A2L69



5431 [LIST of seeds from various sources which will be available for exchange with correspondents of the Division of Plant Exploration and Introduction.] 4 p., processed. Beltsville, Md., 1945. 1.965 P2L69

#### PRODUCTION AND MARKETING ADMINISTRATION

5432 HUTSON, J. B. Agriculture looks to the future. 12 p., processed. 1945. 1.957 H97  
Address at a meeting of the Indiana Farm Bureau at Indianapolis, Nov. 15, 1945.

5433 LIVESTOCK, meats, and wool market statistics and related data, 1944. 80 p., processed. 1945. (CS-14) 1.9422 A8C732

The twelfth of a series of statistical handbooks.  
5434 1944 unloads of fruits and vegetables at Cleveland, Ohio; annual report. 17 p., processed. Cleveland, 1945? 1.9 Ec741Cu

5435 NUMBER of transported agricultural workers employed November 23, 1945. 1 p., processed. 1945. 1.9424 L2N91

Workers from Mexico, Jamaica, Bahamas, Newfoundland, and Canada.

5436 OCKEY, W. C. Food in 1946. 10 p., processed. 1945. 1.942 A20c4

Remarks before New York State Joint Legislative Committee on Nutrition, New York, Dec. 12, 1945.

5437 RESULTS of fiber and combed yarn spinning tests of some long staple cottons grown in the United States, crops of 1941-44. 19 p., processed. 1945. 1.9422 C2R312

5438 SHEEP and lambs: monthly average price per 100 pounds, Ogden & N. Salt Lake, 1944. Based on the mean of daily range of quotations. 1 p., processed. 1.9422 L8Sh30g

5439 SHEEP and lambs: weekly average price per 100 pounds, Ogden & N. Salt Lake, 1944. Based on the mean of daily range of quotations. 2 p., processed. 1945. 1.9422 L8Sh30g

Similar report for San Antonio.

5440 [SUGAR Determination.] 2 Nos. 1945. 1.94 Su3Sd

S. D. 227. Determination of fair and reasonable wage rates for persons employed in the harvesting of sugarcane in Florida during the period September 1, 1945, to June 30, 1946, and in the production and cultivation of sugarcane in Florida during the period January 1, 1946, to June 30, 1946. 2 p. Oct. 9.

S. D. 228. Determination of fair and reasonable prices for the 1945 crop of sugar beets. 1 p. Oct. 26.

#### SECRETARY, OFFICE OF

5441 ANDERSON, C. P. American food - one of the world's most powerful forces. 3 p., processed. 1945. 1.91 A2An2

Statement over the NBC Network, Nov. 18, 1945, on the food situation.

5442 ANDERSON, C. P. Assignment for tomorrow. 8 p., processed. 1945. 1.91 A2An2

Talk at the National 4-H Club Congress, Chicago, Dec. 3, 1945.

Ten goals or guideposts in peacetime.

5443 ANDERSON, C. P. The Department of Agriculture and radio. 2 p., processed. 1945. 1.91 A2An2

Talk before the National Association of Radio Farm Directors, Chicago, Dec. 3, 1945.

5444 ANDERSON, C. P. Question mark of 1946. 12 p., processed. 1945. 1.91 A2An2

Address before the American Farm Bureau Federation, Chicago, Dec. 18, 1945.

The interdependence of industry, labor, and agriculture and the need for coordinated action for high production and full employment.

5445 ANDERSON, C. P. Radio talk...on March of Time Program...July 19, 1945, over the ABC Network. 2 p., processed. 1945. 1.91 A2An2

Food transportation problems.

5446 ANDERSON, C. P. Sowing the seeds of prosperity. 10 p., processed. 1945. 1.91 A2An2

Talk before the 50th Annual Congress of American Industry, New York, Dec. 6, 1945.

Wartime production of agriculture and industry; objectives of agriculture in the economy of the future.

5447 ANDERSON, C. P. Statement...before the Committee on Agriculture of the House of Representatives...Nov. 27, 1945, with respect to H. R. 3422 (a bill providing for the creation of an Agricultural Credit Agency as an independent agency of the Federal Government). 4 p., processed. 1945. 1.91 A2An2

5448 ANDERSON, C. P. Statement...on S. 1592, a bill to establish a national housing policy and to provide for its execution, before the Committee on Banking and Currency of the Senate,...December 13, 1945. 6 p., processed. 1945. 1.91 A2An2

5449 ANDERSON, C. P. Statement...on the farm labor supply program, taken from hearings before the Subcommittee of the Committee on Appropriations, House of Representatives...on the First Deficiency Appropriation Bill for 1946. 8 p., processed. 1945. 1.91 A2An2

5450 ANDERSON, C. P. Talk...before the American Agricultural Editors' Association, Chicago, Illinois, December 3, 1945. 8 p., processed. 1945. 1.91 A2An2

Includes comment on the supply and demand of food, particularly meat; goals for 1946 crops and livestock.

5451 ANDERSON, C. P. Time to look ahead. 15 p., processed. 1945. 1.91 A2An2

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 5, 1945.

5452 ANDERSON, C. P. We must plan for plenty. 14 p., processed. 1945. 1.91 A2An2

Talk before the Inter-State Milk Producers' Cooperative at Philadelphia, Nov. 27, 1945.

The relationship of all of agriculture to the total economy of the United States, with particular reference to the dairy industry.

5453 BRANNAN, C. F. The Department of Agriculture's part in regional development of our land and water resources. 10 p., processed. 1945. 1.91 A2B73

Address at the 14th annual meeting of the National Reclamation Association, Denver, Nov. 15, 1945.

#### SOIL CONSERVATION SERVICE

5454 AVAILABLE publications of the Soil Conservation Service, August 1945. 8 p., processed. 1945. 1.96 R27A

5455 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Columbia Basin. 2 Nos., processed. Portland, Oreg.? 1945. 1.96 R31Fse

Feb. 1, 16 p.; Mar. 1, 17 p.

5456 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Rio Grande Drainage Basin. 3 Nos., processed. Albuquerque? 1945. 1.96 R31Fer

Colorado Agricultural Experiment Station cooperating.

Feb. 1, 4 p.; Mar. 1, 5 p.; May 1, 5 p.

5457 FIRST annual report; light soils, central Wisconsin farm account work, Adams and Waushara Counties, 1944. 9 p., processed. La Crosse, 1945. 1.96 Op2An

Wisconsin Agricultural Experiment Station cooperating.

Includes a summary of 1944 crops and livestock production records as well as financial records for 53 farms.

5458 NO ONE can afford [soil] erosion. 12 p., processed. Lexington, 1945. 1.9605 N662

5459 OUTLINE, field training program, management of farm woods. 10 p., processed. 1945. 1.9608 Ou8

For an "on-site" discussion of farm and ranch woodland management. Applies largely to ponderosa pine and associated species.

5460 AN OUTLINE for teaching conservation in high schools. 56 p., processed. n. d. 1.96 R270th

Natural resources with emphasis on soil and water conservation.

5461 AN OUTLINE for teaching conservation in junior high schools. 26 p., processed. n. d. 1.96 R270tj

Natural resources with emphasis on soil and water conservation.

5462 AN OUTLINE for teaching conservation in urban elementary schools. 13 p., processed. n. d. 1.96 R270t

Natural resources with emphasis on soil and water conservation.

5463 SOIL and water conservation needs estimates for the United States. Rev., 109 p., processed. 1945. 1.96 L22So

Statistics by States.

SOLICITOR, OFFICE OF

5464 BEFORE the Interstate Commerce Commission, Docket No. 28863, Wool and Mohair Rates. Submitted on behalf of the Secretary of Agriculture. 61 p., processed. 1945. 1.918 W88W



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS  
February 1946

Includes State Agricultural Experiment Station publications received in the library during the preceding month. Articles in Station periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

5465 VORHIES, C. T. Water requirements of desert animals in the Southwest. *Ariz. Agr. Expt. Sta. Tech. B. 107*, p. 487-525. 1945. Ref., p. 524-525. 100 Ar4

5466 BUEHRER, T. F., and BENSON, L. Rubber content of native plants of the southwestern desert. *Ariz. Agr. Expt. Sta. Tech. B. 108*, 33 p. 1945. 100 Ar4

Connecticut (State) Agricultural Experiment Station, New Haven

5467 JONES, D. F., and NELSON, O. E., JR. Grain corn trials, Mt. Carmel and Windsor, Connecticut, 1945: report of progress 45G1. 7 p., processed. *Conn. (State) Agr. Expt. Sta.*, 1945. 100 C763

Delaware Agricultural Experiment Station, Newark

5468 DETJEN, L. R. Peach varieties by comparison. *Del. Agr. Expt. Sta. C. 17*, 10 p. 1945. 100 D37S

Florida Agricultural Experiment Station, Gainesville

5469 FREEMAN, T. R. New methods of preparing invert sirup. *Fla. Agr. Expt. Sta. Press B. 615*, 4 p. 1945. 100 F66S

Sirup in ice cream manufacture.

5470 FOUTS, E. L. Ice cream with less sugar. *Fla. Agr. Expt. Sta. Press B. 616*, 4 p. 1945. 100 F66S

5471 SMITH, F. B., and THORNTON, G. D. Soil testing. *Fla. Agr. Expt. Sta. Press B. 617*, 4 p. 1945. 100 F66S

5472 FOUTS, E. L. Use of the lactometer to determine the solids content of milk and to detect adulterations. *Fla. Agr. Expt. Sta. Press B. 618*, 4 p. 1945. 100 F66S

Georgia Coastal Plain Experiment Station, Tifton

5473 BLUE mold control by spraying tobacco plantbeds. *Ga. Coastal Plain Agr. Expt. Sta. Mimeog. Paper 7*, rev., 2 p. 1945. 100 G292M

5474 WEED and root-knot control in tobacco plantbeds with uramon and cyanamid. *Ga. Coastal Plain Agr. Expt. Sta. Mimeog. Paper 22*, rev., 1 p. 1945. 100 G292M

5475 GAS TREATMENT for blue mold control in tobacco plantbeds. *Ga. Coastal Plain Agr. Expt. Sta. Mimeog. Paper 23*, rev., 1 p. 1945. 100 G292M

5476 DUSTING tobacco plantbeds for blue mold control. *Ga. Coastal Plain Agr. Expt. Sta. Mimeog. Paper 42*, 1 p. 1945. 100 G292M

5477 CONTROLLING weevils in corn. *Ga. Coastal Plain Agr. Expt. Sta. Mimeog. Paper 43*, 2 p. 1945. 100 G292M

Hawaii Agricultural Experiment Station, Honolulu

5478 SHAPING the future of Hawaii's agriculture: report of the University of Hawaii Agricultural Experiment Station for the biennium ending June 30, 1944. 115 p. 1945. 100 H313

Kentucky Agricultural Experiment Station, Lexington

5479 BEERS, H. W., and HEFLIN, C. Rural people in the city: a study of the socio-economic status of 297 families in Lexington, Kentucky. *Ky. Agr. Expt. Sta. B. 478*, 19 p. 1945. 100 K41

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

5480 BRAY, C. I., and others. Feeding blackstrap molasses to fattening steers. *La. Agr. Expt. Sta. B. 394*, 43 p. 1945. 100 L93

M. G. Snell, F. L. Morrison, and M. E. Jackson, joint authors.

5481 PIERCY, P. L., and RUSOFF, L. L. Live-stock poisoning by *Crotalaria spectabilis*. *La. Agr. Expt. Sta. C. 36*, 4 p. 1945. 100 L93

Minnesota Agricultural Experiment Station, University Farm, St. Paul

5482 POND, G. A. Why farm earnings vary. *Minn. Agr. Expt. Sta. B. 386*, 28 p. 1945. 100 M66

5483 NELSON, L., and CLAMPITT, H. Population trends in Minnesota, 1940. *Minn. Agr. Expt. Sta. B. 387*, 39 p. 1945. 100 M66

5484 HARVEY, R. B., and others. Weeds poisonous to livestock. *Minn. Agr. Expt. Sta. B. 388*, 40 p. 1945. 100 M66

A. H. Larson, R. H. Landon, W. L. Boyd, and L. C. Erickson, joint authors.

5485 BORLAUG, N. E. Variation and variability of *Fusarium lini*. *Minn. Agr. Expt. Sta. Tech. B. 168*, 40 p. 1945. 100 M66

Flax disease.

5486 JESNESS, O. B. Postwar agricultural prospects. 24 p. *Minn. Agr. Expt. Sta.*, 1944? 281.12 M66

Mississippi Agricultural Experiment Station, State College

5487 DICKINS, D. Traditional food preparation rules. *Miss. Agr. Expt. Sta. B. 418*, 60 p. 1945. 100 M69

5488 LOOMIS, N. H., and DARROW, G. M. Suwannee, a new home-garden strawberry. *Miss. Agr. Expt. Sta. C. 123*, 3 p. 1945. 100 M69

5489 GREER, S. R. Winter legumes with tung trees. *Miss. Agr. Expt. Sta. Inform. Sheet 354*, 2 p. 1945. 100 M69In

5490 ASHLEY, T. E. Cabbage variety tests: Poplarville, 1944-1945. *Miss. Agr. Expt. Sta. Inform. Sheet 355*, 1 p. 1945. 100 M69In

5491 WOODBURN, R. Effect of weathering on Houston black clay. *Miss. Agr. Expt. Sta. Inform. Sheet 356*, 2 p. 1945. 100 M69In

5492 LEONARD, O. A., and HERZER, F. H. The hormone weed killer, 2,4-D. *Miss. Agr. Expt. Sta. Inform. Sheet 357*, 2 p. 1945. 100 M69In

5493 GULL, P. W. Small grains test, Stoneville, 1945. *Miss. Agr. Expt. Sta. Serv. Sheet 398*, 2 p. 1945. 100 M69

Barley, oats, rye, and wheat.

Missouri Agricultural Experiment Station, Columbia

5494 ETHERIDGE, W. C., and HELM, C. A. Alfalfa in Missouri. Mo. Agr. Expt. Sta. B. 492, 16 p. 1945. 100 M693

5495 KRUSEKOFF, H. H. Major soil areas of Missouri, their general characteristics and agricultural use. Mo. Agr. Expt. Sta. C. 304, 4 p. 1945. 100 M693

5496 TUCKER, C. M. Phloem necrosis, a destructive disease of the American elm. Mo. Agr. Expt. Sta. C. 305, 15 p. 1945. 100 M693

5497 KIBLER, H. H., and BRODY, S. Growth and development with special reference to domestic animals. LX. Field studies on cardio-respiratory functions and energy expenditure during work and recovery in mules. Mo. Agr. Expt. Sta. Res. B. 394, 34 p. 1945. 100 M693

Nebraska Agricultural Experiment Station, Lincoln

5498 HATHAWAY, I. L., DAVIS, H. P., and KEIM, F. D. Carotene content of native Nebraska grasses. Nebr. Agr. Expt. Sta. Res. B. 140, 15 p. 1945. 100 N27

5499 VAN ES, L., OLNEY, J. F., and BLORE, I. C. The effects of penicillin on *E. rhusiopathiae* infected pigeons. Nebr. Agr. Expt. Sta. Res. B. 141, 15 p. 1945. 100 N27

*Erysipelothrix rhusiopathiae*.

5500 WERNER, H. O. Potato storage structures for Nebraska. Nebr. Agr. Expt. Sta. Hort. Prog. Rpt. 7, 18 p., processed. 1945. 81 N272

New Jersey Agricultural Experiment Station, New Brunswick

5501 AGRICULTURAL publications of the New Jersey Agricultural College, Experiment Station, and Extension Service, Rutgers University. 27 p. N. J. Agr. Expt. Sta., 1944. 241 N42

5502 PLANT disease notes, v. 22, No. 9, p. 33-36, processed. Sept. 1945. 464.9 N46P

New Mexico Agricultural Experiment Station, State College

5503 FIFTY-FIFTH annual report of the New Mexico Agricultural Experiment Station, 1943-1944. 76 p. 1945. 100 N465

New York (Cornell) Agricultural Experiment Station, Ithaca

5504 NIEDERHAUSER, J. S. The rust [*Puccinia menthae*] of greenhouse-grown spearmint, and its control. N. Y. (Cornell) Agr. Expt. Sta. Mem. 263, 30 p. 1945. 100 N48C

North Carolina Agricultural Experiment Station, State College Station, Raleigh

5505 RESEARCH and Farming, v. 4, No. 1, 12 p. Oct. 1945. 100 N81R

Ohio Agricultural Experiment Station, Wooster

5506 BIMONTHLY bulletin, v. 30, No. 236, p. 157-173. Sent./Oct. 1945. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

5507 HARPER, H. J., and CROSS, F. B. Effect of ammonium nitrate as a fertilizer for spinach. Okla. Agr. Expt. Sta. B. B-288, 15 p. 1945. 100 Ok4

5508 MCMILLAN, R. T. Farm housing in southern Oklahoma. Okla. Agr. Expt. Sta. B. B-290, 23 p. 1945. 100 Ok4

5509 MCMILLAN, R. T. Social factors related to farm housing in southern Oklahoma. Okla. Agr. Expt. Sta. Tech. B. T-22, 28 p. 1945. 100 Ok4

5510 ABSTRACT of new publications and list of publications available. Okla. Agr. Expt. Sta. What's New in Okla. Farm Res., No. 10, 16 p. 1945. 100 Ok4W

5511 FARM research flashes. 6 p., processed. Dec. 1945. 100 Ok4F

Pennsylvania Agricultural Experiment Station, State College

5512 SCIENCE for the farmer: fifty-eighth annual report of the Pennsylvania Agricultural Experiment Station for the fiscal year ended June 30, 1945. Pa. Agr. Expt. Sta. B. 475, 48 p. 1945. 100 P381

5513 PIERCE, C. W. Seasonal peaks and valleys of milk production in the Pittsburgh milkshed. Pa. Agr. Expt. Sta. J. Ser. Paper 1297, 32 p., processed. 1945. 100 P381J

Tennessee Agricultural Experiment Station, Knoxville

5514 BIRD, J. J. Practical land clearing on the Cumberland Plateau. Tenn. Agr. Expt. Sta. B. 198, 22 p. 1945. 100 T25S

5515 DRAIN, B. D. Tennessee luscious red raspberry (Plant patent No. 653). Tenn. Agr. Expt. Sta. C. 92, 4 p. 1945. 100 T25S

Texas Agricultural Experiment Station, College Station

5516 FUDGE, J. F., and FRAPS, G. S. The chemical composition of grasses of northwest Texas as related to soils and to requirements for range cattle. Tex. Agr. Expt. Sta. B. 669, 56 p. 1945. 100 T31S

5517 GABBARD, L. P., FORD, E. C., and MOLYNEAUX, J. L. Trend in the sales price of farm and ranch lands in Texas, 1920-1944. Tex. Agr. Expt. Sta. Prog. Rpt. 971, 15 p., processed. 1945. 100 T31P

5518 BROOKS, L. E., and WOODFIN, V. I. Tomato variety test in the Wichita Valley. Tex. Agr. Expt. Sta. Prog. Rpt. 975, 1 p., processed. 1945. 100 T31P

5519 JOHNSON, P. R. A soil packer for rose cuttings. Tex. Agr. Expt. Sta. Prog. Rpt. 976, 1 p., processed. 1945. 100 T31P

Utah Agricultural Experiment Station, Logan

5520 FARM and home science, v. 6, No. 4, 16 p. Dec. 1945. 100 Uti1F

Virginia Agricultural Experiment Station, Blacksburg

5521 UNDERWOOD, F. L. Seasonal variations in Virginia farm prices. Va. Agr. Expt. Sta. B. 375, 46 p. 1945. 100 V81S

5522 BRYANT, R. L., and STEPHENSON, A. B. The relationship between egg production and body type and weight in Single Comb White Leghorn hens. Va. Agr. Expt. Sta. Tech. B. 96, 8 p. 1945. 100 V81S

Washington Agricultural Experiment Station, Pullman

5523 SINGLETON, H. P., NELSON, C. E., and STANBERRY, C. O. Fertilizers for irrigated alfalfa. Part I. Effect of fertilizer elements upon yield. Part II. Effect of fertilizers upon the chemical composition of alfalfa. Wash. Agr. Expt. Sta. B. 465, 29 p. 1945. 100 W27E

5524 PARISH, B. D. Peach production costs in the Yakima Valley, Washington, 1943 and 1944. Wash. Agr. Expt. Sta. B. 467, 12 p. 1945. 100 W27E

Wyoming Agricultural Experiment Station, Laramie

5525 BARNES, O. K., and NELSON, A. L. Mechanical treatments for increasing the grazing capacity of shortgrass range. Wyo. Agr. Expt. Sta. B. 273, 35 p. 1945. 100 W99



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month. Articles in Extension periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing State Extension Service.

Mimeographed or processed material issued by the State Agricultural Extension Services is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

California University, College of Agriculture, Agricultural Extension Service, Berkeley

5526 MEYERS, P. T., and SHULTIS, A. Alameda County poultry management study, fourth annual report. Oct. 1, 1944 to Sept. 30, 1945. 10 p., processed. Calif. Agr. Col. Ext., 1945. 275.29 C12En

Delaware University, School of Agriculture, Extension Service, Newark

5527 JOHNSON, H. A., WORRILOW, G. M., and PHILLIPS, C. E. Balancing the milk production budget. Del. U. Agr. Ext. B. 44, 31 p. 1945. 275.29 D37

5528 KENWORTHY, A. L., RICE, P. L., and HOPPER-STEAD, S. L. Growing fruits for home use. Del. U. Agr. Ext. B. 45, 40 p. 1945. 275.29 D37

5529 ANNUAL report of the Delaware Agricultural Extension Service to Delaware farmers, 1944. Del. U. Agr. Ext. B. 46, 23 p. 1945. 275.29 D37

5530 DETJEN, L. R. Flower and foliage plants for Delaware: season of bloom, color of flowers, height of plants. Del. U. Agr. Ext. Mimeog. C. 36, 13 p. 1945. 275.29 D37M

5531 JOHNSON, H. A. Returns from broiler production, Sussex County, Delaware, summer of 1944. Del. U. Agr. Ext. Mimeog. C. 37, 9 p. 1945. 275.29 D37M

5532 GORDY, J. F. Housing farm labor. Del. U. Agr. Ext. Mimeog. C. 38, 9 p. 1945. 275.29 D37M

5533 PHILLIPS, C. E. Homemade lime and fertilizer spreaders. Del. U. Agr. Ext. Mimeog. C. 39, 6 p. 1945. 275.29 D37M

Georgia University, College of Agriculture, Agricultural Extension Service, Athens

5534 WESTBROOK, E. C. Modernizing cotton production in Georgia. Ga. Agr. Col. Ext. B. 523, 51 p. 1945. 275.29 G29B

Machinery for cotton production.

Idaho University, College of Agriculture, Extension Service, Moscow

5535 ELECTRIC debeaker proves worth in poultry program. Idaho. Agr. Col. Ext. Rural Electr. Ext. Leaflet 69, 2 p. 1945. 275.29 Id13Ir

5536 WINTER water: keep drinking water available, insulate for protection, keep the pump working, drain exposed pipes and faucets, use water heater when needed. Idaho. Agr. Col. Ext. Rural Electr. Ext. Leaflet 70, 2 p. 1945. 275.29 Id13Ir

Watering livestock.

Indiana - Purdue University, Agricultural Extension Service, Lafayette

5537 VARIETIES of fruit for Indiana. Ind. (Purdue) U. Agr. Ext. Leaflet 271, 6 p. 1945. 275.29 In2L

Iowa State College of Agriculture, Agricultural Extension Service, Ames

5538 PLAN for Iowa victory garden program, 1945. 5 p., processed. Iowa. State Col. Agr. Ext., 1945? 275.2 Io92PL1

Kentucky University, College of Agriculture and Home Economics, Extension Service, Lexington

5539 HARRIS, C. E. Poultry calendar, 1945-1946, 48 p. Ky. Agr. Col. Ext., 1945. 275.29 K415Po

Louisiana State University and Agricultural and Mechanical College, Division of Agricultural Extension, University Station, Baton Rouge

5540 MONTELARO, J. Louisiana Creole onion best for bulbs and seed. La. Agr. Col. Ext. C. 242, ed. 3, 14 p. 1945. 275.29 L93C

5541 FARM and home publications. La. Agr. Col. Ext. C. 247, rev., 8 p. 1945. 275.29 L93C

5542 INGRAM, C., and JONES, S. Common poultry parasites. La. Agr. Col. Ext. C. 258, 8 p. 1945. 275.29 L93C

Revision of Poultry Topics, v. 1, No. 10.

Michigan State College of Agriculture and Applied Science, Extension Division, East Lansing

5543 WILDON, C. E., and others. Controlling diseases and insects on garden flowers. Mich. State Col. Agr. Ext. B. 271, 52 p. 1945. 275.29 M58B  
E. J. Rasmussen, R. Hutson, E. I. McDaniel, R. Nelson, and F. C. Strong, joint authors.

5544 IMPROVE your kitchen cupboard. Mich. State Col. Agr. Ext. B. 273, 8 p. 1945. 275.29 M58B

5545 PHILLIPS, D. A score card for organization chairmen. Mich. State Col. Agr. Ext. B. 274, 8 p. 1945. 275.29 M58B

5546 PHILLIPS, D. A score card for organization secretaries. Mich. State Col. Agr. Ext. B. 275, 6 p. 1945. 275.29 M58B

Missouri University, College of Agriculture, Agricultural Extension Service, Columbia

5547 CARL, F. L., and JOPLING, L. K. Betty bakes bread. Mo. Agr. Col. Ext. C. 521, 24 p. 1945. 275.29 M69C

5548 FITZGERALD, M., and WOODRUFF, L. Step saving storage for the kitchen and work room. Mo. Agr. Col. Ext. C. 522, 15 p. 1945. 275.29 M69C

5549 BALANCED farming handbook containing reference material for developing balanced farming systems 71 p. Mo. Agr. Col. Ext., 1945. 275.2 M69Bf  
For use with the Balanced Farming Workbook (275.2 M69Bfw).

5550 BALANCED farming workbook. 16 p. Mo. Agr. Col. Ext., 1945? 275.2 M69Bfw

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

5551 BOYS and girls 4-H Clubs, 1945. Nebr. Agr. Col. Ext. C. O-01-2, 16 p. 1945. 275.29 N272Ex

5552 BARE, O. S. Blister beetles [Meloidae]. Nebr. Agr. Col. Ext. C. 1516, rev., 2 p., processed. 1945. 275.29 N272Ex

5553 BARE, O. S., and MUMA, M. H. The Hessian fly [Phytophaga destructor], and its control. Nebr. Agr. Col. Ext. C. 1521, rev., 8 p. 1945. 275.29 N272Ex

5554 RESPONSIBILITIES of officers and leaders. Nebr. Agr. Col. Ext. C. 5590, rev., 3 p., processed. 1945. 275.29 N272Ex

5555 DOREMUS, M., and STANEK, M. Food preservation by freezing. Nebr. Agr. Col. Ext. C. 9965, 16 p. 1945. 275.29 N272Ex

5556 FOODS rich in minerals and vitamins for Nebraskans. Nebr. Agr. Col. Ext. C. 9969, 8 p. 1945. 275.29 N272Ex

5557 STANEK, M. The whole meal salad. Nebr. Agr. Col. Ext. C. 9970, 16 p. 1945. 275.29 N272Ex

New Mexico College of Agriculture, Extension Service, State College

5558 TRIVIZ, A. E., and STRONG, V. A. Economic information for New Mexico farmers and ranchers. 13 p., processed. N. Mex. Agr. Col. Ext., 1945. 275.2 N463Ec

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

5559 OUTLINE for plans of work: suggested activities by departments for consideration by agents, 1945. 28 p., processed. N. C. Agr. Col. Ext., 1944. 275.2 N810

Oregon State College, Federal Cooperative Extension Service, Corvallis

5560 4-H CLUB member's record book canning project. Oreg. State Col. Ext. Club Ser. J-25, 10 p. 1945. 275.29 Or32Bo

5561 COWGILL, H. Handwork: a beginning course in clothing. Oreg. State Col. Ext. Club Ser. L-71, 24 p. 1945? 275.29 Or32Bo

Pennsylvania State College, Agricultural Extension Service, State College

5562 PREVENTING soil erosion: simple systems of saving soil, water, and toil. 19 p. Pa. State Col. Agr. Ext., 1945? 275.2 P38Prs

Rhode Island State College, Extension Service, Kingston

5563 TENNANT, J. L., and BOND, G. E. A statement on farming in Rhode Island. R. I. State Col. Ext. Mimeog. C. 39, 4 p. 1945. 275.29 R34M

5564 HIGGINS, T. C. Selection and culling of poultry. R. I. State Col. Ext. Mimeog. C. 40, 7 p. 1945. 275.29 R34M

5565 SENIOR, W. C. Save time and labor feeding cows. R. I. State Col. Ext. Mimeog. C. 41, 4 p. 1945. 275.29 R34M

5566 HIGGINS, T. C. Time and labor: saving labor on the poultry farm. R. I. State Col. Ext. Mimeog. C. 42, 4 p. 1945. 275.29 R34M

5567 ANDERSEN, E. M., and others. Better living. R. I. State Col. Ext. Mimeog. C. 43, 12 p. 1945. 275.29 R34M

E. P. Christopher, V. B. Higbee, T. C. Higgins, and J. E. Ladd, joint authors. Home-use production.

5568 HIGBEE, V. B., and CHRISTOPHER, E. P. Frozen foods. R. I. State Col. Ext. Mimeog. C. 44, 12 p. 1945. 275.29 R34M

5569 ANDERSEN, E. M. Vegetables for Rhode Island. 2 p., processed. R. I. State Col. Ext., 1945. 275.2 R34V

South Dakota State College of Agriculture, Extension Service, Brookings

5570 OLSON, E. O. Growing tomatoes in the home garden. S. Dak. State Col. Agr. Ext. War Food Ser. 5, 6 p. 1945. 275.29 So85W

5571 WILSON, A. M. Deficient diet damage: body injury when no vitamin C. S. Dak. State Col. Agr. Ext. War Food Ser. 7, 6 p. 1945. 275.29 So85W

Tennessee University, College of Agriculture, Agricultural Extension Service, Knoxville

5572 DAVIS, L. L. Tomato growing for canning. Tenn. Agr. Col. Ext. Spec. C. 206, 4 p., processed. 1945. 275.29 T25C

5573 STRAWBERRIES for everybody: easy to grow, easy to eat, easy to sell, easy to preserve. Tenn. Agr. Col. Ext. Spec. C. 212, 12 p., processed. 1945. 275.29 T25C

5574 DRAIN, B. D. Red raspberries: the ideal home and market fruit. Tenn. Agr. Col. Ext. Spec. C. 214, 8 p., processed. 1945. 275.29 T25C

5575 GARDEN and fruit demonstrations. Tenn. Agr. Col. Ext. Spec. C. 215, 8 p., processed. 1945. 275.29 T25C

5576 MAKING new peach trees. Tenn. Agr. Col. Ext. Spec. C. 217, 3 p., processed. 1945. 275.29 T25C

5577 FIVE to seven minutes nutrition demonstration for boys and girls: let's eat an egg. Tenn. Agr. Col. Ext. Spec. C. 218, 2 p., processed. 1945. 275.29 T25C

5578 SEVEN to ten minutes nutrition demonstration for boys and girls: let's eat fruit, 4-H'ers. Tenn. Agr. Col. Ext. Spec. C. 219, 1 p., processed. 1945. 275.29 T25C

5579 FIVE to seven minute nutrition demonstration for boys and girls: let's drink milk. Tenn. Agr. Col. Ext. Spec. C. 220, 1 p., processed. 1945. 275.29 T25C

5580 FIVE to seven minute nutrition demonstration for boys and girls: let's eat, 4-H'ers. Tenn. Agr. Col. Ext. Spec. C. 221, 1 p., processed. 1945. 275.29 T25C

5581 SEVEN to ten minutes nutrition demonstration for boys and girls: let's eat raw vegetables. Tenn. Agr. Col. Ext. Spec. C. 222, 1 p., processed. 1945. 275.29 T25C

5582 SEVEN to ten minutes nutrition demonstration for boys and girls: let's eat lean meat everyday. Tenn. Agr. Col. Ext. Spec. C. 223, 1 p., processed. 1945. 275.29 T25C

5583 REAVES, C. W. Dual control of cattle grubs [Hypoderma] and lice. Tenn. Agr. Col. Ext. Spec. C. 224, 2 p., processed. 1945. 275.29 T25C

5584 PEACOCK, N. D. Strawberry production in Tennessee: harvesting and handling the crop. Tenn. Agr. Col. Ext. Spec. C. 231, 3 p., processed. 1945. 275.29 T25C

5585 GOWDER, M. T. Baled hay elevator. Tenn. Agr. Col. Ext. Spec. C. 233, 2 p., processed. 1945. 275.29 T25C

5586 STANLEY, W. W. Control of fruit gnat. Tenn. Agr. Col. Ext. Spec. C. 235, 2 p., processed. 1945. 275.29 T25C

5587 PEACOCK, N. D. Strawberry production in Tennessee: care of the plantation after harvest. Tenn. Agr. Col. Ext. Spec. C. 236, 3 p., processed. 1945. 275.29 T25C

5588 GIBBS, F., and KEMMER, M. 4-H'ers, let's cook vegetables. Tenn. Agr. Col. Ext. Spec. C. 237, 4 p. 1945. 275.29 T25C

5589 SHUEY, G. A. Home preparation of sirup for freezing peaches and other fruits. Tenn. Agr. Col. Ext. Spec. C. 241, 2 p., processed. 1945. 275.29 T25C

5590 SHUEY, G. A. Suggestions on the preparation of sirups for commercial freezing preservation of peaches. Tenn. Agr. Col. Ext. Spec. C. 242, 2 p., processed. 1945. 275.29 T25C



5591 MEYER, A. The control of humidity in curing sweetpotatoes. Tenn. Agr. Col. Ext. Spec. C. 243, 3 p., processed. 1945. 275.29 T25C

5592 STANLEY, W. W. Suggestions for the use of DDT. Tenn. Agr. Col. Ext. Spec. C. 244, 2 p., processed. 1945. 275.29 T25C

5593 DAVIS, L. L. Youngberry, boysenberry, nectarberry, and dewberry growing in Tennessee. Tenn. Agr. Col. Ext. Spec. C. 245, 4 p., processed. 1945. 275.29 T25C

Texas Agricultural and Mechanical College, Agricultural Extension Service, College Station

5594 HAMPTON, H. E., and MATTHEWS, J. L. Buying a Texas farm. Tex. Agr. Col. Ext. B-140, 30 p. 1945. 275.29 T312

5595 LEVERENZ, W. J. Can fruits in a water bath. Tex. Agr. Col. Ext. C-224, 16 p. 1945. 275.29 T312C

5596 CENTROS de recepción para obreros ambulantes. Reception centers for migratory farm workers. 47 p. Tex. Agr. Col. Ext., 1945? 275.2 T310e

5597 ROSBOROUGH, J. F., and MONTFORT, P. T. A lamp heated electric hotbed. 4 p., processed. Tex. Agr. Col. Ext., 1945. 275.2 T31E

Utah State Agricultural College, Extension Service, Logan

5598 FRUIT pest control program. Utah. State Agr. Col. Ext. N. S. 127, rev., 8 p. 1945. 275.29 Utl

Vermont University, College of Agriculture, Agricultural Extension Service, Burlington

5599 SOMMERFELD, E. Restyling the neckline. Vt. Agr. Col. Ext. Brieflet 644, rev., 6 p., processed. 1945. 275.29 V59E

5600 A NUTRITION survey of 2,300 Vermont children conducted in 1944 and 1945 under the sponsorship of the Vermont State Nutrition Committee. Vt. Agr. Col. Ext. Brieflet 722, 9 p., processed. 1945. 275.29 V59E

Virginia Agricultural and Mechanical College and Polytechnic Institute, Agricultural Extension Division, Blacksburg

5601 INFORMATION for Virginia fruit growers, 1945. Va. Agr. Col. Ext. B. 131, rev., 46 p. 1945. 275.29 V81B

Includes rodent control and dusting and spraying of apples, peaches, pears, cherries, and plums.

5602 SAFE dates for sowing winter wheat to avoid injury by the Hessian fly, *Phytophaga destructor*. Va. Agr. Col. Ext. C. E-392, 1 p. 1945. 275.29 V81C

5603 CAMERON, J. Food preparation: manual for 4-H members. Va. Agr. Col. Ext. C. E-393, 8 p. 1945. 275.29 V81C

Washington State College, Extension Service, Pullman

5604 UNDERFLOOR heat for poultry houses. Wash. State Col. Ext. B. 330, 8 p. 1945. 275.29 W27F  
Revision of Poultry Pointers, No. 13.

5605 AMOUNTS of vitamin D in different preparations. Wash. State Col. Ext. Mimeog. 300, 2 p. 1945. 275.29 W27Mim

5606 DAVIS, E. Pyramid of good nutrition. Wash. State Col. Ext. Mimeog. 301, 5 p. 1945. 275.29 W27Mim

5607 MAKING and selecting linens and accessories which have art quality. Wash. State Col. Ext. Mimeog. 303, 3 p. 1945. 275.29 W27Mim

5608 LUSK, M. S. Easy to make toys you can sew. Wash. State Col. Ext. Mimeog. 304, 21 p. 1945. 275.29 W27Mim

5609 LUSK, M. S. Tailored pads for today's shoulder line. Wash. State Col. Ext. Mimeog. 306, 3 p. 1945. 275.29 W27Mim

5610 HOW TO keep knives sharp. Wash. State Col. Ext. Mimeog. 307, 2 p. 1945. 275.29 W27Mim

5611 BEET syrup. Wash. State Col. Ext. Mimeog. 308, 3 p. 1945. 275.29 W27Mim

5612 DODGE, J. C., and ANDERSON, E. J. Leaf roll: a virus disease of potatoes. Wash. State Col. Ext. Mimeog. 311, 3 p. 1945. 275.29 W27Mim

5613 WING, L. How to build a bird house. Wash. State Col. Ext. Mimeog. 312, 2 p. 1945. 275.29 W27Mim

5614 PRUNING and training such fruits as boysenberries and youngberries. Wash. State Col. Ext. Mimeog. 313, 2 p. 1945. 275.29 W27Mim

5615 SNYDER, J. C. Making and clarifying cider. Wash. State Col. Ext. Mimeog. 314, 4 p. 1945. 275.29 W27Mim

5616 BUILT-IN ironing board. Wash. State Col. Ext. Mimeog. 315, 2 p. 1945. 275.29 W27Mim

5617 DAVIS, E. Meringues made easy. Wash. State Col. Ext. Mimeog. 317, 2 p. 1945. 275.29 W27Mim

5618 SUNDQUIST, A. Selecting and making curtains. Wash. State Col. Ext. Mimeog. 318, 12 p. 1945. 275.29 W27Mim

5619 SUNDQUIST, A. Suggestions on aprons. Wash. State Col. Ext. Mimeog. 319, 2 p. 1945. 275.29 W27Mim

5620 SNYDER, J. C., and others. Tree fruit and nut pollination. Wash. State Col. Ext. Mimeog. 320, 10 p. 1945. 275.29 W27Mim  
E. L. Overholser, R. L. Webster, and W. A. Luce, joint authors.

5621 WIRE sizes for rural electrification. Wash. State Col. Ext. Mimeog. 321, 1 p. 1945. 275.29 W27Mim

5622 SCORE card for 4-H meal preparation contests. Wash. State Col. Ext. Mimeog. 322, 1 p. 1945. 275.29 W27Mim

5623 DAVIS, E. Neufchatel cheese recipes. Wash. State Col. Ext. Mimeog. 325, 2 p. 1945. 275.29 W27Mim

5624 MUIR, J. Farm flock management. Wash. State Col. Ext. Mimeog. 327, 3 p. 1945. 275.29 W27Mim

Sheep.

5625 CAGLE, A. J. Poultry record report, Washington 1944. Wash. State Col. Ext. Mimeog. 329, 10 p. 1945. 275.29 W27Mim

5626 CAGLE, A., and SIVO, D. R. Strawberry cost study, Kitsap County, Washington, 1944. Wash. State Col. Ext. Mimeog. 330, 7 p. 1945. 275.29 W27Mim

5627 WEIGHTS and approximate measures of staple foods to be used by 4-H members as a guide in figuring costs of meals served. Wash. State Col. Ext. Mimeog. 331, 2 p. 1945. 275.29 W27Mim

5628 DAVIS, E. Sugar savers: honey, molasses, corn sirup, potato dextrose sirup, wheat dextrose sirup. Wash. State Col. Ext. Mimeog. 332, 16 p. 1945. 275.29 W27Mim

5629 MUIR, J. Making double-loop rope halters. Wash. State Col. Ext. Mimeog. 333, 2 p. 1945. 275.29 W27Mim

5630 SUGGESTIONS for livestock demonstrations for 4-H Club members with special emphasis on livestock conservation problems. Wash. State Col. Ext. Mimeog. 334, 2 p. 1945. 275.29 W27Mim

5631 MUIR, J. Sheep dipping vats. Wash. State Col. Ext. Mimeog. 336, 2 p. 1945. 275.29 W27Mim

5632 DAVIS, E. Keeping light colored fruits from darkening when canned or frozen. Wash. State Col. Ext. Mimeog. 337, 2 p. 1945. 275.29 W27Mim

5633 SUNDQUIST, A. Outline of suggestions for Christmas gifts to make at home. Wash. State Col. Ext. Mimeog. 338, 3 p. 1945. 275.29 W27Mim

5634 BRANNON, D. H. DDT for control of flies in barns and outbuildings and for control of hog and cattle lice. Wash. State Col. Ext. Mimeog. 339, 1 p. 1945. 275.29 W27Mim

5635 SNYDER, J. C. Suggestions to strawberry pickers. 6 p. Wash. State Col. Ext., 1945. 275.2 W27Ss

West Virginia University, College of Agriculture, Agricultural Extension Service, Morgantown

5636 SUDDS, R. H., and MARSH, R. S. Pruning fruit trees. W. Va. Agr. Col. Ext. C. 341, 38 p. 1945. 275.29 W522C

#### BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except restricted publications, not included in the foregoing sections which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature.

#### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

5637 ALLAN, R. G. Subject 1: Increase of agricultural production - a scheme accepted by Baroda State for reconstruction of backward areas. 4 p. Baroda? Baroda, Dept. of Agr., 1944. 281.182 B26S

5638 AMERICAN VOCATIONAL ASSOCIATION. POST WAR PLANNING COMMITTEE. AGRICULTURAL EDUCATION SECTION. Vocational agriculture; what it is, what it does, what it plans to do. 15 p. Danville, Ill., Interstate, n. d. 275.1 Am3

5639 ASSOCIATION OF AMERICAN RAILROADS. Land grants; what land grants were, what land grant deductions are, how they work in practice today, and why they should be terminated now. 20 p. Washington, D. C., 1944. 289.2 As724

5640 BANCO NACIONAL DE CRÉDITO EJIDAL, S. A. (MEXICO). El crédito agrícola dentro del sistema ejidal de México. 63 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 284.2 B224C

5641 BANCO NACIONAL DE CRÉDITO EJIDAL, S. A. (MEXICO). Seguros contra riesgos de la agricultura y ganadería. 127 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 284.2 B224R

5642 BARKSDALE, G., comp. Graduate theses of Atlanta University, 1931-1942. 71 p. Atlanta, Atlanta U. Libr., 1944. (Its P. No. 1) 241.8 At6  
Includes theses on agricultural economics and rural sociology.

5643 BARODA. DEPT. OF AGRICULTURE. Model projects. A request for financial assistance in the development stage of an experiment designed to test out the economic influence of different forms of land and operating control. 8 p. Baroda, 1944. 281.182 B26

5644 BENEDICT, R. C. A Brooklyn bridge to Morrisville; report on the Second Farm Labor Project of Brooklyn College, Morrisville, New York, June-September 1943. 52 p. Brooklyn, N. Y. ? 1944? 275.1 B79

5645 BENJAMIN FRANKLIN RESEARCH SOCIETY OF NEW ORLEANS. A suggested broadening of "The Gray Post-war Re-employment Plan" as submitted for consideration of the Committee on Re-employment of Returning Military and Naval Personnel. 10 p., processed. New Orleans, 1944? 282.033 B43

Includes employment on the land.

5646 BONNÉ, A. The economic development of the Middle East; an outline of planned reconstruction after the war. Rev. ed., 164 p. London, Paul, 1945. (Internatl. Libr. Sociol. and Social Reconstr.) 280.185 B64

Deals with agricultural development, including productivity of the region and capacity for absorption of agricultural population.

5647 CANADIAN SOCIETY OF TECHNICAL AGRICULTURISTS. NORTH SASKATCHEWAN BRANCH. Report of a committee on planning for postwar agriculture in Saskatchewan. 16 p., processed. Saskatoon, Sask., 1944. 281.137 C15

5648 CENTRAL LANDOWNERS' ASSOCIATION. Post war rural reconstruction problems. Ed. 2, 52 p. London, 1944. 281.171 C33

5649 CHINA. MINISTRY OF INFORMATION. China handbook 1937-1944; a comprehensive survey of major developments in China in seven years of war. 626 p. Chungking, 1944. 269.1 In3

Contains sections on agricultural administration, research, land tenure, agricultural finance, and price control.

5650 COMMUNIST PARTY OF GREAT BRITAIN. Agriculture, planned and prosperous; a programme issued by the Communist Party. 69 p. London, 1945. 281.171 C73A

5651 CONFERENCE ON CO-OPERATIVE FARMING FOR SASKATCHEWAN, REGINA, 1944. Summary of the minutes of the conference... August 25, 1944. 8 p., processed. Regina, 1944. 280.29 C7632S

5652 CONNECTICUT. POST-WAR PLANNING BOARD. Quick facts, post-war Connecticut; a summary of the interim report and recommendations of the Post-war Planning Board. 43 p. Hartford, Conn., 1945. 280.7 C7630

Includes rural life and agriculture.

5653 CONTARDO L., A. Chile, su capacidad agrícola y ganadera. 106 p. Santiago, Chile, "San Francisco," 1944. 281.164 C76

5654 COULTER, J. L. Postwar fiscal problems and policies; an objective critical correlation of divergent studies and views. 106 p. N. Y., Com. of Americans, Inc., 1945. Ref. 280.12 C839  
Section of postwar employment in agriculture.

5655, EMERSON, E. Local health units for the nation. 333 p. N. Y., Commonwealth Fund, 1945. 448 Am362

M. Luginbuhl, collaborator.

Reference is made to the rural population in the various State studies.

5656 ESPAILLAT, R. A. Algunos aspectos económicos de los principales productos de la República Dominicana en el comercio mundial. 25 p. Ciudad Trujillo, "Rincon," 1944. 286 Es6

5657 FARM CREDIT ADMINISTRATION OF WICHITA. Facts to be considered in securing helpful farm loans. 17 p. Wichita, 1945. 284 F2233

5658 FEI, H. T., and CHANG, C. I. Earthbound China; a study of rural economy in Yunnan. Rev. English ed., 319 p. Chicago, U. of Chicago Press, 1945. 281.184 F32E

Prepared in collaboration with P. Cooper and M. P. Redfield.

Topics include agriculture, land tenure, labor, farm management, land transfer and inheritance, rural industry, standards of living, population movements, marketing, and agriculture and industry.

5659 FERNÁNDEZ, E. Creación de organismos que regulen y coordinen la producción. 8 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 281 F39

International trade and the importance of creating an inter-American organization for the coordination and regulation of production.



5660 GUNN, S. M., and PLATT, P. S. Voluntary health agencies; an interpretive study; under the auspices of the National Health Council. 364 p. N. Y., Ronald, 1945. 448 G953

Includes rural health problems and the work of rural organizations.

5661 HERNANDEZ, A. E. La organización agraria de Costa Rica y el desarrollo del crédito rural por medio de las Juntas Rurales de Crédito. (Sum.) 7 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 284.2 H433

Notes that Costa Rica's agricultural organization is based on the small farm and discusses the credit operations developed for it.

5662 IGLESIAS, E. R. La importancia de la tasación en las funciones del crédito hipotecario; sistema racional de tasaciones. 44 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 284.2 Ig4

Includes valuation of agricultural properties, with particular reference to Costa Rica.

5663 ILLINOIS. POST-WAR PLANNING COMMISSION. Report of Committee on Agriculture. 24 p. Chicago, 1945. 280.7 I163

5664 INSTITUTO DE ECONOMÍA AGRÍCOLA, SANTIAGO, CHILE. INSTITUTO DEL INQUILINO. Mi tesoro. 96 p. Santiago, Chile, Empresa Editora Zig-Zag, 1945. (Libro del Huaso Chileno, No. 12) 31.9 Ia7

Rural life.

5665 JAMAICA. AGRICULTURAL POLICY COMMITTEE. Report. 82 p. Kingston, 1945. 281.14 J22

5666 KYLE, E. J. Desirable extension of the relationships between the agricultural educational institutions in the Americas. 7 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 275.1 K98

5667 MCINTYRE, A. J., and MCINTYRE, J. J. Country towns of Victoria; a social survey with a foreword by S. M. Wadham. 292 p. Melbourne, Melbourne U. Press, 1944. 280.1992 M18

Rural sociology including the interaction of conditions on the farm and the state of the country towns.

5668 MEARS, E. G. A trade agency for one world. 64 p. N. Y., Citizens Conf. on Internatl. Econ. Union, 1945. 286 M46T

Includes opinions of agricultural groups on world trade.

5669 MOORE, R. E. Agriculture in the program of inter-American cooperation. 10 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 280.2 M78

5670 MUENZNER, G. Jewish labour economy in Palestine. 231 p. London, Gollancz, 1945. 283 M573

In collaboration with E. Kahn.

Includes discussion of communal settlements, the smallholder workers' villages, marketing of agricultural products, and housing.

5671 MUSTARD, H. S. Government in public health. 219 p. N. Y., Commonwealth Fund, 1945. (N. Y. Acad. Med. Com. Med. and the Changing Order, Studies) 449.1 M97

Includes rural areas.

5672 NEW HAMPSHIRE. STATE PLANNING AND DEVELOPMENT COMMISSION. Rindge, New Hampshire; a suggested plan of development. 18 p., processed. Concord, 1945. 280.7 M453R

Farming's main function said to be as a supplementary source of income to those in small businesses.

5673 NICARAGUA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Índices demográficos de Nicaragua, 1933-1942. 14 p., processed. n. p., n. d. (Estudios Especiales) 254 M514I

Includes statistics for rural population.

5674 NORTHERN GREAT PLAINS AGRICULTURAL ADVISORY COUNCIL. SUBCOMMITTEE ON ECONOMIC AND SOCIAL ADJUSTMENTS. Land settlement opportunities in relation to postwar economic conditions, the Northern Great Plains. Report. 36 p., processed. n. p., 1944. 282.005 N81

5675 ORIVE ALBA, A. Ciudades agrícolas. 41 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 98.5 Or4

Planning of agricultural settlement, with particular reference to Mexico.

5676 REEVES, F. W., ed. Education for rural America. 213 p. Chicago, U. of Chicago Press, 1945. 275 R25E

Contents: Emerging problems in rural education, by F. W. Reeves, p. 9-22; Economic and social factors in planning an educational program in rural communities, by N. Edwards, p. 23-37; Farm income, migration, and leisure, by T. W. Schultz, p. 38-53; Education for the use of resources, by G. F. Gent, p. 54-72; The contribution of the land-grant college to rural education, by L. C. Emmons, p. 73-85; The school and the improvement of education in rural communities, by V. E. Herrick, p. 86-106; What rural schools can learn from the training programs of the armed forces, by R. W. Tyler, p. 107-118; The organization and financing of rural schools, by H. A. Dawson, p. 119-142; Library service to rural communities, by L. Carnovsky, p. 143-159; Economic co-operation and adult education, by E. R. Bowen, p. 160-170; Philosophy and activities of the Michigan State Farm Bureau in adult education, by E. A. Smaltz, p. 171-183; Training rural youth for leadership, by B. F. Hennink, p. 184-199; The educational program of the Farmers Educational and Co-operative Union of America, by Mrs. J. Evanson, p. 200-207.

5677 SALAS GARCÍA, J. 1er batallón de agricultores de América en México. 31 p., processed. México, D. F., 1944. 31.5 Sa32

5678 SASKATCHEWAN. DEPT. OF CO-OPERATION AND CO-OPERATIVE DEVELOPMENT. Submissions to the Royal Commission on Co-operatives. 17 p., processed. Regina, 1945. 280.2 Sa72

5679 SCHENCK, E. G. Geographic references in Harvard libraries on Japan proper. 52 p., processed. Cambridge, Mass., School for Overseas Admin., Harvard U., Civil Aff. Training School, 1944. 542.91 Sc2

Includes references to agriculture and trade.

5680 SCHULTZ, T. W. Agriculture in an unstable economy. 229 p. N. Y., McGraw-Hill, 1945. (Com. for Econ. Develpt. Res. Study) 281.12 Sch82A

5681 SCHWARTZ, H. Seasonal farm labor in the United States, with special reference to hired workers' in fruit and vegetable and sugar-beet production. 172 p. N. Y., Columbia U. Press, 1945. (Columbia U. Studies in Amer. Agr. No. 11) 283 Sch9

5682 SHADE TOBACCO GROWERS AGRICULTURAL ASSOCIATION, INC. Vacation work with the Shade Tobacco Growers Agricultural Association, Inc. and Connecticut Agricultural Extension Service. 12 p. n. p., 1945? 283 Sh1

5683 U. S. BUREAU OF THE CENSUS. United States foreign trade statistical publications. Reports covering calendar years 1941-1944. 13 p., processed. Washington, 1945. 157.41 Un382

5684 USLAR PIETRI, A. Sumario de economía venezolana para alivio de estudiantes. 310 p. Caracas, Centro de Estudiantes de Derecho, 1945. 280.169 Ue5

5685 VENEZUELA. MINISTERIO DE FOMENTO. DIRECCIÓN GENERAL DE ESTADÍSTICA. Séptimo censo nacional de población levantado el 7 de diciembre de 1941; tomo IV: Estados Guárico, Lara y Mérida. 601 p. Caracas, 1945. 255.9 Es8 Cp

Includes population engaged in agriculture and the food producing industries, distribution of suburban and rural population, and housing.



5686 WARD, L. R., ed. United for freedom; co-operatives and Christian democracy. 264 p. Milwaukee, Bruce, 1945. 280.2 W21U

Bibliography on the Co-operative Movement, by A. J. Kress, p. 252-261.

Partial contents: The land and co-operation, by J. C. Rowe, p. 126-140; How Belgian farmers adopted co-operation, by E. J. Ross, p. 141-156.

5687 WAUGH, F. V. The use of farm surpluses. 16 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 281.12 W35

Methods of disposing of surpluses with particular reference to the United States.

5688 WILSON, M. L. The role of the agricultural extension system in the United States. 18 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 275.2 W69

5689 WRIGHT, J. C. Vocational education in agriculture and home economics in the United States. 12 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 275 W93

#### AGRICULTURAL ENGINEERING

5690 CAJIGA D., I. DE LA. La casa rural en México. 35 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 296 C12

5691 KRUGLOV, A. N. Pnevmaticheskiy transport zerna i ego otkhodov, pod redaktsiei inzh. K. P. Grigor'eva. Chast' I [Pneumatic transport of grain and its byproducts, ed. by K. P. Grigor'eva. Part I]. 126 p. Moskva, Zagotizdat, 1944. 291 K93

5692 LÜERS, H. Chemie und technologie der landwirtschaftlichen gewerbe; ein leitfaden für studium und praxis. 205 p. Berlin, Parey, 1944. 388 L96

5693 REED, W. P. The vehicle scale. Definition of parts. Their installation, functions and relation to each other. 56 p. Atlanta, Ga. Dept. Agr., 1945. 212 Q29

5694 REPUBLIC STEEL CORPORATION. AGRICULTURAL EXTENSION BUREAU. Practical helps for farm and home, 1945. A collection of practical ideas, useful information and frequently-used reference data for use on the farm and in the home. 64 p. Cleveland, 1945. 30.3 R29

Includes farm equipment, etc.

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

5695 BLANK, M. H. Analysis of prices paid producers for manufacturing grade milk and prices received for manufactured dairy products and cream, January 1943 to May 1944. 2 p., processed. n. p., 1944. 284.344 B61

5696 BLANK, M. H. Analysis of prices paid producers in Tulare area [California] for manufacturing grade milk and prices received for manufactured dairy products and cream, 1943 averages and 1944 by months. 1 p., processed. n. p., 1945. 284.344 B61A

5697 BRAVO POBLETE, A. El problema de la industria frutícola en Chile. 87 p. Santiago, Chile, Talleres Gráficos "Simiente," 1944. 281.393 B73

5698 CANADA. SPECIAL PRODUCTS BOARD. Recommendations and suggestions for high quality egg powder. 5 p., processed. Ottawa? 1944? 47 C163

5699 COMBINED WORKING PARTY ON EUROPEAN FOOD SUPPLIES. The Combined Working Party and its job; introductory statement. 12 p., processed. London, 1944. 389.9 C733C

5700 CONFERENCE ON POSTWAR AGRICULTURAL AND ECONOMIC PROBLEMS OF THE COTTON BELT. Summary report of meeting on project II-VI, 5 Nos., processed. n. p., 1945. 281.3729 C76

Deals with the processing and marketing of cotton and cotton goods, and synthetic fibers and paper.

5701 CUBA. COMISIÓN DE PROPAGANDA Y DEFENSA DEL TABACO HABANO. DEPARTAMENTO DE ESTADÍSTICA. Nuestras cosechas tabacaleras; resumen de la producción, en libras netas, de 1904 a 1944. sheet. Habana, 1945. 254.8 C8972N

5702 CUBA. COMISIÓN NACIONAL DE PROPAGANDA Y DEFENSA DEL TABACO HABANO. DEPARTAMENTO DE ESTADÍSTICA. Producción industrial tabacalera de Cuba para el consumo nacional de 1904 a 1944. sheet. Habana, 1945. 254.8 C8972Pr

5703 CUPPINI, U. Trattato generale sulle pitture e vernici naturali e sintetiche. 406 p. Milano, Hoepli, 1945. 306 C92

Includes analysis of various vegetable drying oils and natural resins.

5704 DORNER, W., DEMONT, P., and CHAVANNES, D. Microbiologie laitière. Ed. 2, 228 p. Lausanne, Payot, 1945. 448.2 D734

5705 FLORIDA. DEPT. OF AGRICULTURE. Citrus industry of Florida. 198 p. Miami, Franklin Press, 1945? 93.33 F662

Contents: Citrus growing in Florida, by A. F. Camp; Packinghouse operation, by A. F. Camp; Citrus marketing, by R. C. Evans; Citrus processing, by L. G. MacDowell; Agencies serving the citrus industry.

5706 FREUDENBERG, W., and others. Die haut. 1104 p. Wien, Springer, 1944. Ref. (Handbuch der Gerbereichemie und Lederfabrikation, W. Grassmann, ed. V. 1. Die rohhaut und ihre Vorbereitung zur Gerbung, Pt. 1.) 303 B45

W. Grassmann, W. Hausam, T. Körner, A. Kuntzel, A. Mieskeley, G. Schmuck, F. Stather, and J. Trupke, joint authors.

Includes the chemistry of hides, methods of preservation and disinfection, and injuries and diseases of raw hides.

5707 HIXON, R. M. The adaptation of the starch industry to the supply of raw materials. 20 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 309 H64

5708 HYCAR CHEMICAL COMPANY. Everywhere in industry it's Hycar synthetic rubbers. 16 p. n. p., 1945. 305 H99

5709 KNOHR, K. E. World rubber and its regulation. 265 p. Stanford U., Calif., Stanford U. Press, 1945. Ref., p. 257-260. (Food Res. Inst. Commodity Policy Studies, No. 6) 289.9 L53

5710 LAGUARDIA, F. H. "Black meat area," a case study of black market operations in New York State. 31 p. n. p., 1945. 50 N422

5711 LEE, A. Strategic materials needed in the Western Hemisphere. 13 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 31 L51

The supply situation for various strategic agricultural products.

5712 LYNCH, D. F. J. Research on new and extended uses for cotton. 14 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 72 L99

5713 MARKLEY, K. S. Vegetable oils that the United States needs from the American Tropics. 27 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 307 M34

5714 MILK INDUSTRY COMMISSION. Milk distributor cooperation on FD079. 39 p., processed. n. p., 1944? 280.344 M592MA



5715 NATIONAL COTTON COUNCIL OF AMERICA. The age of textiles; synthetic fibers are a challenge to cotton research and promotion. 15 p. Memphis, 1945. 304 N212A

5716 NATIONAL PEANUT COUNCIL. Charter of incorporation, as amended February 10, 1945, and by-laws, as amended ... February 10, 1945. 31 p. Atlanta? 1945. 77.9 N21C

5717 PEARSON, F. A., and HARPER, F. A. The world's hunger. 90 p. N. Y., Cornell U. Press, 1945. Ref. 389 P313W

The problem of food supply and various aspects of increasing production, such as moisture and temperature, land forms and soils, and population.

5718 QUESADA BRAVO, G. Productos de importancia actual - carnes. 7 p. Mexico, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación.) 50 Q3

Statistical study of meat production in Mexico.

5719 RICOME, P. Industria peruana de los aguardientes de uva. 42 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación.) 390.1 R42

Includes manufacture and analysis.

5720 ROSADO, P. H. La paradoja de Yucatán. Auge de su industria henequenera. Hambre de sus campesinos. 137 p. Mérida, Yucatan, Centro Juvenil de Acción Social, 1945. 280.14 R71

Agricultural and economic conditions in Yucatán and the henequen industry.

5721 RUCHKIN, V. N. Khranenie i osnovy tekhnologii sel'skokhoziaistvennykh produktov [Storage and principles of the technology of agricultural products]. 323 p. Moskva, "Sel'khozgiz," 1944. 389 R823

5722 SOUTH AFRICAN SUGAR ASSOCIATION. The South African sugar industry, a review of its development and efficiency, the settlement of the returned soldier, sugar control and state policy. 27 p. Durban? The South African Sugar J., 1945. 281.365 So8

Includes statistics of the sugar industry.

5723 UKERS, W. H. Ten years of coffee progress; the highlights of coffee developments during the decade, 1935-44. 31 p. N. Y., Pan-Amer. Coffee Bur., 1945. 286.368 Uk3

5724 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Cotton. Summary of positions taken on national cotton price policies and summary of report on program or information called for by resolutions. 44 p., processed. Washington, 1945. 284.372 Un32

5725 U. S. FEDERAL TRADE COMMISSION. Report on distribution methods and costs; part VI: milk distribution, prices, spreads and profits; summary. 7 p., processed. Washington? 1945. 173 F32Dms

5726 U. S. SMALLER WAR PLANTS CORPORATION. TECHNICAL ADVISORY SERVICE. Report No. 3-RI,616--food... regarding statistics and general information concerning apple by-product industry. 8 p. Philadelphia, 1945. 173.3 Sml

5727 WESTERN FARM LIFE. MARKET RESEARCH DEPARTMENT. 1945 agricultural reference book for the Sure Crop Area [Colorado, Wyoming, Utah, southeast Idaho, southern Montana, western Nebraska, and New Mexico]; includes acreage, production and farm value and livestock products, ten year average-1933-1943, 1943 and 1944; number of poultry, and value of poultry products 1944 & 1945. 8 p., processed. Denver, Colo., 1945. 281.9 W52

5728 WIEGAND, E. H. The place of fruit and vegetable preservation in the emergency situation and in the future. 17 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación.) 389.3 W63

5729 WOOD, H. E. Facts about Manitoba. Rev., 16 p. Winnipeg, Manitoba. Dept. of Agr. and Immigr., 1945. 253.2 Ag83F  
Includes value of agricultural production and statistics of farms.

#### ANIMAL INDUSTRY

5730 ANDERSEN, T., and others. Fodermesterbogen. 559 p. København, Danske Landhusholdningsselskab, 1944. 40 F68

T. V. Andersen, A. From, K. Hansen, J. G. Holm, B. V. Kjaersshøj, L. Lauridsen, C. Ringtved, V. Steensberg, and H. Westerlund, joint authors.

Handbook on the management of dairy cattle and swine

5731 AVERILL, J. D. The new method of turkey production. 78 p., processed. Columbus, Kans., Natl. Turkey Inst., 1945. 47.3 Av3

5732 BACHNER, F. Lehrbuch der rindviehhaltung. Ed. 2, 169 p. Hannover, Schaper, 1944. 43 B12

5733 BROWN, W. F. Retriever gun dogs; history, breed standards and training; upland game and waterfowl specialists. 143 p. West Hartford, Vt., Countryman Press, 1945. 48 B81R

5734 CHRISTENSEN, N. O., and MOUSTGAARD, J. Fysiologiske og kliniske undersøgelsesmetoder for veterinærer [Physiological and clinical methods of examination for veterinarians]. 143 p. København, Mortensen, 1944. 41 C462

5735 CORTESE, M. Pollicoltura; familiare ed industriale. 290 p. Milano, Hoepli, 1945. Ref. 47 C817

5736 EICHHORN, A. Livestock disease control and eradication. 17 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación.) 41 E124L

5737 JUDY, W. Whelping of puppies. Ed. 5, 15 p. Chicago, Judy, 1945. (Handy Dog Booklet Ser. 6) 48 J92H

5738 MALEMUS, B. Grundriss der klinischen diagnostik der inneren krankheiten der haustiere. Ed. 14, rev. by T. Oppermann, 292 p. Leipzig, Jänescke, 1944. 41 M292

5739 MERCK & COMPANY, INC. Stilbestrol and derivatives in poultry production; annotated bibliography. 14 p. Rahway, N. J., 1945. 241.64 M53St

5740 NORDBY, J. E., BEESON, W. M., and FOURT, D. L. Livestock judging handbook. 350 p. Danville, Ill., Interstate, 1945. 40 N75

5741 STAZZI, P., and MIRRI, A. Malattie infettive degli animali domestici. Ed. 8, rev. and enl., 470 p. Milano, Istituto Editoriale "Cisalpino," 1945. 41 St14

5742 VIANELLO, G. Gli attuali metodi di difesa dalle più comuni malattie del pollame e dei conigli. 63 p. Milano, Istituto Sieroterapico Milanese Serafino Belfanti, 1944. 41 V65

#### ENTOMOLOGY

5743 ACKERKNECHT, E. H. Malaria in the upper Mississippi Valley 1760-1900. 142 p. Baltimore, Johns Hopkins, 1945. Ref. (B. of the History of Med. Sup. No. 4) 448 Ac5

Includes information on mosquito vectors.

5744 AMERICAN MOSQUITO CONTROL ASSOCIATION. Proposed revised constitution. 4 p. n. p., 1945. 428 Am33P

5745 AMOS, D. F. Mosquito control, Suva, Fiji. Training manual. 43 p. Suva, Fiji Times & Herald, 1944. 428 Am6

5746 ANNAND, P. N. Inter-American cooperation in the control of agricultural pests. 22 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación.) 423 An7

- 5747 BISHOPP, F. C. Relation of insects to the health of man and animals. 22 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 423 B54
- 5748 BOHART, R. M. A synopsis of the Philippine mosquitoes... U. S. Naval Medical Research Unit No. 2. 88 p. Washington, U. S. Navy Dept., Bur. Med. and Surgery, 1945. Ref. (Navmed 580) 153.46 Sy7
- 5749 CALIFORNIA. DEPT. OF PUBLIC HEALTH. A report on investigation of the disease bearing mosquito hazard in California. 20 v. San Francisco, 1945. 428 C124
- 5750 CLAUSEN, C. P. Biological control of insects, and facilities for inter-American cooperation in the exchange of beneficial insects. 19 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 423 C57
- 5751 CURRAN, C. H. Insects of the Pacific world. 317 p. N. Y., Macmillan, 1945. (The Pacific World Ser.) 422.9 C93
- 5752 ESSELBAUGH, C. O. Biology of the Pentatomidae (Hemiptera). (Abs.) 7 p. Urbana, Ill., 1945. 431 Es7
- Thesis - University of Illinois.
- 5753 KNOTT, J. I. Mosquito control, Suva. What you should know about filariasis. 16 p. Suva, Smith, Govt. Printer, 1944. 428 K752
- 5754 MIDDLE EAST LOCUST CONTROL DISCUSSIONS, CAIRO, 1945. Minutes. 75 p. Cairo? 1945. 429 M582
- Photostat.
- 5755 NATIONAL LIVESTOCK LOSS PREVENTION BOARD. Cattle grubs [Hypoderma spp.] must go! 23 p. Chicago, 1945. 428 N212C
- 5756 PARKER, J. R. Grasshopper control in the American nations. 22 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 429 P22
- 5757 RILEY, N. D. Some British moths. 32 p. London, Penguin Books, 1944. (King Penguin Books) 430 R452
- 5758 ROARK, R. C. The present demand and long-term outlook for insecticides. 11 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 423 R53
- 5759 TELLEZ, O. Prontuario de parasitología agrícola animal y vegetal. Ed. 2, 127 p. Mexico, D. F., B. Trucco, 1944. 423 T23
- 5760 WILLE, J. E. El control de insectos dañinos a la agricultura por medio del "método biológico" labores ejecutadas en el Perú. 7 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 423 W663
- ### FOOD AND HUMAN NUTRITION
- 5761 CHAPMAN, G. B. Nutrition; prevention and cure of common ailments. 145 p. Christchurch, N. Z., Whitcombe & Tombs, 1945? 389.1 C364
- 5762 GRIDGEMAN, N. T. The estimation of vitamin A. 76 p. London, Lever, 1944? Ref. 389.1 G873
- Spectrophotometric and biological assay of vitamin A and carotene.
- 5763 HARRIS, R. S., and THIMANN, K. V., eds. Vitamins and hormones; advances in research and applications. v. 3, 420 p. N. Y., Academic Press, 1945. Ref. 386.2 H243
- Partial contents: The interrelations of vitamins, by T. Moore; Sulfonamides and vitamin deficiencies, by F. S. Daft and W. H. Sebrell; Manifestations of prenatal nutritional deficiency, by J. Warkany; Growth factors in microbiology - some wider aspects of nutritional studies with micro-organisms, by B. C. J. G. Knight.
- 5764 KENT, N. L., and others. High vitamin flour. 18 p. St. Albans, Eng., Ministry of Food, 1944. 298 St22
- A. G. Simpson, C. R. Jones, and T. Moran, joint authors.
- 5765 STIEBELING, H. K. La producción agrícola y la alimentación. 18 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 389.1 St52P
- 5766 VERMONT. DEPT. OF EDUCATION. Vermont community school lunch program 1945-1946. 4 p. Montpelier, 1945? 389.1 V59
- U. S. Department of Agriculture cooperating.
- 5767 WALLACE, L. H. Soups, stews and chowders. 248 p. N. Y., Barrows, 1945. 389.25 W152So
- ### FORESTRY
- 5768 DENGELER, A. Waldbau auf ökologischer Grundlage, ein Lehr- und Handbuch. Ed. 3, enl. and impr., 596 p. Berlin, Springer, 1944. 463.83 D41
- 5769 GLORIE, H. Boschbouw. 3 v., processed. Gent, 1944. (Reeks Boschbouwkundige Wetenschappen) 99.06 G51
- 5770 GREAT BRITAIN. FORESTRY COMMISSION. NATIONAL FOREST PARK COMMITTEE (GLENTROOL). Report... 1943. 6 p. London, H. M. Stationery Off., 1945. 99.66 G799R
- Recommendations for formation of a national forest park in southern Scotland.
- 5771 GREAT BRITAIN. HOME GROWN TIMBER PRODUCTION DEPT. Employment in forestry and timber production for schools, 1944. 2 p. Edinburgh, 1944. 99.66 G81
- Scotland Forestry Commission cooperating.
- 5772 KLEIN, M. A. Forest conditions in Haiti and their relation to the national economy. 25 p., processed. Washington, D. C., Inst. of Inter-Amer. Aff., 1945. (Inst. of Inter-Amer. Aff. Food Supply Div. Spec. Rpt.) 173.3 In83Fo
- 5773 MCCLURE, F. A. Western Hemisphere bamboos as substitutes for oriental bamboos for the manufacture of ski pole shafts. 92 p. Washington, D. C., 1944. 99.79 M13
- National Research Council Committee on Quartermaster Problems final report on QMC-24.
- 5774 NATIONAL LUMBER MANUFACTURERS ASSOCIATION. National design specification for stress-grade lumber and its fastenings. 64 p. Washington, D. C., 1944. 99.76 N215Na
- 5775 NEW ENGLAND FORESTRY FOUNDATION. Introducing the New England Forestry Foundation. 4 p. Boston? 1945. 99.9 N442I
- 5776 OREGON. OFFICE OF PUBLIC UTILITIES COMMISSIONER. Oregon log marks; log brands registered with the public utilities commissioner of Oregon. 35 p., processed. Salem? 1945? 99.76 Or32
- 5777 SCHIFFINO, J. Riqueza forestal dominicana. Ed. 3, rev. and enl., v. 1, 291 p. Ciudad Trujillo, Montalvo, 1945. 99.22 Sch3
- 5778 TIMBER ENGINEERING CO., INC. The forest industries blaze new trails. 31 p. Washington, D. C., 1944. 99.75 T46
- 5779 WASHINGTON (STATE) STATE PLANNING COUNCIL. Forest resources of Snohomish County. 39 p., processed. Olympia, 1945? 280.7 W27Fo
- 5780 WEST, C. J. Pulp and paper manufacture, bibliography and United States patents, 1944. 221 p. N. Y., Tech. Assoc. of the Pulp and Paper Indus., 1945. 241.4 W52Pa
- ### PLANT SCIENCE
- 5781 BALDACCI, E. Vita privata della piante. Ed. 4, 260 p. Milano, Bompiani, 1944. (Avventure del Pensiero, v. 17) 463 B19



- 5782 BRANDES, E. W. The outlook for [Hevea] plantation rubber in tropical America. 12 p. Mexico, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 78 B734
- 5783 BRISEBOISE, D., and others. Comment produire fruits et légumes. 120 p. Tarbes, Direction des Services Agricoles des Hautes-Pyrénées, 1944. 90 B764
- G. Lamarque, P. Lobit, and G. Sannac, joint authors.
- 5784 BUXTON, B. R. Begonias and how to grow them. 163 p. N. Y., Oxford U. Press, 1946. 96.511 B98
- 5785 CAMPBELL, W. S., ed. The flora of Uig (Lewis). A botanical exploration. 63 p. Arbroath, Scot., Buncle, 1945. 458 C15
- Account of an expedition to the Outer Hebrides.
- 5786 CARVALHO E VASCONCELLOS, J. DE. Formas cultivadas de arroz existentes em Portugal (seu estudo botânico e classificação). Apêndice 2, 20 p. Lisboa, 1945. 59.24 C25
- 5787 CHASE, J. L. H. Profits from cloches. 32 p. Chertsey, Eng., Intensive Gard. Press, 1945. 91.13 C38
- 5788 CHUVAKHIN, V. S., and others. Posobie po bor'be s vrediteliami i bolezniami sel'skokhoziaistvennykh kul'tur [A guide to the control of pests and diseases of agricultural plants]. Ed. 5, 496 p. Moskva, "Sel'khozgiz," 1945. 464.4 C472
- K. S. Mushnikova, B. N. Pastukhov, S. D. Popov, B. A. Gerasimov, and P. V. Zaring, joint authors.
- 5789 COLLA, A. S. Cómo viven las plantas? 190 p. Buenos Aires, Losada, 1945. (Ciencia y Vida) 463.3 C68
- 5790 CORTESI, F. Lezioni di botanica generale e sistematica. Ed. 2, rev., 395 p. Castello, R. Università degli Studi di Perugia. Facoltà di Agraria, 1945. 463 C813
- 5791 COWIE, D. Tubers and taradiddle; or, The gardener's entertainment. Ed. 4, 126 p. Malvern, Tantivy Press, 1945. 91.15 C82
- 5792 CROOKS, D. M. Plants yielding drug and specialty products and their possibilities for the Americas. 17 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 452.8 C88
- 5793 ELLIS, A. The victory garden guide. 24 p. n. p., 1944. 91.15 EL5
- 5794 FOSTER, M. B., and FOSTER, R. S. Brazil. 314 p. Lancaster, Cattell, 1945. 457.2 F81
- Botanical collecting trip in Brazil; includes illustrations and plates.
- 5795 FRESA, R. Consideraciones sobre algunos organismos observados en el álamo "Criollo" del delta del Paraná (Argentina). 28 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 464.07 F89
- 5796 FREZZI, M. J. Podredumbre morena o "brown rot" de los frutos cítricos y los hongos que la producen en Corrientes (Rep. Argentina). 9 p. México, D. F., 1943. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 464.06 F89
- Phytophthora parasitica, P. citrophthora, P. megasperma, and P. boehmeriae.
- 5797 GOODSMAN, C. S. The week-end gardener; a book for the amateur horticulturist. Rev., 132 p. Crowther, Bognor Regis, 1945. 90.3 G62W
- 5798 HARD RED WINTER WHEAT IMPROVEMENT CONFERENCE. 5th, MANHATTAN, KANS., 1945. Report of the fifth Hard Red Winter Wheat Improvement Conference. 63 p., processed. Beltsville, Md., Div. of Cereal Crops and Dis., Bur. of Plant Indus., Soils and Agr. Engin., U. S. Dept. of Agr., 1945. 59.9 H213
- 5799 HARLOW, W. M. Poisonivy and poisonsumac. 19 p. Syracuse, N. Y. State Col. of Forestry, 1945. 452.83 H22
- 5800 IMPERIAL MYCOLOGICAL INSTITUTE, KEW. Distribution maps of plant diseases. Nos. 89-92. Kew, Eng., 1945. 464.9 Im7
- 5801 JENSEN, C. Lysbehandling af frø; nye spireresultater (Light-treatment of seeds; new germination results) Sup. 4 p. København, 1945. 61 J45L
- 5802 KILGORE SEED CO. Florida home gardens for victory. Grow vitamins at your kitchen door for better health and more vitality. 4 p. Plant City, Fla., 1944? 91.15 K55
- 5803 KILGORE SEED CO. Home garden insect and disease problems. 23 p. Plant City, Fla., 1944? 464.4 K55
- 5804 KOTT, S. A. Karantinnye sorniki i mery bor'by s nimi [Quarantinable weeds and methods of their control]. 103 p. Moskva, "Sel'khozgiz," 1945. 79 K845K
- 5805 LITTLE, R. R. Histology of barks of Cinchona and some related genera occurring in Colombia. 73 p., processed. Washington, Foreign Econ. Admin., Gen. Commod. Div., Cinchona Sect., 1945. 173.4 F76H
- 5806 LUCAS, J. M. Indian harvest; wild food plants of America. 118 p. Philadelphia, Lippincott 1945. 452.8 L962
- 5807 MANSFIELD, T. C. "Of cabbages and kings." 160 p. London, Collins, 1945. 97 M3120
- Mainly gardening of ornamentals, with colored photographs.
- 5808 MARCHIONATTO, J. B. Principios sanitarios para facilitar el comercio internacional de plantas y otros productos vegetales. 6 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 464.47 M33P
- 5809 MARIN A., O. Cultivos para los departamentos del Norte. 13 p. Managua, Nicaragua, Ministerio de Agricultura y Trabajo, 1944. 31.6 N51C
- Cereals, fruits, and forage crops.
- 5810 MÁS GUINDAL, J., and MÁS GUINDAL, A. Plantas productoras de esencias, resinas y sus derivados. 310 p. Madrid, Sección de Publicaciones, Prensa y Propaganda, 1944. 452.8 M37
- 5811 MICHIGAN. OFFICE OF CIVILIAN DEFENSE. VICTORY GARDEN SECTION. 1945 victory garden guide. folder. Lansing, 1945. 91.15 M583
- 5812 MOREAU, R. E. An annotated bibliography of Cinchona-growing from 1883-1943. 41 p. Nairobi, Govt. Printer, 1945. 71.1 M81
- Issued by the East African Agricultural Research Institute, Amani, Tanganyika Territory.
- 5813 MORRISON, B. Y. Interchange of plant materials between the Americas. 14 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 453 M83
- 5814 PADDICK, M. E. Iron deficiency chlorosis of plants; a collection of abstracts and extracts. 32 p., processed. Washington, D. C., 1945. 241.752 P13
- 5815 PRATOLONGO, U. Anticrittogamici ed insetticidi. Ed. 2, rev. and enl., 231 p. Roma, Ramo Editoriale degli Agricoltori, 1945. Ref. (Trattati di Agricoltura. v. 2) 464.4 P88A
- 5816 RIKL, M. A. Das pflanzenkleid der Mittelmeerländer. Lfg. 1-7. Bern, Huber, 1943-1945. 459.8 R446P
- Lfg. 1-2, ed. 2, unrevised.
- With illustrations, maps, and plates; references at end of many chapters.

5817 ROIG Y MESA, J. T. Plantas medicinales, aromáticas o venenosas de Cuba. 2 pts., 872 p. Habana, Cuba, Ministerio de Agricultura, Servicio de Publicidad y Divulgación, Publicaciones Técnicas, 1945. 456.3 Rb3

5818 SANTA BARBARA, CALIF. BOTANIC GARDEN. Guide to the garden. 20 p. Santa Barbara, Calif., 1944. 451.1 Sa5

5819 SCARAMOZZI, D. Coltivazione delle piante legnose da frutto. 687 p. Castello, Macrì, 1945. 93 Sca7

5820 SHELL COMPANY LIMITED. Australian wild-flowers; a popular introduction to the wild-flowers of Australia, with notes on their characteristics and the localities where they may be found. Ed. 4, 32 p. Melbourne, Robertson & Mullens, 1944. (Nat'l. Handbook No. 9) 460.31 Sh4

5821 TITTA, G. Il frumento. 167 p. Torino, Società Editrice Internazionale, 1941. (I Libri dell'Agricoltura) 59.26 T532

5822 VIGIL, C. C. El maíz, fabuloso tesoro. 116 p. Buenos Aires, Atlantida, 1944. 59.22 V68

5823 WALKER, E. A., and JEFFERS, W. F. Peach spraying in Maryland for bacterial spot control in 1944. 5 p., processed. College Park? Univ. of Maryland, 1944. 464.06 M36

5824 WHITEFIELD, J. J. Camellia, the bloom magnificent. 4 p. San Rafael, Calif., 1944. (Plant Patriciens Ser. II. Camellias, 9, Camellia Res. II: C. T. B. 3) 97.31 W58

5825 WOLF, C. A. California wild tree crops, their crop production and possible utilization. 68 p. Santa Ana Cañon, Calif., Rancho Santa Ana Bot. Gard. of the Native Plants of California, 1945. 452.8 W83

#### SOILS AND FERTILIZERS

5826 BENNETT, H. H. Conservation for today and tomorrow. 31 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 56.7 B44

5827 BENNETT, H. H. Soil erosion and land use in South Africa. 28 p. Pretoria, Union of So. Africa. Dept. of Agr. and Forestry, 1945. 56.7 B43Ser

5828 HORNER, G. M., HADDOCK, J. L., and VAN-DECAVEYE, S. C. Utilization of wheat straw and stubble by nitrogen fertilization. 3 p., processed. Washington, D. C., Nat'l. Fert. Assoc., 1945. 57.9 N217

Paper prepared for inclusion in the 1944 Proceedings of the National Joint Committee on Nitrogen Utilization.

5829 KELLOGG, C. E. Soil classification as the basis for a sound agriculture. 16 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 56.1 K29

5830 LAATSCH, W. Dynamik der deutschen acker- und waldböden. Ed. 2, 289 p. Dresden, Steinkopff, 1944. 56.43 L11

5831 NATIONAL FERTILIZER ASSOCIATION. Fertilizer industry forges ahead. 30 p. Washington, D. C., 1944. 57.2 N212Fe

5832 PETER, C. New aspects of physical, chemical, biological soil treatment. 72 p. Salt Lake City, Utah, 1945. (His Publication, No. 3). 56.6 P44N

5833 PETERSON, E. T. Saving soil and souls. 2 p., processed. n. p., 1945. 56.7 P44

5834 PIERRE, W. H. Adjusting soil management to the emergency in the United States. 28 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 56.7 P61

5835 RODRÍGUEZ L., A. El desarrollo y operación de los sistemas de riego en México. 55 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 55 R61

5836 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. First Deficiency Appropriation Bill for 1946. Hearings...79th Cong., 1st sess...Pt. 2. Rivers and harbors, flood control, reclamation. 665 p. Washington, 1945.

5837 VERMONT. COMMITTEE TO STUDY POWER DAMS AND THEIR RELATION TO AGRICULTURE. Report. 18 p., processed. n. p., 1944. 292.4 V59

Overflow of agricultural land resulting from dam and reservoir development.

#### MISCELLANEOUS

5838 BARIGOZZI, C. Tavole di zoologia per gli studenti del corso di scienze naturali dell'Università di Milano. 141 p. Milano, Casa Editrice Ambrosiana, 1944. 411 B23

5839 BERTUZZI, A. Classificazione decimale universale abbreviata per le industrie agrarie. 38 p. Milano, 1945. 243.1 B46

5840 BLOOM, A. The farm in the fen. 192 p. London, Faber, 1944. 32 B62

Reclamation of a farm.

5841 CANADA. BUREAU OF NORTHWEST TERRITORIES AND YUKON AFFAIRS. The Yukon Territory; a brief description of its administration, resources and development. 35 p. Ottawa, 1944. 280.138 C16

Includes climate, transportation, water power, agriculture, flora, and fauna.

5842 DRUMMOND, J. Charter for the soil. 219 p. London, Faber, 1944. 32 D84

A program for British agriculture, with discussion of farming conditions and needs. Contains chapters on crop production, tenure, fertilizers, and farm buildings.

5843 ENGLENDOW, F. L. Report on agriculture, fisheries, forestry and veterinary matters. 235 p. London, West India Roy. Comm., 1945. (1st. Brit. Parliament. Papers by Command Cmd. 6608) 281.14 G81

Contains chapters on food supply, agriculture, land ownership and use, land settlement, soil erosion, soil fertility, cash and export products, marketing, transportation and storage, agricultural credit and finance, veterinary work, agricultural education, policy in agriculture and agricultural research, and forestry.

5844 FARMERS' CLUB, LONDON. The Farmers' Club library; a classified list of books. Ed. 2, 44 p. London, 1945. 241 F22

5845 INTER-AMERICAN CONFERENCE OF AGRICULTURE. 2D, MEXICO CITY, 1942. PERMANENT COMMITTEE. Actas e informes...1942-1944. II. 66 p. México, D. F., 1945? 5 In8202A

5846 INTER-AMERICAN CONFERENCE OF AGRICULTURE. 2D, MEXICO CITY, 1942. PERMANENT COMMITTEE. Ejecución de las resoluciones y recomendaciones aprobadas en la II Conferencia Interamericana de Agricultura. III. 298 p. México, D. F., 1944? 5 In8202E

5847 INTER-AMERICAN CONFERENCE OF AGRICULTURE. 2D, MEXICO CITY, 1942. PERMANENT COMMITTEE. Informe sobre la ejecución, por parte del Gobierno Mexicano, de las resoluciones y recomendaciones de la conferencia, 1942 - julio - 1943 - I. 108 p. México, D. F., 1944? 281.14 InE

Improvements in Mexican agriculture.

5848 INTERNATIONAL INSTITUTE OF AGRICULTURE. LIBRARY. Liste des incunables possédées par la Bibliothèque...List of the incunabula belonging to the Library. 19 p. Roma, 1945. 241.5 In82

5849 KEENE, P. K. Is modern agriculture on the right path? A quest for a finer rural culture. 11 p. n. p., 1944. 31.3 K25



5850 KUNZ, J. I., ed. Der erfolgreiche pflanzer; wir schweizer als selbstversorger. Ed. 5, enl., 788 p. Olten, Walter, 1944. 33.21 K96

Includes the cultivation of fruits and vegetables, the control of pests and diseases, and the raising of poultry and rabbits.

5851 LARSON, G. E., and TELLER, W. M. What is farming? 410 p. N. Y., Van Nostrand, 1945. (The Van Nostrand Farm Handbooks.) 31.3 L32

5852 LE'COMPTE, E. L. Soil, forest and wild-life restoration in the farm program. Ed. 3, 51 p. Baltimore, Md. State Game and Inland Fish Comm., 1945. 279.037 L49

5853 MAYNARD, L. A. Coordinated research in animal and human nutrition. 10 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 386.3 M45

5854 SCHMIDT, E. G. Rural Hunterdon; an agricultural history. 331 p. New Brunswick, Rutgers U. Press, 1945. Ref., p. 297-320. 30.9 Sch53

Includes land tenure, forestry, agriculture and livestock production, labor, and rural life.

5855 SHCHENNIKOV, I. A. Spravochnik dlia pod-sobnykh khoziaistv [Reference book for agricultural industries supplementary to war industries]. 207 p. Moskva, "Sel'khozgiz," 1945. 33.31 Sh2

Information and instructions on how to carry on various farming enterprises.

5856 SHEFFIELD, ENG. FREE PUBLIC LIBRARIES AND MUSEUM. British industry and commerce, its history and reconstruction; a select bibliography. 56 p. Sheffield, 1945. 241.3 Sh32

Includes agriculture.

5857 TASSINARI, G. Manuale dell'agronomo. Ed. 2, 2139 p. Roma, Ramo Editoriale degli Agricoltori, 1944. 33.19 T18

5858 TEXAS. UNIVERSITY. Texas looks ahead. v. 1. The resources of Texas. 365 p. Austin, 1944. 280.083 T314

Partial contents: What we mean by resources, by E. W. Zimmermann, p. 1-16; How the people of Texas earn their living, by F. A. Buechel, p. 31-59. (Includes statistics of farm cash income); Agricultural resources and raw materials in Texas, by A. B. Cox, p. 61-80; Water resources, by F. B. Plummer, p. 235-251; Food preservation possibilities in Texas, by L. H. Bartlett, p. 269-271; Natural vegetation resources of Texas, by B. C. Tharp, p. 273-282; and Forest resources, by K. A. Kobe, p. 283-286.

5859 THORNTHWAITE, C. W. The economic relationship of climate and agriculture. 15 p. México, D. F., 1944. (Conferencia Interamericana de Agricultura, 2, México, D. F., 1942. Comité Permanente. Publicación) 340 T39

5860 TWISS, S. B., ed. Advancing fronts in chemistry; a series of lectures sponsored by Wayne University under the direction of Neil E. Gordon, Chairman, Department of Chemistry. Volume I. High polymers. 195 p. N. Y. Reinhold, 1945. Ref. 386 Ad9

Contains: Some concepts of textile fibers, by M. Harris.

5861 UNITED NATIONS INTERIM COMMISSION ON FOOD AND AGRICULTURE. Five technical reports on food and agriculture, submitted... by its Technical Committees on Nutrition and Food Management, Agricultural Production, Fisheries, Forestry and Primary Forest Products, Statistics. 313 p. Washington, D. C., 1945. 389 Un372

Contains the following reports: Nutrition and food management; Agricultural production; Fisheries; Forestry and primary forest products; Statistics.

5862 U. S. CONGRESS. HOUSE. COMMITTEE ON THE JUDICIARY. To amend sections 7 and 11 of the Clayton Act. Hearings... 79th Cong., 1st sess. on H. R. 2357... May 23, 24, 25, and September 20, 1945. Serial No. 8, 373 p. Washington, 1945.

Statements on packaged foods corporations and bread-baking industry, milk and milk products industries, and the farm implement industry.

5863 U. S. CONGRESS. SENATE. COMMITTEE ON TERRITORIES AND INSULAR AFFAIRS. Philippine Rehabilitation Act of 1945. Hearings... 79th Cong., 1st sess. on S. 1488... Oct. 22, 23, 24, 29, and 30, 1945. 177 p. Washington, 1945.

5864 U. S. LIBRARY OF CONGRESS. CENSUS LIBRARY PROJECT. National censuses and official publications in Italy since the First World War 1921-1944; a preliminary bibliography. 58 v., processed. Washington, 1945. 241.3 Un315

5865 VECCHI, A. Zooculture: apicoltura - bacchicoltura - avicoltura - coniglicultura. 528 p. Bologna, Capelli, 1944. 40 V49

5866 WATSON, J. A. S., and MORE, J. A. Agriculture; the science and practice of British farming. Ed. 3, rev. and enl., 883 p. Edinburgh, Oliver, 1945. 32 W33

In four parts dealing with the soil and its management, crops, livestock, and farm management, including marketing.

5867 WEAVER, H. Mississippi farmers, 1850-1860. 139 p. Nashville, Tenn., Vanderbilt U. Press, 1945. 20.9 W37

An exhaustive analysis of the economic and social structure of the agricultural population of Mississippi in the decade preceding the Civil War.

## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 5868 BARALT, R. M. La agricultura en la colonia. Conf. Interamer. de Agr., 3, Caracas, 1945. Diario, No. 10, p. 6-7. Aug. 3, 1945. 5 In8203D  
Crops introduced into Venezuela in eighteenth century.
- 5869 BEALS, A. T. Dispersal and germination of some Staten Island grass seeds. Staten Isl. Inst. Arts and Sci. Mus. B. 28: 26-27. Dec. 1945. 500 St2M
- 5870 BEARD, J. S. A forest lover in the Caribbee Islands. IV. The cloud-capped wilderness of Dominica. N. Y. Bot. Gard. J. 46: 237-248. Oct. 1945. 451 N48J
- 5871 BLUMFELT, S. Die wundertraube mit bart. Schweiz. Z. für Obst- u. Weinbau 53: 447-449. Dec. 9, 1944. 80 Sch9  
Cuscuta giving bearded appearance to bunch of grapes noticed in literature as early as 1541.
- 5872 BRUNEL, J. Qui a découvert la pénicilline? Montréal U. Inst. Bot. Contrib. 53, p. 333-343. 1944. Ref. 451 M763  
English summary.
- 5873 CAROZZI, A. Sur la découverte d'oogones de fucacées dans le Purbeckien du Noirmont (Jura vaudois). Soc. de Phys. et d'Hist. Nat., Genève. Compt. Rend. 62: 67-68. Apr./June 1945. 508 G28C
- 5874 COMPTON, O. C. A rapid method for the determination of chlorophyll in apple leaves. Amer. Soc. Hort. Sci. Proc. 46: 45-50. Aug. 1945. 81 Sol2
- 5875 DEGENER, O. A botanist leaves Hawaii. Torrey 45: 72. Sept. 1945. 450 T63  
Experiences of the author in Hawaii from Dec. 7, 1941, until May 28, 1942.
- 5876 DUBOIS, G., DUBOIS, C., and THEOBALD, D. Tourbières et histoire forestière en Berry et en Marche. Paris. Acad. des Sci. Compt. Rend. 218: 166-167. Jan. 1944. 505 P21
- 5877 THE FAIRY lamps of the turpentine [Syncarpia]. By Ka-vai. Walkabout 11(11): 32. Sept. 1, 1945. 331.8 W15
- 5878 FERRE, Y. DE. Histoire de l'arboretum de Jouéou de 1938 à 1942. Féd. Pyrén. d'Econ. Montagn. Ann. (1942/43) 10: 384-409. 1944. 280.9 F321
- 5879 FISH, S. The Plant Research Laboratories, Burnley; wartime activities. Victoria. Dept. Agr. J. 43: 386-388. Sept. 1945. 23 V66J
- 5880 FISHER, G. M. State flowers-- Idaho. Gard. Chron. Amer. 49: 300. Nov. 1945. 80 G1632  
Philadelphus lewisii.
- 5881 FUNK, W. Plant names and how they grow. Better Homes & Gardens 24(4): 73-74. Dec. 1945. 80 F9424
- 5882 GASPARINI, M. Relazione sull'attività tecnico-scientifica dell'Ente Consorziale Interprovinciale Toscano per le Sementi nel periodo 1931-42. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: xiii-xxvii. 1939/1943, pub. 1944. 16 En82
- 5883 GEBOTANISCHE FORSCHUNGSINSTITUT RÜBEL, ZÜRICH. Bericht über das Geobotanische Forschungsinstitut Rübel in Zürich für das Jahr 1944. Geobot. Forschungsinst. Rübel, Zürich. Ber. 1944: 3-11. 1945. 451 Z83Be
- 5884 GUILLAUMIN, A., and MANGUIN, E. Floraisons observées dans les serres du Muséum pendant l'année 1944. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 17: 64. Jan. 1945. 410.9 P213
- 5885 KELLY, C. Puzzler. Green Thumb 2(6): 16-18. Nov./Dec. 1945. 80 G82  
Redbud (Cercis) and Tamarix hispida naturalized in Glen Canyon along the Colorado River.
- 5886 LAIRD, N. The curious black lily. Walkabout 11(12): 12-14. Oct. 1, 1945. 331.8 W15  
Evil-smelling Australian plant.
- 5887 LOMBARD, A. Algues inférieures (chlorophycées) du Jurassique supérieur alpin. Soc. de Phys. et d'Hist. Nat., Genève. Compt. Rend. 62: 45-46. Apr./July 1945. 508 G28C
- 5888 MCKENNON, F. The Division of Plant Industry serves Oregon agriculture. Oreg. Dept. Agr. Agr. B. 148, p. 3-5. Dec. 1945. 2 Or3
- 5889 MANN, L. K. Use of the refractometer for selecting onion bulbs high in dry matter for breeding. Amer. Soc. Hort. Sci. Proc. 46: 285-292. Aug. 1945. 81 Sol2
- 5890 MORSHANSKAYA GOSUDARSTVENNAYA SELEKSION-NAYA STANTSIIA PO TRAVAM. Nauchnyi otchët za 1941/42 [Scientific report for 1941/42], 78 p. Moskva, 1945. 106 M83  
Contents: General information on the breeding station, by A. V. Popravko, p. 5-8; Breeding and seed raising work, by A. S. Molostov, A. V. Popravko, and E. K. Slipchenko, p. 9-14; Breeding work on the production of new varieties, by A. S. Molostov, A. V. Popravko, and E. E. Slipchenko, p. 14-33; Interstation species and variety testing, by A. S. Molostov, p. 33-37; Seed raising of perennial grasses and forage plants, by A. V. Popravko, p. 37-43; Agricultural technique of seed raising of perennial grasses and forage plants, by N. M. Dobrovolskiy, p. 43-78.
- 5891 PLANTS around which Christmas legends are built. By the Master Gardener. Seed World 58(11): 14. Dec. 7, 1945. 61.8 Se52
- 5892 POLUNIN, N. Report on bomb damage to botanical material in England. Torrey 45: 96. Sept. 1945. 450 T63
- 5893 RALEY, H. F. Ever tried the "plant-by-the-moon" method? Smallholder 74(1863): 10. Nov. 30, 1945. 10 Sml
- 5894 ROBBINS, W. J. "Plant life in a botanical garden." Roy. Canad. Inst. Proc., ser. 3A (1944/45) 10: 33-34. 517 T63P  
New York Botanical Garden.
- 5895 ROWNTREE, L. America's public gardens-- Santa Barbara Botanic Garden. Gard. Chron. Amer. 49: 290-291. Nov. 1945. 80 G1632
- 5896 STERN, A. C. Pollen in the air. Heating and Ventilating 42(11): 63-66. Nov. 1945. 291.8 H35
- 5897 T., A. Fruits of the bush. Walkabout 11(11): 34, 36. Sept. 1, 1945. 331.8 W15  
Commonly cultivated plants escaped from cultivation.
- 5898 ZAYAS-BAZÁN Y PERDOMO, H. La historia de la botánica en Cuba. Soc. Cubana de Bot. Rev. 2: 54-55, 80. Mar./Apr., May/June 1945. 451 Sol23

## SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

- 5899 CHIPPINDALL, L., and others. Plantae novae africanae. Series XXIV. J. So. African Bot. 11: 101-126. July 1945. 450 J8262  
R. H. Compton, R. H. Dyer, M. R. Henderson, P. Kiege, F. M. Leighton, G. J. Lewis, and I. C. Verdoorn, joint authors.  
Includes n. sup. in: Allochaete; Brachystelma; Pentzia 2.



- 5900 DAWSON, E. Y. An annotated list of the marine algae and marine grasses of San Diego County, California. San Diego Soc. Nat. Hist. Occas. Papers, No. 7, 87 p. San Diego, 1945. 410.9 Ss540
- 5901 DEIGNAN, H. G. Collecting projects in the local region. II. Intensive botanizing in a restricted area. Conf. District Flora. B. Wash.-Baltimore Flora, No. 9, p. 5-6, processed. Oct. 1945. 451 C7642

In the Lee District of Fairfax Co., Va.

- 5902 DUTILLY, A., and LEPAGE, E. Coup d'oeil sur la flore subarctique du Québec de la Baie James au Lac Mistassini. Nat. Canad. 72: 185-224. (To be cont.) July/Aug. 1945. 410 N216

Includes biographical note on André Michaux.

- 5903 FOSBERG, F. R. Collecting projects in the local region. I. The Sleepy Hollow area. Conf. District Flora. B. Wash.-Baltimore Flora, No. 9, p. 4-5, processed. Oct. 1945. 451 C7642

Area south of Falls Church, Fairfax Co., Va.

- 5904 GEIJSKES, D. C. Plants of the Surinam coastland; some observations on the littoral vegetation of Dutch Guiana. N. Y. Bot. Gard. J. 46: 229-236. Oct. 1945. 451 N48J

- 5905 KURSANOY, L. I. Poniatie o vide un nizshikh rastenii (The concepts of species in its application to lower plants). Mikrobiologiya 14: 210-214. 1945. 448.3 M582

- 5906 LEONARD, E. C. Collecting projects in the local region. III. Botanic work in the Bladensburg area still progresses. Conf. District Flora. B. Wash.-Baltimore Flora, No. 9, p. 6-8, processed. Oct. 1945. 451 C7642

- 5907 LINDI, W. Bericht über den vierten kurs in alpenbotanik. Geobot. Forschungsinst. Rübel, Zürich. Ber. 1944: 12-34. 1945. 451 Z83Be

- 5908 MOLDENKE, H. N. A contribution to our knowledge of the wild and cultivated flora of Maryland-I. Torreya 45: 79-92. Sept. 1945. 450 T63

- 5909 MONTGOMERY, F. H. A botanical survey of Waterloo County, Ontario. Roy. Canad. Inst. Trans. 25: 217-265. Oct. 1945. 517 T63T

- 5910 ROULEAU, E. Bibliographie des travaux concernant la flore canadienne, parus dans "Rhodora," de 1899 à 1943 inclusivement, précédée d'un index alphabétique de tous les noms botaniques nouveaux proposés dans cette revue. Montréal. U. Inst. Bot. Contrib. 54, 367 p. 1944. 451 M763

- 5911 WEATHERBY, C. A., and ADAMS, J. A list of the vascular plants of Grand Manan, Charlotte County, New Brunswick. Gray Herbarium, Harvard U., Contrib. CLVIII, 96 p. Cambridge, Mass., 1945. 451 G792

#### Spermatophytes

- 5912 BAILEY, L. H. Species Batorum. The genus Rubus in North America. X. Subg. V. Idaebatus; Subg. VI. Anoplobatus. In his Gentes Herbarum 5: 859-918. Nov. 10, 1945. 450 B15

- 5913 BEETLE, A. A. "Agropyron japonicum" is A. semicostatum. Amer. Soc. Agron. J. 37: 961. Nov. 1945. 4 Am34P

- 5914 BROCKMAN, C. F. Identifying deciduous trees in winter. Yosemite Nature Notes 24: 105-108. Nov. 1945. 409.6 Y8

- 5915 CHIPPINDALL, L. A new genus [Hylebates] in the Paniceae, and a key to the African genera of the sub-tribe Digitariastrae. J. So. African Bot. 11: 127-133. July 1945. 450 J8262

- 5916 DWYER, J. D. The taxonomy of the genus Krukoviella A. C. Smith (Ochnaceae). Torreya 45: 69-72. Sept. 1945. 450 T63

- 5917 HANGER, F. Plants new or noteworthy. Coprosma parviflora. Gard. Chron. 118: 160. Oct. 13, 1945. 80 G162

- 5918 HAWKES, A. D. Zeuxine strateumatica at home. Amer. Orchid Soc. B. 14: 250-251. Nov. 1, 1945. 80 Am329

Habitats in various parts of Florida.

- 5919 ILIEN, G. Bidrag till Skanes flora. 31. Förekomsten av Petasites hybridus i Skåne. Bot. Notiser 1945: 181-303. Sept. 29, 1945. 450 B656

- 5920 JACQUET, J. Sur la répartition et la mode de propagation du Spartina townsendii sur la côte occidentale du département de la Manche. Paris. Acad. des Sci. Compt. Rend. 218: 207-209. Jan. 1944. 505 P21

- 5921 KOTOV, M. I. O nakhozhdanii v Kieve adventivnogo karentinnogo sornika Amaranthus blitoides S. Watson (On the finding in Kiev of an adventive quarantine weed Amaranthus blitoides S. Watson). Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 187. 1945. 451 R923

- 5922 KOTOV, M. I., and KARNAUKH, E. D. O nakhozhdanii v SSSR novogo adventivnogo rastenija - Collomia linearis Nutt. (On the finding in the USSR of a new adventive plant Collomia linearis Nutt.). Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 185-186. 1945. 451 R923

- 5923 NEHRLING, H. Stilt palms [Iriarte]. Amer. Eagle 40(29): 1, 4. Nov. 8, 1945. 6 Am327

- 5924 NEHRLING, H. Sugar palms; Arenga, Labill. Amer. Eagle 40(27): 1, 4. Oct. 25, 1945. 6 Am327

- 5925 NEHRLING, H. Talipot palms; genus Corypha consists of but few species. Amer. Eagle 40(28): 1-4. Nov. 1, 1945. 6 Am327

- 5926 PAVLOV, N. V. Ključ dlia opredeleniia vidov roda Lappula Moench., rastushchikh v Kazakhstane (Key for the determination of the species of genus Lappula Moench. growing in Kazakhstan). Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 188-192. 1945. 451 R923

- 5927 PONCE DE LEÓN, A. Joyas de la flora cubana [Hibiscus tiliaceus]. Soc. Cubana de Bot. Rev. 2: 79. May/June 1945. 451 Sol23

- 5928 REHDER, A. Notes on some cultivated trees and shrubs. II. Arnold Arboretum J. 26: 472-481. Oct. 1945. 451 Ar6J

Includes n. sp. Robinia leucantha.

- 5929 ROLLAND-GERMAIN, FRÈRE. Un Lycopodium endémique de l'estuaire du Saint-Laurent [Lycopodium laurentianum]. Nat. Canad. 72: 177-184. July/Aug. 1945. 410 N216

- 5930 RUPP, H. M. R. The native orchids of the County of Cumberland, New South Wales. Austral. Orchid Rev. 9: 57-60. Dec. 1944. 80 Au73

- 5931 SALTER, T. M. The genus Oxalis in South Africa. A taxonomic revision. J. So. African Bot., sup. v., No. 1, 355 p. 1944. 450 J8262A

- 5932 SCHWEINFURTH, C. A new small-flowered Brassia [B. juninensis, n. sp.]. Amer. Orchid Soc. B. 14: 248-250. Nov. 1, 1945. 80 Am329

- 5933 SENIOR, R. M., and CROOK, H. C. Campamula pelia. Alpine Gard. Soc. Gt. Brit. Q. B. 12: 107-109. June 1944. 84 AL6

- 5934 SHERFF, E. D. Monarda fistulosa L. and its two whiteflowered forms. Torreya 45: 68. Sept. 1945. 450 T63

- 5935 SUMMERHAYES, V. S. African orchids. XVI. Harvard U. Bot. Mus. Leaflet 12: 89-116. Oct. 23, 1945. 451 H262

Includes n. spp. in: Polystachya; Rhipidoglossum 2; Diaphamanthe 3; Sarcorrhynchus; Angraecopsis.

- 5936 SUN, V. G., and SZE, L. C. A note on "Tsontsai" [Brassica juncea var. linearifolia]. Amer. Soc. Hort. Sci. Proc. 46: 295-298. Aug. 1945. 81 Sol2

- 5937 WILLIAMS, A. C. J. Cunningham's fig [Ficus cunninghamii]. Walkabout 11(10): 30-31. Aug. 1, 1945. 331.8 W15

#### Bryophytes

- 5938 ANDREWS, A. L. Taxonomic notes. IV. Sciaromium lescurei. Bryologist 48: 100-102. Sept. 1945. 450 B84

5939 BARTRAM, E. B. Mosses of Morobe district, northeast New Guinea. *Bryologist* 48: 110-126. Sept. 1945. 450 B84

Includes 17 new species.

5940 CLARK, L., and FRYE, T. C. *Jubula pennsylvanica*. *Bryologist* 48: 127-130. Sept. 1945. 450 B84

5941 CONARD, H. S. The Atracheata (Bryophyta) of Iowa. II. Iowa mosses in print: a critique of the species reported for the State. *Bryologist* 48: 103-109. Sept. 1945. 450 B84

5942 JENNINGS, O. E. Range of *Mnium hornum*. *Bryologist* 48: 158. Sept. 1945. 450 B84

5943 LATHAM, R. *Cetraria islandica* (L.) Ach. on Long Island, N. Y. *Bryologist* 48: 159-160. Sept. 1945. 450 B84

5944 STEERE, W. C. The collecting of mosses and liverworts. Mich. U. Dept. Bot. Instr. Nat. Armed Forces Bot. Field Work, No. 3, 13 p., processed. Ann Arbor, 1944. 451 M5814

5945 WYNNE, F. E. Studies in *Calliergon* and related genera. *Bryologist* 48: 131-155. Sept. 1945. 450 B84

#### Algae

5946 DANGEARD, P. Sur un genre nouveau de chlorophycées épiphyte d'eau douce [Ectogerron elodeae nov. gen., nov. sp.]. *Paris. Acad. des Sci. Compt. Rend.* 220: 181-183. Jan. 29, 1945. 505 P21

5947 DOTY, M. S. The marine algae of Oregon. Stanford U. Abs. Diss. (1944/45) 20: 3-4. Dec. 1, 1945. 241.8 St2

5948 TAYLOR, W. R. The collecting of seaweeds and freshwater algae. Mich. U. Dept. Bot. Instr. Nat. Armed Forces Bot. Field Work, No. 1, 18 p., processed. Ann Arbor, 1945. 451 M5814

#### Fungi (Including Lichens)

5949 AHMAD, S. Higher fungi of the Panjab Plains. IV. *Lloydia* 8: 238-244. Sept. 1945. 442.8 L77

5950 ARRAGON, G., and others. Dissociation d'*Eremothecium ashbyii* Guillermond. *Paris. Acad. des Sci. Compt. Rend.* 220: 65-67. Jan. 3, 1945. 505 P21

J. Mainil, R. Refait, and H. Velu, joint authors.

5951 BAXTER, D. V. The collecting of wood-destroying fungi. Mich. U. Dept. Bot. Instr. Nat. Armed Forces Bot. Field Work, No. 8, 23 p., processed. Ann Arbor, 1945. 451 M5814

5952 BJORNEKAER, K. Floristiske undersøgelser over danske baevresvampe (Tremellaceae) (Danish species of Tremellaceae (Exidia, Naematelia and Tremella)). *Friesia* 3: 1-34. Feb. 1944. Ref. 450 F91

English summary.

5953 FULLER, W. H., and NORMAN, A. G. The nature of the flora on field-retting hemp. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 101-105. 1945. 56.9 Sot

Fungi and bacteria in relation to the process of retting in the field.

5954 GUYOT, A. L., and BRUN, J. Études expérimentales sur les urédinées hétéroiques réalisées au laboratoire de botanique de l'Ecole Nationale d'Agriculture de Grignon (Seine-et-Oise) au cours de l'année 1941. 1942. Grignon Ecole Natl. d'Agr. Ann. (ser. 3) 3: 93-99. 1942; 4: 116-147. 1944. 105.3 G872A

Mainly Puccinia.

5955 IMSHENETSKII, A. A., and SOLOVTSOVA, L. I. O nesovershennykh formakh mikrobakterii (On the imperfect forms of myxobacteria). *Mikrobiologiya* 14: 220-229. 1945. 448.3 M582

Imperfect forms are united in a new family Promyxobacteriaceae.

English summary.

5956 KLINGE, A. B. Om en masseforekomst af *Plectania coccinea* (Scop.) Fckl., samt om en hvidlig form af denne, f. albida f. n. (A mass occurrence of *Plectania coccinea* (Scop.) Fckl. together with a description of a whitish form, f. albida f. n.). *Friesia* 3: 41-45. Feb. 1944. 450 F91

English summary.

5957 LANGE, M. Iagttagelser over svampefloraen paa brandpletter (Notes on fungi confined to burnt ground). *Friesia* 3: 58-61. Feb. 1944. Ref. 450 F91

English summary.

In bog of Buremose, North Seeland, Denmark.

5958 LANGE, M. Nogle sjendommelige baeger-svampe (Notes on some Discomycetes in Denmark). *Friesia* 3: 62-64. Feb. 1944. Ref. 450 F91

English summary.

5959 MAGNUSSON, A. H. New or otherwise interesting Swedish lichens. XII. *Bot. Notiser* 1945: 304. 314. Sept. 29, 1945. 450 B656

Includes new spp. in: *Caloplaca* 3; *Lecidea* 2; *Rhizocarpon*; *Psorotichia*.

5960 MAINS, E. B. The collecting of fungi and lichens. Mich. U. Dept. Bot. Instr. Nat. Armed Forces Bot. Field Work, No. 2, 8 p., processed. Ann Arbor, 1944. 451 M5814

5961 MORSE, E. E. Stalked puffball [Battarrea phalloides] at Wellesley College. *Nature Mag.* 38: 488-489. Nov. 1945. 409.6 N214

5962 SINGER, R. The Laschia-complex (Basidiomycetes). *Lloydia* 8: 170-230. Sept. 1945. Ref. 442.8 L77

5963 TERKELSEN, F. En ny ridderhat, *Tricholoma pseudo-imbricatum* Lange & Terkelsen sp. n. (*Tricholoma pseudo-imbricatum* Lange & Terkelsen sp. n.). *Friesia* 3: 35-40. Feb. 1944. 450 F91

English summary.

5964 VIENNOT-BOURGIN, G. Étude de quelques champignons parasites nouveaux ou peu connus en France. Grignon Ecole Natl. d'Agr. Ann. (ser. 3) 4: 216-241. 1944. 105.3 G872A

#### PATHOLOGY

##### General

5965 ALLINGTON, W. B. Soybeans do have serious diseases. Soybean Processors' Conf. Rpt. (1944) 1: 13-14, processed. 275.29 IL62Pag

5966 BERTELLI, J. C. El invierno es la época más propicia para curar los frutales. *Asoc. Rural del Uruguay. Rev.* 72(7/8): 113-115. July/Aug. 1945. 5.9 AS5

Winter care for prevention of diseases and pests.

5967 BICKNELL, H. How to cook a rabbit's goose. *Better Homes & Gardens* 24(4): 96, 108. Dec. 1945. 80 F9424

Repellents to prevent injury to gardens by rabbits.

5968 BISSETT, J. The black spot or mosaic in *Cymbidiums*. *Austral. Orchid Rev.* 10: 48. Sept. 1945. 80 Au73

Undetermined origin.

5969 BLUMER, S. Schädigungen durch frost und trockenheit an apfelbäumen. *Schweiz. Z. für Obst- u. Weinbau* 54: 245-249. July 8, 1944. 80 Sch9

5970 BRANAS, J. La reconstitution du vignoble et el court noué. *Off. Internatl. du Vin. B.* 18 (171/174): 71-81. May/Aug. 1945. 390.8 B87

5971 BRANAS, J. Soufres natifs et soufres chargés. *Prog. Agr. et Vitic.* 61: 27-31. Jan. 23/30, 1944. 14 p94

Use as fungicide.

5972 BURRELL, A. B., and BOYNTON, D. Effect of nitrogen level on freezing injury to growing blossom buds of the McIntosh apple. *Amer. Soc. Hort. Sci. Proc.* 46: 32-34. Aug. 1945. 81 Sol2



5973 CANADA. AGRICULTURAL SUPPLIES BOARD. Seed treatment for small grain crops. Canada. Agr. Supplies Bd. War-Time Prod. Ser. Spec. Pam. 82, 4 p. Ottawa, 1945. 7 Cl62

5974 CIFERRI, R., and BALDACCIO, E. Causes of error in the 'in vitro' control method of fungicides and description of the Palagi-Terzano 'nebulization bench.' Internatl. Inst. Agr. Internatl. Rev. Agr. 35: 65M-72M. Sept./Oct. 1944. 280.29 In82A

5975 DENMARK. STATENS PLANTEPATOLOGISKE FØRSØG. Maanedsoversigt over plantesygdome. Denmark. Statens Plantepatologiske Forsøg. Maanedsovers. over Plantesygd., No. 279, p. 71-80. København, 1945. 464.9 S44M

Survey of fungus and insect diseases of plants by H. R. Hansen, A. Webber, and P. Bovien.

5976 DUPIC, H. Le traitement des semences. B. Agr. des Hautes-Pyrénées, No. 400, p. 4-5. Jan./Feb. 1944. 14 B875

Wheat, peas, and beans.

5977 ENFERMEDADES de los citros. Chacra 14 (164): 36, 47. June 1944. 9 C34

5978 FERRIS, R. "How I grew 99.72 per cent clean apples [by spraying]." Ill. State Hort. Soc. Trans. (1944) 78: 288-292. 1945. 81 IL6

5979 GARMAN, P. Can the spray schedule be shortened safely? Maine State Pomol. Soc. Ann. Rpt. 1944: 56-61. 81 M28

5980 GERHARDT, F., ENGLISH, H., and SMITH, E. Cracking and decay of Bing cherries as related to the presence of moisture on the surface of the fruit. Amer. Soc. Hort. Sci. Proc. 46: 191-198. Aug. 1945. 81 Sol2

5981 GORLENKO, M. Protravlivanie semian rzhi [Treatment of rye seeds]. Sovkhoz. Proizvod. 5(7): 49. July 1945. 20 So85

For control of disease.

5982 GROS, M. La reconstitution du vignoble dans les régions de production de vin courant. Off. Internatl. du Vin. B. 18(171/174): 82-91. May/Aug. 1945. 390.8 B87

Problem of court-noué in the vineyards.

5983 HARRISON, A. L. Tests on some new organic fungicides on tomatoes and cucumbers. Market Growers J. 74(12): 8. Dec. 1945. 6 M34

5984 HOCKEY, J. F. Seed treatments. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1944) 81: 47, 49. 82 N85

5985 HOLLAR, V. E., and HABER, E. S. Factors related to stem-end shrink of the sweet potato. Amer. Soc. Hort. Sci. Proc. 46: 359-369. Aug. 1945. 81 Sol2

Decay causing loss in storage; no organism given.

5986 IMPERIAL BUREAU OF HORTICULTURE AND PLANTATION CROPS. Spring frost damage in orchards and its possible prevention. Imp. Bur. Hort. and Plantation Crops. Tech. Commun. 15, 22 p. East Malling, Kent, 1945. 84 Im72

5987 JOHNSON, F. West Washington peach diseases and their control. Wash. Packer 11(4): 5. Nov. 1945. 389.8 W27

5988 KENT, G. C. The status of orchard diseases in Iowa. Iowa State Hort. Soc. Trans. (1944) 79: 103-107. 81 Io9

5989 KIELY, T. B. Diseases of citrus; spray programmes for coastal growers. Agr. Gaz. N. S. Wales 56: 391-394. Sept. 1, 1945. 23 N472

5990 KITTINGER, C. E. Winter-killing of trees. Mont. Farmer 33(6, 1. e. 7): 5. Dec. 1, 1945. 6 M764

5991 KOBEL, F. Spätfrostschäden in obstanlagen und die möglichkeit ihrer verhütung. Schweiz. Z. f. Obst- u. Weinbau 54: 407-410, 425-428. Nov. 10, 24, 1945. 80 Sch9

5992 KREUTZER, W. A. Potato diseases of the current season and the influence of the weather. Spud Notes 3(6): 2-3, processed. Aug./Oct. 1945. 75.8 Sp9

5993 LABAT, C. Ou en est la question du court-noué? Inform. Maroc. (n. s.) 14(289): 1, 2. Nov. 3, 1945. 281.8 In3

In Algeria.

5994 LARGE, J. R. Tung diseases 1945. Amer. Tung Oil Assoc. Proc. 1945: 31-37, processed. Ref. 77.9 Am32

5995 LEACH, J. G. Insect transmission of potato diseases. Iowa State Hort. Soc. Trans. (1944) 79: 335-336. 81 Io9

Discussion, p. 336-337.

Includes bacterial and virus diseases.

5996 MEYER, E. R. La lepra explosiva de los naranjos; necesidad de combatir la enfermedad. Corp. Fruticola Argentina. Rev. Ofic. 11(129): 13-15. Sept. 30, 1945. 83 C81

5997 MIEGE, E. Le traitement des semences de céréales. Inform. Maroc. (n. s.) 14(288): 1. Oct. 15, 1945. 281.8 In3

5998 PARKS, T. H. Toeing the mark in a difficult year. Amer. Fruit Grower 65(12): 13, 23-25. Dec. 1945. 80 G85

Poor quality of 1945 Ohio apple crop due to frost, apple scab, and insect damage.

5999 PORTE, W. S., and WALKER, H. B. A cross between Lycopersicon esculentum and disease-resistant L. peruvianum. Phytopathology 35: 931-933. Nov. 1945. 464.8 P56

6000 POWELL, D. Frogeye leaf spot, Physalospora obtusa, versus spray injury, 1944 results. Ill. State Hort. Soc. Trans. (1944) 78: 305-312. 1945. 81 IL6

Apples.

6001 RESEARCH and the farmer. VII. Plant protection. North. Ireland. Min. Agr. Monthly Rpt. 20: 194-199. Nov. 1945. 256.13 Ag82M

6002 SCHALL, L. A., and KREUTZER, W. A. Storage diseases of potatoes and control considerations. Spud Notes 3(7): 1-2, processed. Nov. 1945. 75.8 Sp9

6003 SCHELLENBERG, A. Frostschaaden und frostschutz im weinbau. Schweiz. Z. für Obst- u. Weinbau 54: 374-382. Oct. 13, 1945. 80 Sch9

6004 SCHROEDER, W. T. Some pea diseases quite general during 1945 season. Farm Res. [N. Y. State Sta.] 11(4): 14-15. Oct. 1, 1945. 100 M48A

6005 SOBRE la podredumbre de las raicillas de los citros. Chacra 15(180): 30-31. Oct. 1945. 9 C34

Associated with presence of Tylenchulus semipene-trans.

6006 SWARTWOUT, H. G. Arsenical injury and some new fungicides. Iowa State Hort. Soc. Trans. (1944) 79: 78-89. 81 Io9

6007 TUNSTALL, A. C. Mycological branch report for 1944. Indian Tea Assoc. Sci. Dept. Ann. Rpt. 1944: 5-7. 68.19 T56

6008 TURRELL, F. M. Effect of sulphur gases in industrial smoke on vegetation. Citrus Leaves 25(11): 6-7. Nov. 1945. 80 C492

Also in Calif. Citrograph 31(2): 40-41. Dec. 1945. 80 C125

6009 VIENNOT-BOURGIN, G., and BRUN, J. Les pourritures des pommes et des poires sur le marché français. Grignon École Natl. d'Agr. Ann. (ser. 3) 4: 181-215. 1943/44. 105.3 G872A

6010 VINE, R. A national health service for the plant life of New Zealand. New Zeal. Farmer Weekly 66(15): 12-13. Sept. 20, 1945. 23 M484

The Plant Diseases Division, Plant Research Bureau, Department of Science and Industrial Research.

6011 W., S. R. Cankered apple trees can be cured. Pop. Gard. 47: 307. Nov. 24, 1945. 80 G1622

6012 WESTER, H. V. Susceptibility of Yoshino, Akebono and Benihigan flowering cherry trees to spray oil injury. Amer. Soc. Hort. Sci. Proc. 46: 412-422. Aug. 1945. 81 Sol2

6013 WILLIAMS, T. A. Plan now for orchard mouse control. East. Fruit Grower 8(9): 30-31. Nov. 1945. 80 Ea73

6014 WINKLER, H. Potatisens upptagning och lagring. Lantmennen 29: 801-802. Sept. 8, 1945. 11 L234

Chiefly on control of storage diseases of potatoes.

6015 WINTER, J. D. Cold storage of Minnesota grown apples. Minn. Hort. 73: 142. Nov. 1945. 81 M66

Resistance to rots and scalds.

6016 WINTER, J. D. Cold storage studies with Minnesota-grown apples. Amer. Soc. Hort. Sci. Proc. 46: 143-144. Aug. 1945. 81 So12

Includes data on severity of scald at various degrees of temperature and length of storage period.

#### Diseases Caused by Fungi

6017 B., D. Un problème irrésolu. La maladie de l'orme. Terre de Chez Nous 18(9): 24. Nov. 28, 1945. 7 T27

Dieback of elm.

6018 BAZÁN DE SEGURA, C. Una nueva enfermedad [Phoma sp.] del haba (*Vicia faba* L.) en el Perú. Agronomía [Lima] 10(42): 49-52. July/Aug. 1945. 9.8 Ag83

6019 BERTELLI, J. C. La peronóspora de la papa (*Phytophthora infestans*). Uruguay. Min. de Ganad. y Agr. B. Inform. 2:385. Oct. 4, 1945. 9.9 G15B

6020 CHRISTENSEN, C. M. Moulds in your air. Minn. Farm and Home Sci. [Minn. Sta.] 3(1): 4-5. Oct. 15, 1945. 100 M668

Molds causing plant diseases.

6021 LA CIENCIA ha triunfado sobre el "oidium." Campesino [Santiago] 77: 513. Oct. 1945. 9.3 So12

Amcyetol for powdery mildew of grape.

6022 D., R. H., and C., E. S. Black por [Helminthosporium papulosum] an apple fruit and bark disease. N. J. Agr. Expt. Sta. Plant Dis. Notes 22: 37-40, processed. Oct. 1945. 464.9 N46P

6023 DIMOCK, A. W. Gladiolus yellows [caused by *Fusarium* sp.]. Florists' Rev. 97(2501): 46. Nov. 1, 1945. 80 W41

6024 GAUDINEAU, M., and HUGER, R. Lutte contre la cloque [Exoascus deformans, du pêcher et économie du cuivre. Prog. Agr. et Vitic. 61: 103-105. Mar. 19/26, 1944. 14 P94

6025 GORTER, G. J. M. Control measures against "take-all" [of wheat]. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 170, 2 p. Pretoria, 1945. 24 So82Pa

6026 HAENSELER, C. M. Control of barley smuts. N. J. Agr. Expt. Sta. Plant Dis. Notes 22: 29-32, processed. Aug. 1945. 464.9 N46P

6027 HOOKER, W. J. Susceptibility of certain named varieties of potatoes to late blight. Iowa State Hort. Soc. Trans. (1944) 79: 381-383. 81 Io9

6028 LOBIT, P. Agriculteurs traitez vos semences de blé contre la carie. B. Agr. des Hautes-Pyrénées, No. 404, p. 81-85. Sept. 1944. 14 B875

6029 LONG, W. H. Polyporus farlowii and its rot. Lloydia 8: 231-237. Sept. 1945. 442.8 L77

Heart rot in shade trees.

6030 MCKAY, R., and LOUGHANE, J. B. Observations on *Gibberella saubinetii* (Mont.) Sacc. on cereals in Ireland in 1943 and 1944. Roy. Dublin Soc. Sci. Proc. (n. s.) 24: 9-18. Sept. 1945. 501 D85

6031 MOREL, G. M. Le développement du mildiou [Plasmopara viticola], sur les tissus de vigne cultivés in vitro. Paris. Acad. des Sci. Compt. Rend. 218: 50-52. Jan. 1944. 505 P21

6032 MR., A. Le charbon des céréales. Petit Casablançais 30(1236): 6, 3. Nov. 3, 1945. 240.8 P44

6033 NIEDERHAUSER, J. S. Gray mold [*Botrytis cinerea*] of lettuce controlled with thiosan. Farm Res. [N. Y. State Sta.] 11(4): 10. Oct. 1, 1945. 100 N48A

6034 OSORIO, J. M. La costra o roña [Sphaceloma fawcettii] de los cítricos. Control de Plagas 8: 86, 88-90. Nov. 1945. 464.8 C76

6035 SANNAC, G. Pourrons-nous combattre le mildiou de la vigne en 1944? B. Agr. des Hautes-Pyrénées, No. 401, p. 24-28. Mar./Apr. 1944. 14 B875

6036 SANNAC, G. Viticulteurs - Arboriculteurs! Abonnez-vous au service des avertissements agricoles de la région de Toulouse. B. Agr. des Hautes-Pyrénées, No. 401, p. 39. Mar./Apr. 1944. 14 B875

A bulletin service on downy mildew.

6037 SCHAEFER, E. E. Easy to recognise: fungus disease in deciduous fruit. Farmer [Pietermaritzburg] 74(38): 13. Sept. 21, 1945. 24 F227

6038 SIBILLA, C. Due razze fisiologiche di *Puccinia triticina* Erikss et Henn. del Campo Sperimentale di Filippiomboli. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: 99-103. 1944. 16 En82

6039 TOBLER BOTTINI, H., and BERTA, J. A. Ensayo del caldo bordeles contra la peronospora de la papa (*Phytophthora infestans* Bary). Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 401. Oct. 18, 1945. 9.9 G15B

6040 VOLOSKY YADELIN, D. Identificación de razas fisiológicas del *Puccinia graminis* tritici y *P. triticina*, algunos estudios efectuados en Chile. Chile. Dir. Gen. de Agr. Agr. Tec. 5: 70-78. Jan./June 1945. 464.9 C432B

6041 WAGER, V. A. Black spot [*Phoma citricarpa*] in oranges. Citrus Grower, No. 140, p. 1-3. Sept. 28, 1945. 80 C495

6042 WAGER, V. A. Swartvlek [*Phoma citricarpa*] by lemons. Citrus Grower, No. 141, p. 7-9. Oct. 29, 1945. 80 C495

#### Diseases Caused by Bacteria

6043 ALLINGTON, W. B. Wildfire disease [*Pseudomonas tabaci*] of soybeans. Phytopathology 35: 857-861. Nov. 1945. 464.8 P56

6044 HAENSELER, C. M. Bacterial leaf spot of pepper. N. J. Agr. Expt. Sta. Plant Dis. Notes 22: 33-36, processed. Sept. 1945. 464.9 N46P

6045 OSTERWALDER, A. Von einer noch wenig bekannten bakterienkrankheit [*Bacterium* sp.] an rebbältern. Schweiz. Z. für Obst- u. Weinbau 53: 282-284. Aug. 5, 1944. 80 Sch9

6046 QUEENSLAND. BUREAU OF SUGAR EXPERIMENT STATIONS. Gummy disease [*Bacterium vasculorum*] on sugarcane, in Mossman. Austral. Sugar. J. 37: 251, 253. Sept. 15, 1945. 65.8 Au7

6047 RAIN, hail, lemons and black pit. By I. C. Bigg. Calif. Citrog. 31(2): 62-63. Dec. 1945. 80 C125

Pseudonym of Dr. Howard S. Fawcett.

Black pit caused by *Phytophthora syringae*.

#### Viruses and Virus Diseases

6048 BALD, J. G., and OLDAKER, C. E. W. Reactions of Tasmanian Bismark and Brownell potatoes to the commoner virus diseases. Austral. Council Sci. and Indus. Res. J. 18: 209-218. Aug. 1945. 514 Au72J

6049 CROSBY, J. New scaly bark remedy cuts cost. Calif. Cult. 92: 625, 645. Nov. 24, 1945. 6 C12

Report of experiments of H. S. Fawcett and M. B. Rounds on the use of DN-75 (dinitro-o-cyclohexylphenol) for control of psorosis of citrus.

6050 HUTTON, E. M. The relationship between necrosis and resistance to virus Y in the potato. 2. Some genetical aspects. Austral. Council Sci. and Indus. Res. J. 18: 219-224. Aug. 1945. 514 Au72J



6051 KING, F. C. Yellow dwarf virus of shallots. Gard. Chron. 118: 180-181. Oct. 27, 1945. 80 G162

6052 KUNKEL, L. O. Studies on cranberry false blossom. Phytopathology 35: 805-821. Oct. 1945. Ref. 464.8 P56

Methods of transmission of the virus studied.

6053 LEACH, J. G. Purple top wilt of potatoes and its significance in seed certification. Iowa State Hort. Soc. Trans. (1944) 79: 302-307. 81 I09

Discussion, p. 307-308.

Disease caused by the aster-yellows virus.

6054 PRICE, W. C. The pH stability of southern bean mosaic virus. Arch. Biochem. 8: 13-19. Oct. 1945. 381 Ar2

6055 RICHMOND, R. G. Status of peach mosaic project. Calif. Dept. Agr. Spec. P. 209, p. 49-52. 1945. 2 C1215

6056 VAN DER PLANK, J. E., and ANDERSSON, E. E. Krommek disease of tobacco: a mathematical solution to a problem of disease. Union So. Africa. Dept. Agr. and Forestry. Sci. B. 240, 6 p. Pretoria, 1945. 24 So845

#### Diseases Caused by Nematodes.

6057 MCBETH, C. W. Tests on the susceptibility and resistance of several southern grasses to the root-knot nematode, *Heterodera marioni*. Helminthol. Soc. Wash. Proc. 12: 41-44. July 1945. 436.9 H36

6058 STEINER, G. Helicotylenchus, a new genus of plant-parasitic nematodes and its relationship to *Rotylenchus* Filipjev. Helminthol. Soc. Wash. Proc. 12: 34-38. July 1945. 436.9 H36

*H. nannus* first observed on roots of lima beans.

6059 THORNE, G. *Ditylenchus destructor*, n. sp., the potato rot nematode, and *Ditylenchus dipsaci* (Kühn, 1857) Filipjev, 1936, the teasel nematode (Nematoda: Tylenchidae). Helminthol. Soc. Wash. Proc. 12: 27-34. July 1945. Ref. 436.9 H36

#### ECOLOGY

6060 ALLRED, B. W. Some conditions and influences pertaining to the native forage crop of the northern mixed prairie. Amer. Soc. Agron. J. 37: 876-887. Nov. 1945. Ref. 4 Am34P

6061 BEARD, J. S. Some ecological work in the Caribbean. Empire Forestry J. 24(1): 40-46. July 1945. 99.8 Em72

6062 GENKEL', P. A., and SHAYKHOV, A. A. Ekologicheskoe znachenie vodnogo rezhima nekotorykh galofitov (The ecologic significance of the water regime of certain halophytes). Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 154-166. 1945. 451 R923

References, p. 154-155.

English summary.

6063 GORZDOV, B. V. O Brienskoi botanicheskoi "anomali" (On the Bryansk botanical "anomaly"). Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 178-184. 1945. 451 R923

Study in forest ecology in western U. S. S. R.

6064 GUINCHET, M., and DROUINEAU, G. Notes sur la végétation et le sol aux environs d'Antibes (Alpes-Maritimes). Montpellier U. Inst. Bot. Rec. des Trav. 1: 22-40. 1944. Ref. 451 M766

6065 HARRI, H. Die waldgeschichte des Balderseegebietes und ihre verknüpfung mit den prähistorischen siedlungen. Geobot. Forschungsinst. Rübel, Zürich. Ber. 1944: 113-140. 1945. 451 Z83Be

6066 LÜDI, W. Besiedlung und vegetationsentwicklung auf den jungen seitenmoränen des grossen Aletschgletschers. Geobot. Forschungsinst. Rübel, Zürich. Ber. 1944: 35-112. 1945. 451 Z83Be

6067 MARSDEN-JONES, E. M., and TURRILL, W. B. Sixth report of the transplant experiment of the British Ecological Society at Potterne, Wiltshire. J. Ecol. 33: 57-81. Oct. 1945. 450 J829

Various plants tested on five types of soil.

6068 MUIR, E. Wimmera plants under drought. Victorian Nat. 62: 104. Oct. 1945. 410 V56

Wimmera region in northwestern Victoria, Australia.

6069 OLIVA, A. Direttive tecniche dell'agricoltura montana; realizzazioni e conclusioni di sperimentazione agraria montana nel decennio 1932-1941. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: 1-25. 1939/1943, pub. 1944. 16 En82

An ecological study.

6070 RABOTNOV, T. A. Biologicheskie nabludeniya na subal'piiskikh lugakh Severnogo Kavkaza (Biologic observations on subalpine meadows of northern Caucasus). Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 167-177. 1945. 451 R923

English summary.

6071 WEBB, D. A., and HART, A. V. Contributions towards an understanding of the calcicole and calcifuge habit in some Irish plants. Roy. Dublin Soc. Sci. Proc. (n. s.) 24: 19-28. Sept. 1945. 501 D85

Calcicole plants grow in soils that contain calcium carbonate; calcifuge plants in soils virtually free from calcium carbonate.

#### MORPHOLOGY, ANATOMY, AND CYTOLOGY

6072 EMBERGER, L. Observations sur la méiométrie de *Colchicum autumnale* L. et sur l'origine de la corolle et des fleurs à androcée épitépale. Montpellier U. Inst. Bot. Rec. des Trav. 1: 5-15. 1944. 451 M766

6073 GANGULY, J. K. A note on the secondary association of chromosomes and the basic number in *Corchorus capsularis* Willd. Sci. and Cult. 11: 272. Nov. 1945. 475 Sci24

6074 GAUTHERET, R. Remarques sur la formation des méristèmes secondaires dans les tissus végétaux cultivés in vitro. Paris. Acad. des Sci. Compt. Rend. 220: 54-56. Jan. 3, 1945. 505 P21

6075 GUIDI, J. La valeur morphologique du sporange des Filicales. Montpellier U. Inst. Bot. Rec. des Trav. 1: 16-21. 1944. 451 M766

6076 RAGERUP, O. Basidiens cytologi hos *Tremellodon gelatinosum* (Scop.) Pers. (The cytology of the basidium of *Tremellodon gelatinosum* (Scop.) Pers.). Friesia 3: 46-51. Feb. 1944. Ref. 450 F91

English summary.

6077 LEMESLE, R. De la nature des produits accumulés à l'intérieur des cellules de la gaine endodermique dans les feuilles des espèces du genre *Aulax* Berg. Paris. Acad. des Sci. Compt. Rend. 218: 167-169. Jan. 1944. 505 P21

6078 MAKAROV, P. V. Demonstration of paraneurotic cell alterations on permanent microscopic preparations; experiments on *Allium cepa* and *A. sativum*. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 134-137. 1945. 511 M444

6079 MEISEL', M. N., and KONDRAT'EVA, T. M. Khondriosomnyi apparat v kletkakh nizshikh rastitel'skikh organizmov (The chondriosome apparatus in the cells of lower plant organisms). Mikrobiologiya 14: 244-247. 1945. 448.3 M582

6080 NOEL, C. Recherches anatomiques sur le début de tumeurs corticales obtenues par inoculations superficielles de *Phytophthora tumefaciens* sur des tiges de *Pelargonium zonale*. Paris. Acad. des Sci. Compt. Rend. 218: 205-207. Jan. 1944. 505 P21

6081 PITOT, A. Contribution à l'étude anatomique de l'appareil radicaire des Lycopodes. Montpellier U. Inst. Bot. Rec. des Trav. 1: 41-55. 1944. 451 M766

6082 SARTORY, A., SARTORY, R., and WURTZ, B. Sur quelques variations morphologiques provoquées chez *Sterigmatocystis nigra* Cramer 1859. Paris. Acad. des Sci. Compt. Rend. 220: 56-57. Jan. 3, 1945. 505 P21

6083 SAVASTANO, J. Biología floral del olivo. Corp. Frutícola Argentina. Rev. Ofic. 11(129): 25-26, 28. Sept. 30, 1945. 83 C81

6084 SIMONDS, A. O. Potato tuber structure in relation to its diseases. Spud Notes 3(6): 1-2, processed. Aug./Oct. 1945. 75.8 Sp9

6085 SOULEGES, R. Embryogénie des ombellifères; développement de l'embryon chez l'*Apium inundatum* Reichb. Paris. Acad. des Sci. Compt. Rend. 220: 128-131. Jan. 22, 1945. 505 P21

6086 ZIFLINSKY, Q. Fasciation in horticultural plants with special reference to the tomato. Amer. Soc. Hort. Sci. Proc. 46: 263-268. Aug. 1945. 81 Sol2

#### GENETICS

6087 BRIMHALL, B., SPRAGUE, G. F., and SASS, J. E. A new waxy allele in corn and its effect on the properties of the endosperm starch. Amer. Soc. Agron. J. 37: 937-944. Nov. 1945. Ref. 4 Am34P

6088 DUSSEAU, A. Les effets de la tétraploidie chez le sorgho sucrier. Paris. Acad. des Sci. Compt. Rend. 220: 96-97. Jan. 8, 1945. 505 P21

6089 DUSSEAU, A., FARDY, A., and HITIER, H. Nicotiana polyploides: espèces tétraploides et hybrides interspécifiques amphidiploides obtenus par l'action de la colchicine. Paris. Acad. des Sci. Compt. Rend. 218: 124-126. Jan. 1944. 505 P21

6090 HITIER, H., and FARDY, A. Descendance d'espèces tétraploides et d'hybrides interspécifiques amphidiploides du genre Nicotiana. Paris. Acad. des Sci. Compt. Rend. 220: 120-122. Jan. 15, 1945. 505 P21

6091 HOLLEY, W. D. Inheritance in Begonia semperflorens. Amer. Soc. Hort. Sci. Proc. 46: 389-396. Aug. 1945. 81 Sol2

6092 KHISHEN, A. A., and BRIGGS, F. N. Inheritance of resistance to bunt (*Tilletia caries*) in hybrids with Turkey wheat selections C. I. 10015 and 10016. J. Agr. Res. 71: 403-413. Nov. 1, 1945. 1 Ag84J

6093 MANWARING, W. H. Hybrid yeasts. Calif. and West. Med. 63: 158. Oct. 1945. 448.8 C12

6094 MEHLQUIST, G. A. L. Inheritance in the carnation. V. Tetraploid carnations from interspecific hybridization. Amer. Soc. Hort. Sci. Proc. 46: 397-406. Aug. 1945. 81 Sol2

6095 POSNETTE, A. P. Inter-specific pollination in Theobroma. I. Trop. Agr. [Trinidad] 22: 188-190. Oct. 1945. 26 T754

6096 QUINBY, J. R., and KAPER, R. E. The inheritance of three genes that influence time of floral initiation and maturity date in milo [*Sorghum vulgare subglabrescens*]. Amer. Soc. Agron. J. 37: 916-936. Nov. 1945. Ref. 4 Am34P

6097 TITKOV, A. Interesting discoveries by a Soviet geneticist [Lysenko]. Agr. Com. Amer.-Soviet Friendship. Release, No. 49, p. 1-2, processed. Nov. 15, 1945. 20 Ag89

#### PHYSIOLOGY

6098 ARTSCHWAGER, E. Effects of DDT, sulphur and Lethane dusts on germination of sugar-beet and onion pollens. Science 102: 482. Nov. 9, 1945. 470 Sci2

6099 BAROOAH, S. R. The effects of different photo periods on the growth of *Solanum tuberosum*. Allahabad Farmer 19: 68-74. May 1945. 22 AL5

6100 BATJER, L. P., MOON, H. H., and KINMAN, C. F. Apple thinning with caustic sprays applied during the blossom period. Amer. Soc. Hort. Sci. Proc. 46: 94-101. Aug. 1945. 81 Sol2

6101 BATJER, L. P., and MOON, H. H. Effect of naphthaleneacetic acid spray on maturity of apples. Amer. Soc. Hort. Sci. Proc. 46: 113-117. Aug. 1945. 81 Sol2

6102 BAZIN, S. Influence des anions sur la pénétration de diverses substances basiques dans la cellule végétale. Paris. Acad. des Sci. Compt. Rend. 220: 183-185. Jan. 29, 1945. 505 P21  
Experiments with *Elodea canadensis* and Chara.

6103 BLOKHINTSEVA, I. I. Izmeneniâ kauchukovykh chastits v latekakh krym-sagzya i kok-sagzya v protsesse vegetatsii (The change of rubber particles in the latex of *Taraxacum hybernum* Stev. (T. megalorrhizon H. Maz.) and *Taraxacum kok-saghyz* Rod. during the period of vegetation). Akad. Nauk. S. S. S. R. Izv. Ser. Biol. 1944: 193-204. 511 Sa2B  
English summary.

6104 BOYNTON, D. Potassium deficiency in a New York grape vineyard. Amer. Soc. Hort. Sci. Proc. 46: 246-248. Aug. 1945. 81 Sol2  
References.

6105 BOYNTON, D. Studies on control of magnesium deficiency in New York apple orchards. Amer. Soc. Hort. Sci. Proc. 46: 1-5. Aug. 1945. 81 Sol2

6106 BROWN, R. D., DUNN, R., and ALBAN, E. K. Growth and yields of cabbage, sprouting broccoli, and tomato plants hardened by chemicals in nutrient solution and later grown at different levels of nitrogen, phosphorus, and potassium. Amer. Soc. Hort. Sci. Proc. 46: 305-308. Aug. 1945. 81 Sol2

6107 CAJLACHJAN, M. CH. Flowering in different plant species as a response to nitrogenous food. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 146-149. 1945. 511 P444

6108 CAJLACHJAN, M. CH. Photoperiodism of individual parts of the leaf, its halves. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 220-224. 1945. 511 P444

6109 CAMERON, S. H., and SCHROEDER, C. A. Cambial activity and starch cycle in bearing orange trees. Amer. Soc. Hort. Sci. Proc. 46: 55-59. Aug. 1945. 81 Sol2

6110 CAMERON, S. H., and COMPTON, O. C. Nitrogen in bearing orange trees. Amer. Soc. Hort. Sci. Proc. 46: 60-68. Aug. 1945. 81 Sol2

6111 CARLSON, R. F., and TUKEY, H. B. Differences in after-ripening requirements of several sources and varieties of peach seed. Amer. Soc. Hort. Sci. Proc. 46: 199-202. Aug. 1945. 81 Sol2

6112 CHODAT, F., and FLEURY, C. Action de la sulfo-urée sur le métabolisme et le mécanisme de l'*Aspergillus niger* van Tiegh. Soc. de Phys. et d'Hist. Nat., Genève. Compt. Rend. 61: 94-99. Apr./July 1944. 508 G28C

6113 CLAUSEN, R. T. Early flowering of plants in 1945. Torreya 45: 66-67. Sept. 1945. 450 T63

6114 CUMMINGS, M. B. Browning of evergreens. Amer. Nurseryman 82(10): 8, 38. Nov. 15, 1945. 80 Am371

Control of physiological condition due to lack of moisture.

6115 DAVID, R. Essais de printanisation de diverses espèces de végétaux cultivés. Paris. Acad. des Sci. Compt. Rend. 220: 118-120. Jan. 15, 1945. 505 P21

6116 DEMIDENKO, T. T. Critical periods in the uptake of potassium by sugar-beet. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 215-217. 1945. 511 P444

6117 DODGE, J. C. Bolting or premature seeding in some truck crops. Wash. Packer 11(4): 6-8. Nov. 1945. 389.8 W27



- 6118 DOYLE, J. Developmental lines in pollination mechanisms in the Coniferales. Roy. Dublin Soc. Sci. Proc. (n. s.) 24: 43-62. Sept. 1945. 501 D85
- 6119 EVANS, M., and JOHNSON, I. J. The comparative rates of growth of tetraploid and diploid sweetclover, *Melilotus alba* Desr. Amer. Soc. Agron. J. 37: 867-875. Nov. 1945. Ref. 4 Am34P
- 6120 FINCH, A. H., JONES, W. W., and VAN HORN, C. W. The influence of nitrogen nutrition upon the ascorbic acid content of several vegetable crops. Amer. Soc. Hort. Sci. Proc. 46: 314-318. Aug. 1945. 81 Sol2
- 6121 FRITZSCHE, R. Die blüh- und befruchtungsverhältnisse der walnuss und der haselnuss. Schweiz. Z. für Obst- u. Weinbau 54: 394-397. Oct. 27, 1945. 80 Sch9
- 6122 FURR, J. R., HEECE, P. C., and HRNICIAR, G. Nitrogen absorption of ringed orange trees in sand culture. Amer. Soc. Hort. Sci. Proc. 46: 51-54. Aug. 1945. 81 Sol2
- 6123 GARDNER, V. R. Thinning apples by means of a new oil-wax emulsion applied as a spray at blossoming time. Ill. State Hort. Soc. Trans. (1944) 78: 337-339. 1945. 81 IL6
- 6124 GILBERT, S. G., and others. The copper-nitrogen balance in the tung tree. Amer. Tung Oil Assoc. Proc. 1945: 55-59, processed. 77.9 Am32  
F. S. Lagasse, G. T. Sims, J. Hamilton, and A. Mason, joint authors.
- 6125 HANSEN, E. Seasonal variations in the mineral and vitamin content of certain green vegetable crops. Amer. Soc. Hort. Sci. Proc. 46: 299-304. Aug. 1945. 81 Sol2
- 6126 HARLEY, C. P., and LINDNER, R. C. Observed responses of apple and pear trees to some irrigation waters of north central Washington. Amer. Soc. Hort. Sci. Proc. 46: 35-44. Aug. 1945. 81 Sol2
- 6127 HIBBARD, A., and FLYNN, L. M. Effect of maturity on the vitamin content of green snap beans. Amer. Soc. Hort. Sci. Proc. 46: 350-354. Aug. 1945. 81 Sol2
- Proportion of vitamins in relation to time of harvest.
- 6128 HOLUBINSKY, I. N. Variation in the content of bitter principle in the fruits of hop, as induced by pre-treatment of cuttings with salt solutions. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 140-141. 1945. 511 P444
- 6129 HOWLETT, F. S. Pollination and fruit setting of the apple tree in the North Central States. Ill. State Hort. Soc. Trans. (1944) 78: 325-336. 1945. 81 IL6
- 6130 KRASIL'NIKOV, N. A. Privivka novykh evolistv virulentnosti kluben'kovym i nekotorym ne-kluben'kovym bakterijam (Engrafting of new virulence characters to nodule and some other bacteria). Mikrobiologija 14: 230-236. 1945. 448.3 M582  
English summary.
- 6131 KRAUS, J. E. What and for what is plant hormone? Idaho Farmer 63: 677. Dec. 20, 1945. 6 G282
- 6132 LOTT, R. V. The terminology of fruit maturation and ripening. Amer. Soc. Hort. Sci. Proc. 46: 166-172. Aug. 1945. 81 Sol2
- 6133 MANSKAIA, S. M., and POPOV, G. I. K voprosu o povyshenii kauchukonosnoti kok-sagzya (Contribution to the problem of increasing rubber content in the kok-saghyz). Akad. Nauk S. S. S. R. Izv. Ser. Biol. 1944: 187-192. 511 Sa2B  
References.  
English summary.
- 6134 MARTH, P. C., BATJER, L. P., and MOON, H. H. Relative effectiveness of sprays, dusts and aerosols of naphthalene-acetic acid on harvest drop. Amer. Soc. Hort. Sci. Proc. 46: 109-112. Aug. 1945. 81 Sol2
- 6135 MORK, E. Om bjørkefruktens bygning, modning og spiring (Über bau, reifen und keimen der birkenfrucht). Norske Skogforsøksv. Meddel. 8: 423-471. 1944. Ref. 99.9 N833  
German summary.
- 6136 NICHIPOROVICH, A. A. Lactiferous system as one regulating the course and direction of biochemical processes in plants. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 142-145. 1945. 511 P444  
References.  
Role of lactiferous vessels in the physiology of rubber plants.
- 6137 OKUNZOV, M. M. Pb content in different parts of the caryopsis of spring-wheat and in the plant as a whole. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 113-115. 1945. 511 P444  
Effect of lead and its penetration into the plant.
- 6138 OLIVA, A., and ROSSI, A. M. Il trattamento stimolante delle cariossidi di frumento con l'estratto del colchico autunnale. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: 125-145. 1939/1943, pub. 1944. 16 En82
- 6139 PAL, R. K., and BOSE, N. M. Variations in the composition of crops grown in different areas under varying conditions of soil and climate. Ann. Biochem. and Exot. Med. 5: 25-30. 1945. 448.8 An73
- 6140 PETERBURSKIY, A. Kontaknyy obmen i ego rol' pri usvoenii rastenijami kal'ciia i magniia iz tverdogo fazy (The contact interchange and its role in the assimilation by the plants of calcium and magnesium out of the solid phase). Akad. Nauk S. S. S. R. Izv. Ser. Biol. 1944: 205-232. 511 Sa2B  
English summary.
- 6141 PIENIAZEK, S. A., and CHRISTOPHER, E. P. Effect of pre-storage treatments on the incidence of scald of Rhode Island Greening apples. Amer. Soc. Hort. Sci. Proc. 46: 123-130. Aug. 1945. 81 Sol2
- 6142 PIENIAZEK, S. A., and CHRISTOPHER, E. P. The relation of the time factor to the influence of concentration of wax emulsion on the reduction of the rate of transpiration of apples. Amer. Soc. Hort. Sci. Proc. 46: 119-122. Aug. 1945. 81 Sol2
- 6143 POSNETTE, A. F. Incompatibility in Amazon cacao. Trop. Agr. [Trinidad] 22: 184-187. Oct. 1945. 26 T754
- 6144 PRAT, H., and CALVET, E. Sur le degagement de chaleur manifesté au cours des premiers stades de l'hydratation des graines. Paris. Acad. des Sci. Compt. Rend. 220: 117-118. Jan. 15, 1945. 505 P21
- 6145 PRIOR, S. Future forests in capsule. Frontiers 10: 40-41. Dec. 1945. 410 F92  
Seed storage and viability.
- 6146 REECE, P. C. Fruit set in the sweet orange in relation to flowering habit. Amer. Soc. Hort. Sci. Proc. 46: 81-86. Aug. 1945. 81 Sol2
- 6147 RICHTER, A. A., and KRASNOSEL'SKAIA-MAKSIMOVA, T. A. A contribution to the knowledge of the breaking of winter dormancy in buds of woody plants. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 218-219. 1945. 511 P444
- 6148 ROBERTS, R. H. Blossom structure and setting of Delicious and other apple varieties. Amer. Soc. Hort. Sci. Proc. 46: 87-90. Aug. 1945. 81 Sol2
- 6149 ROSSI, A. M. Ricerche sperimentali sul potere germinativo dei frumenti maturati in avverse condizioni stagionali. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: 55-80. 1939/43, pub. 1944. 16 En82
- 6150 S., C. Sauerstoffdiffusion als begrenzender faktor der atmung von pflanzenwurzeln. Schweiz. Chem. Ztg. 28: 353-354. Oct. 1945. 385 T22
- 6151 SEN GUPTA, J. C., and SEN, N. K. Effect of vernalization and photoperiod on late sown Aman paddy - II. Sci. and Cult. 11: 273-274. Nov. 1945. 475 Sci24

- 6152 SIBILLA, C. Osservazioni sulla resistenza alle ruggini in grani coltivati nella montagna toscana. Ente Consoziale Interprov. Toscano per le Sementi. Ann. 3: 43-53. 1944. 16 En82
- 6153 SNYDER, E., and HARMON, F. N. Temperature and maturity in relation to raisin production. Amer. Soc. Hort. Sci. Proc. 46: 249-252. Aug. 1945. 81 Sol2
- 6154 SOUTHWICK, L., and SMITH, C. T. Further data on correcting magnesium deficiency in apple orchards. Amer. Soc. Hort. Sci. Proc. 46: 6-12. Aug. 1945. 81 Sol2
- 6155 SOUTHWICK, L. Magnesium deficiency of apple trees. Maine State Pomol. Soc. Ann. Rpt. 1944: 37-44. 81 M28
- 6156 SOUTHWICK, L. Some data on magnesium deficiency and its correction. Maine State Pomol. Soc. Ann. Rpt. 1944: 45-46. 81 M28  
Experiments with apples.
- 6157 SOUTHWICK, R. W. Pressure injection of iron sulfate into citrus trees. Amer. Soc. Hort. Sci. Proc. 46: 27-31. Aug. 1945. 81 Sol2  
Treatment of chlorosis.
- 6158 STOUTMYER, V. T., and O'ROURKE, F. L. Rooting of cuttings from plants sprayed with growth regulating substances. Amer. Soc. Hort. Sci. Proc. 46: 407-411. Aug. 1945. 81 Sol2
- 6159 TORSSSELL, K. R8dkl8verns befrukningsf8rh8llanden. F8rs8k och Forskning 2: 84-87. June 1945. 11 F77  
Pollination of red clover.
- 6160 TUCKEY, H. B., and HAMMER, C. L. Retardation of pre-harvest drop of apples through aerosol application of growth-regulating substances. Amer. Soc. Hort. Sci. Proc. 46: 102-108. Aug. 1945. 81 Sol2
- 6161 TUTTLE, A. P. Chemical elements required by plants. Mass. State Col. Ext. Fruit Notes, Nov. 26, 1945, p. 5, processed. 275.29 M381Fr
- 6162 VARMA, S. S. R. Pollination of plums in Patiala State Hill orchards. Punjab Fruit J. 9: 134-136. July 1945. 80 P962
- 6163 VORONIN, N. S. K voprosu ob evoliutsii peritsikla v korniakh rastenii (To the question of the evolution of the pericycle in the roots of plants) Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 147-153. 1945. 451 R923  
English summary.
- 6164 WENT, F. W. How nature prepares [plants] for winter. Sunset 95(5): 84-85. Nov. 1945. 110 Su7
- 6165 WHITE, D. G. A comparison of the number of protoxylem strands with the rotenone content of derris roots. Amer. Soc. Hort. Sci. Proc. 46: 370-374. Aug. 1945. 81 Sol2
- 6166 WILDEMAN, E. DE. Les latex des euphorbiacées. Inst. Roy. Colon. Belge. Sect. des Sci. Nat. et Méd. Mém., v. 12, No. 4, 68 p. 1944. 504 B8362M
- 6167 WITHROW, A. P. Comparative effects of radiation and indolebutyric acid emulsion on tomato fruit production. Amer. Soc. Hort. Sci. Proc. 46: 329-335. Aug. 1945. 81 Sol2
- 6168 WOOSTER, R. C., and CHELDELIN, V. H. Growth requirements of *Penicillium digitatum*. Arch. Biochem. 8: 311-320. Nov. 1945. 381 Ar2
- 6169 ZENTMYER, G. A., KLOTZ, L. J., and MILLER, P. A. The pathological aspects of avocado decline. Calif. Citrog. 31(1): 26-27. Nov. 1945. 80 C125  
Also in Citrus Leaves 25(11): 34-35. Nov. 1945. 80 C492  
Physiological disease.
- 6170 BELVAL, H. Les polyoses complexes de la betterave geleé; dextrane et fructose. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 31-35. Mar./Apr. 1944. 66.9 In7
- 6171 BELVAL, H., and LEMOYNE, S. Structure et composition glucidique des tubercules de topinambour. Paris. Acad. des Sci. Compt. Rend. 220: 58-59. Jan. 3, 1945. 505 P21
- 6172 BERGMAN, H. F., and MAGOON, C. A. The tartrate content of Maryland-grown American grape varieties. Amer. Soc. Hort. Sci. Proc. 46: 253-255. Aug. 1945. 81 Sol2
- 6173 BERTRAND, G., and SILBERSTEIN, L. Sur la répartition du bore dans les diverses parties de la graine. Ann. Agron. [Paris] (n. s.) 14: 257-260. July/Sept. 1944. 14 An75A
- 6174 BRANAS, J., BERNON, G., and LEVADOUX, L. Expression améliorée de la qualité des produits chez *Vitis vinifera* L. (Aramon). Prog. Agr. et Vitic. 120: 259-261; 121: 88-90, 134-137. Dec. 19/26, 1943, Mar. 5/12, Apr. 16/30, 1944. 14 P94
- 6175 HAAS, A. R. C. Boron content in almond, olive and walnut trees. Amer. Soc. Hort. Sci. Proc. 46: 69-77. Aug. 1945. Ref. 81 Sol2
- 6176 HANSEN, C. J. Boron content of olive leaves. Amer. Soc. Hort. Sci. Proc. 46: 78-80. Aug. 1945. Ref. 81 Sol2
- 6177 HANSEN, E. Variations in the carotene content of carrots. Amer. Soc. Hort. Sci. Proc. 46: 455-458. Aug. 1945. 81 Sol2
- 6178 HILLS, K. L., TRAUTNER, E. M., and RODWELL, C. N. A preliminary report upon variation in the nature and quality of the main alkaloids in *Duboisia myoporoides* and *Duboisia leichhardtii*. Austral. Council Sci. and Indus. Res. J. 18: 234-253. Aug. 1945. Ref. 514 Au72J
- 6179 KARRER, P., RUCKSTUHL, H., and ZBINDEN, E. Über lactaroviolin, einen farbstoff aus *Lactarius deliciosus*. Helvetica Chim. Acta 28: 1176-1180. Oct. 15, 1945. 385 H36
- 6180 LAVOLLAY, J., SEVESTRE, J., and DUSSY, J. Sur la présence de catéchines dans un certain nombre d'espèces végétales alimentaires. Paris. Acad. des Sci. Compt. Rend. 218: 82-84. Jan. 1944. 505 P21
- 6181 LOTT, R. V. The use of decolorizing carbon to avoid error in the determination of dextrose in fruits by the Lothrop and Holmes method. Amer. Soc. Hort. Sci. Proc. 46: 149-151. Aug. 1945. 81 Sol2
- 6182 MCNAIR, J. B. Some comparisons of chemical ontogeny with chemical phylogeny in vascular plants. Lloydia 8: 145-169. Sept. 1945. Ref. 442.8 L77
- 6183 MALOWAN, L. S. Estudio sobre la catalasa de la papa del monte (Fam. Dioscorea). Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(49): 37-39. Sept. 1945. 8 R3291
- 6184 MÜLLER, D. Nachweis von blausäure in *Pholiota aurea* (Matt.) Fr. Friesia 3: 52-57. Feb. 1944. Ref. 450 F91
- 6185 SARKAR, S. N. Investigations on *Mucuna* seeds. Part I. Chemical composition and nutritive value of the seeds of *Mucuna pruriens*, DC. Ann. Biochem. and Expt. Med. 5: 39-44. 1945. 448.8 An73
- 6186 SCHINDLER, O. Über den gelben farbstoff der Forsythiablüten. Helvetica Chim. Acta 28: 1157-1159. Oct. 15, 1945. 385 H36
- 6187 SCHMID, H. Über wasserlösliche inhaltsstoffe von *Papaver somniferum* L. II. Helvetica Chim. Acta 28: 1187-1197. Oct. 15, 1945. 385 H36
- 6188 SCHOPFER, W. H. Les besoins en facteurs de croissance de vingt-trois espèces et variétés du genre *Candida*. La production de lactoflavine. Soc. de Phys. et d'Hist. Nat., Genève. Compt. Rend. 61: 232-236. Aug./Dec. 1944. 508 G28C
- 6189 SCHOPFER, W. H. Les facteurs de croissance pour quelques espèces de *Candida* et de *Torulopsis* (biotine, aneurine, m8c8oinositol). La biosynthèse de la lactoflavine. Soc. de Phys. et d'Hist. Nat., Genève. Compt. Rend. 61: 81-83. Apr./July 1944. 508 G28C

## BIOCHEMISTRY



- 6190 SIDDIQUI, S. Studies in the constituents of chana (*Cicer arietinum*, Linn.) I. Isolation of three new crystalline products from the chana germ [Biochanin A, B, and C]. *J. Sci. and Indus. Res.* 4: 68-70. Aug. 1945. 475 J82
- 6191 VANSELOW, A. P. The minor element content of normal, manganese-deficient, and manganese-treated English walnut trees. *Amer. Soc. Hort. Sci. Proc.* 46: 15-20. Aug. 1945. Ref. 81 Sol2

## SILVICULTURE

- 6192 BABY trees for adoption. *Timberman* 47(2): 37-39, 58, 60, 62. Dec. 1945. 99.81 T484
- Tree nursery at Nisqually, Wash.
- 6193 FORS, A. J. La plantación de eucaliptos en macetas de papel de techar. *Cuba. Min. de Agr. Rev.* (ser. 4) 28(3): 14-15. July/Sept. 1945. 8 Ag88Re
- 6194 GARCÍA DÍAZ, E. El tratamiento del pino laricio [*Pinus nigra poretiana*]. *Montes* 1: 191-194. July/Aug. 1945. 99.8 M763
- 6195 KALESKIL, R. To grow wattle bark, pointers from practice, black wattle [*Acacia decurrens*] or "golden" wattle. *Country Life* [Sydney] 57(12): 13. Sept. 21, 1945. 286.86 Sy2
- 6196 MINCKLER, L. S. Tree planting: principles and practices. *South. Lumberman* 171(2153): 114-116. Dec. 15, 1945. 99.81 So82
- 6197 OUDEMANS, T. C. Prae-advies voor de boschdagen 1945 over de houtsoorten bij herbebosching. *Nederland. Boschbouw Tijdschr.* 17: 327-333. Dec. 1945. 99.8 N28
- Tree species for reforestation in the Netherlands.
- 6198 QUEVEDO, M. A. DE. La Estación Forestal del Puerto de Veracruz y sus enseñanzas. *Méx. Forest.* 23: 43-50. (To be cont.) June/Sept. 1945. 99.9 M57
- 6199 STEWART, D. Afforestation in Northern Ireland. *Irish Forestry* 2: 54-56. Oct. 1945. 99.8 Ir4
- 6200 URIBE, J. E. Viveros forestales. *Vida Rural* 7(73): 14-16. Aug. 1945. 9.4 V66
- 6201 WAKELEY, P. C. How much forest planting have we to do? *South. Lumberman* 171(2153): 163-167. Dec. 15, 1945. 99.81 So82
- Estimates of areas suitable for reforestation in the Southern Pine Region.

## FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

## General

- 6202 BATANERO MASEDA, M. Organización de nuestra investigación agronomica. In Spain. *Min. de Agr. Conf. Pronunciadas en la Emisión Radio Agr.*, p. 97-104. Madrid, 1945. 15 Sp12C
- 6203 CARVAJALINO JACOME, L. J. La rotación de cultivos, base de una agricultura productiva y estable. *Rev. Nac. de Agr. [Bogotá]* 39(491): 19-33. Aug. 1945. 9.4 R32
- 6204 GOLDFRIED, H. On time of sowing problem of winter crops. (In Hebrew.) *Hassadeh* 26: 7-8. Oct. 1945. 26 H27
- 6205 LESPÉRANCE, R. La grande culture et l'expérimentation au collège MacDonald. *Terre de Chez Nous* 18(8): 6-9. Nov. 21, 1945. 7 T27
- Field crops at MacDonald College, Canada.
- 6206 MOORE, I. What war has taught about crops. *Farmer & Stock-Breeder* 59: 1818-1819. Nov. 13, 1945. 10 F228

## Cereals

- 6207 BARBERENA, M. A. Trigo (*Triticum vulgare*). *Agr. Mex.* 61(10): 6-8. Oct. 1945. 8 Ag8

- 6208 BATHE, D. R. Winter oats on difficult fields. *Farmers Weekly* [London] 23(18): 35. Nov. 2, 1945. 10 F2226
- 6209 BUCHLI, M. Anbauversuche mit wintergerstensorten. *Landw. Jahrb. der Schweiz* 58: 701-714. 1944. 17 L23
- 6210 CALDWELL, A. C., and MACGREGOR, J. M. A potash-nitrate relationship in corn as revealed by tissue tests. *Better Crops with Plant Food* 29(8): 13-14, 41-42. Oct. 1945. 6 B46
- 6211 CALLAGHAN, P. Classification of sorghums. *Red Comb B.* 181, p. 10-12. Oct. 1945. 47.8 R24
- 6212 CASTRO, J. DE P. Cereais e outras plantas. *Rev. Rural Bras.* 35(301): 24-31. Sept. 1945. 9.2 B733
- 6213 CLÉMENT, C. Sur une forme nouvelle d'orge à deux rangs. *Paris. Acad. des Sci. Compt. Rend.* 220: 59-61. Jan. 3, 1945. 505 P21
- Discussion, p. 61-62, by Louis Blaringhem.
- 6214 DYAS, E. S. Hybrid corn for muck soils. *Iowa State Hort. Soc. Trans.* (1944): 79: 327-328. 81 Io9
- Discussion, p. 329-331.
- 6215 ELIASSON, S. Höstvetets söningsstid. Preliminära resultat av sätidsförsök med höstveten åren 1941-1944 [Seeding time of fall wheat. Preliminary result of seeding time experiments with fall wheat, 1941-1944]. *Försök och Forskning* 2: 113-115. Aug. 1945. 11 F77
- 6216 ELIASSON, S., and JACOBSEN, G. Sortförsök med höstväd. *Försök och Forskning* 2: 116-119. Aug. 1945. 11 F77
- Results of experiments with varieties of fall wheat
- 6217 ELLIS, M. G. New varieties lead advances. *Family Herald and Weekly Star* 76(47): 5, 19. Nov. 21, 1945. 7 F21
- History of grain breeding in Canada.
- 6218 FERGUSON, F. Clinton, a new and better oat. *Successful Farming* 43(12): 16, 36-37, 41. Dec. 1945. 6 Su12
- 6219 GASPARINI, M. Il miglioramento della maiscoltura nell'Italia Centrale; la selezione di un granturco precoce toscano. *Ente Consorziale Interprov. Toscano per le Sementi. Ann.* 3: 27-42. 1939/1943, pub. 1944. 16 En82
- 6220 GIOVANNINI, J. M. Estudio de diversas variedades de trigo adquiridas por el servicio oficial de distribución de semillas con y sin inspección de cultivos en pie, en relación a su identidad. *Uruguay. U. Facul. de Agron. Rev.*, No. 39, p. 19-40. Feb. 1945. 102.5 M76R
- 6221 HABER, E. S. Dent, flint, flour and waxy maize for improvement of sweet corn inbreds. *Amer. Soc. Hort. Sci. Proc.* 46: 293-294. Aug. 1945. 81 Sol2
- 6222 HALPERIN, A. Crop areas and new varieties in cereal-growing in the period 1940/41 - 1943/44. (In Hebrew.) *Hassadeh* 25: 545-547. Aug./Sept. 1945. 26 H27
- 6223 HARVEY, P. H. New corn for the South; southern hybrids promise qualities rivalling famous Corn Belt lines. *South. Seedsman* 8(11): 13, 30, 38. Nov. 1945. 61.8 So8
- 6224 HITA, J. DE. Es un deber mejorar el maíz de Guinea. *Chacra* 15(180): 8. Oct. 1945. 9 C34
- Broomcorn in Argentina.
- 6225 JOHNSTONE, W. C. More corn on fewer acres. *Prog. Farmer, Ky.-Tenn.-W.Va. Ed.* 60(12): 17. Dec. 1945. 6 P945K
- 6226 KADAM, B. S. Rice in Bombay. *Indian Farming* 6: 51-54. Feb. 1945. 22 In283
- Includes data on 24 improved strains of rice varieties.
- 6227 KRALIN, P. Sroki seva i podgotovka svezheubrannykh semian rzhi [Dates of planting and preparation of freshly harvested rye seeds]. *Sovkhoz. Proizvod.* 5(7): 18-24. July 1945. 20 So85

- 6228 KURIYAN, G. Rice in India. Indian Geog. J. 20: 76-84. (Cont.) Apr./June 1945. 331.8 In2
- 6229 KYLING, B. Ensayos de variedades en trigo. Unión Agr. del Sur 3(18/19): 22-24. July/Sept. 1945. 9.3 Un3
- 6230 MCATEE, W. L. Menomin [wild rice], nature's cereal. Nature Mag. 38: 465-466, 499. Nov. 1945. 409.6 N214
- 6231 MEUNISSIER, A. Le maïs hybride. Petit Casablançais 30(1240): 6. Dec. 1, 1945. 280.8 P44
- 6232 MIRANDA, H. S. Culturas acessórias na fazenda de café; III. Arroz -- alimento básico tropical. (Cont.) São Paulo. Supt. dos Serv. do Café. B. 20: 537-541. May 1945. 68.29 Sa63
- 6233 MOORE, R. P. Results of small grain variety tests--1945. Res. and Farming. [N. C. Sta.] Prog. Rpt. 4(1): 9-10. Oct. 1945. 100 NB1R
- 6234 MORALEDA, D. Variedad "Montana." Surco [Madrid] 4(42): 5-6. Aug. 1945. 15 Su7  
Variety of hard wheat.
- 6235 MUNN, M. T. Germination tests [of oats] and field results. Farm Res. [N. Y. State Sta.] 11 (4): 15. Oct. 1, 1945. 100 N48A
- 6236 MURPHY, H. C., and BURNETT, L. C. Clinton oats arrive. Farm Sci. Rptr. 6(4): 3-7. Oct. 1945. 275.28 F22
- 6237 NUÑEZ, A. Causas principales de los bajos rendimientos del maíz. Uruguay. Min. de Ganad. y Agr. B. Inform. 87: 380. Sept. 27, 1945. 9.9 G15B
- 6238 OBREGÓN, G. Investigaciones sobre densidad y distancias de trigo. Agr. Trop. 1(8): 7-11. (Cont.) Sept. 1945. 26 Ag8
- 6239 OSWALT, R. M. Pawnee wheat proves to be high yielder. Farmer-Stockman 58: 411. Nov. 1945. 6 Ok45
- 6240 PARKER, J. H. More and better barley. Brewers Digest 20(10): 45-47. Oct. 1945. 390.8 B75  
Also in Grain & Feed J. Consolidated 95: 282. Oct. 10, 1945. 299.8 G762
- 6241 PELLETIER CÁZARES, P. Maíz "amargo" resistente a la langosta. Mex. Ofic. Fitosanit Fitófilo 4: 111-128, processed. (Concl.) Mar./Apr. 1945. 421 F55
- 6242 REISNER, M. Planning the supply of selected seed grain. (In Hebrew.) Hassadeh 25: 549-550. Aug./Sept. 1945. 26 H27
- 6243 REISNER, M. Should winter cereals be sown in dry or wet soil? (In Hebrew.) Hassadeh 26: 4-7. Oct. 1945. 26 H27
- 6244 RICHARDSON, T. C. Millions of brooms. Farmer-Stockman 58: 400, 442. Nov. 1945. 6 Ok45  
Culture of broomcorn.
- 6245 RICHARDSON, T. C. Saga of the sorghums. 2, 4-5. Farmer-Stockman 58: 291, 321-322, 324, 393, 439, 441, 453, 484, 486. Sept.-Dec. 1945. 6 Ok45  
2. Meet the scientists who are remaking sorghum.  
4. Six decades with milo.  
5. The sorghum revolution; special qualities and mechanization open up vast potentials.
- 6246 ROMANOV, V. A. Novye sorta prosa [New varieties of millet]. Inst. Zern. Khoz. Fúgo-Vostoka SSSR. B. 2, p. 3-5. 1944. 20 Sa7
- 6247 ROSSI, A. M. Contributo al riconoscimento di alcune razze e varietà di frumenti da montagna mediante il saggio all'acido fenico. Ente Consorziale Interprov. Toscano per le Sementi. Ann. 3: 105-111. 1939/1943, pub. 1944. 16 En82
- 6248 RUSSELL, L. Hybrid corn shows well in tests. Farmer-Stockman 58: 456. Dec. 1945. 6 Ok45
- 6249 SALDÍAS, M. O. Indicaciones elementales sobre cultivo del arroz. Chacra 15(180): 10-12. Oct. 1945. 9 C34
- 6250 SANTA MARÍA Y R., H. A. Mejoramiento de la semilla de maíz para obtener grandes rendimientos. Agronomía [Lima] 10(43): 33-46. Sept. 1945. 9.8 Ag83
- 6251 VAN WYK, N. J. Increase your maize crop this season. Farmer [Pietermaritzburg] 34(40): 6. Oct. 5, 1945. 24 F227
- 6252 WAGNER, S. Sortenprüfungen bei winterweizen. Landw. Jahrb. der Schweiz 58: 590-604. 1944. 17 L23
- 6253 WEAVER, B. L. Will hybrids solve the problem of popcorn production? Peanut J. and Nut World 25(1): 61-64. Nov. 1945. 77.8 P313

#### Fiber Crops

- 6254 CAÇANDO abelhinhas revelou-se uma bela fonte de fibras textéis e celulose [Triumfetta rhomboidea]. Chacaras e Quintais 72: 314-315. Sept. 15, 1945. 9.2 C34
- 6255 CHOUSSEY, F. Nuevas observaciones y deducciones sobre el cultivo de la "Roselle" en El Salvador. El Salvador. Inst. Tec. An. 1(1): 151-206. 1944. 8 Sa34
- 6256 CRANE, J. C., and ALONSO, R. E. Fiber content in relation to length and age of Sansevieria Thunb. leaves. Amer. Soc. Agron. J. 37: 953-961. Nov. 1945. Ref. 4 Am34P
- 6257 PELIOWSKI K., B. Influencia de la cantidad de semilla sembrada sobre algunos caracteres de la planta y el rendimiento en el cañamo. Chile. Dir. Gen. de Agr. Agr. Tec. 5: 48-64. Jan./June 1945. 464.9 G432B

#### Forage Crops and Grasses

- 6258 ACEVEDO D., E. Las empastadas y sus mejoras. Campesino [Santiago] 77: 539-540. Oct. 1945. 9.3 Sol2
- 6259 BALLANTYNE, J. I. Pasture experiments. Ontario Cheese Prod. Assoc. Rpt. (1944) 11: 37-38. 44.9 On8
- 6260 BARLOW, H. O. Many farmers overlook a gold mine at home [Hubam clover]. Farmer-Stockman 58: 402. Nov. 1945. 6 Ok45
- 6261 BARTELS, L. C. Irrigated pasture and lucerne competitions, Murray Valley District, 1944-45. Countryman [Melbourne] (ser. 20), No. 22, p. 6. June 8, 1945. 281.8 C83
- 6262 BAVER, L. D. It's not a farm without a pasture. Prog. Farmer, Car.-Va. Ed. 60(12): 15. Dec. 1945. 6 P945
- 6263 CARLSON, J. W. Factors affecting alfalfa seed setting and production in Utah. Farm & Home Sci. [Utah Sta.] 6(4): 4, 15. Dec. 1945. 100 UtlF
- 6264 DAVIES, W. Good takes and late grazing; special problems in ley farming as they apply to heavy clay land. Farmers Weekly [London] 23(16): 31-32. Oct. 19, 1945. 10 F2226
- 6265 FITZGERALD, O. A. New, superior grasses mean better grazing ahead. West. Farm Life 47(19): 16. Nov. 15, 1945. 6 R153
- 6266 FRANKE, P. "Sweet" is a good word for a new sudan grass which does excellently in the South. Acco Press 23(11): 4-6. Nov. 1945. 6 Ac2
- 6267 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Growing crops for silage. Gt. Brit. Min. Agr. and Fisheries. 'Growmore Leaflet' 92, 4 p. London, 1945. 10 G79Gr
- 6268 HALBROOKS, L. V. Improving pastures. Agr. Ed. Mag. 18: 107, 109. Dec. 1945. 275.8 Ag8  
A publicity program in Texas.
- 6269 HARRY, E. L. Preparation for ley farming. Welsh J. Agr. 18: 23-27. July 1945. 10 W46
- 6270 HAYMAN, R. H. Clover-ley farming. Victoria. Dept. Agr. J. 43: 409-414. Oct. 1945. 23 V66J
- 6271 HUTCHINSON, J. "Extra" land for increased livestock. Farmers Weekly [London] 23(16): 28-29. Oct. 19, 1945. 10 F2226



**6272 IMPERIAL BUREAU OF PASTURES AND FORAGE CROPS.** The establishment and early management of sown pastures. Imp. Bur. Pastures and Forage Crops. B. 34, 210 p. Aberystwyth, 1945. 64.8 Im7  
Contents: Great Britain, by W. Davies, M. T. Thomas, and M. Jones, p. 1-54; Canada, by P. O. Ripley and F. S. Nowosad, p. 55-72; Australia, by J. G. Davies and C. S. Christian, p. 73-96; New Zealand, by E. B. Levy, p. 97-121; United States of America, by V. G. Sprague, M. A. Hein, R. L. Lovvorn, H. L. Ahlgren, D. A. Savage, G. A. Rogler, G. Stewart, and H. A. Schoth, p. 123-202.

Prepared in collaboration with the U. S. Bureau of Plant Industry, Soils and Agricultural Engineering, and the U. S. Forest Service.

**6273 JONES, M.** The place of direct re-seeding. Scot. Farmer 53: 1194. Dec. 1, 1945. 10 Sco8  
Planting grass.

**6274 KELLER, W.** An evaluation of kraft and parchment paper bags for the control of pollination in grasses. Amer. Soc. Agron. J. 37: 902-909. Nov. 1945. Ref. 4 Am34P

Mainly *Bromus inermis*.

**6275 KELLER, W., BATEMAN, G. Q., and PACKER, J. E.** Pasture studies indicate possibilities of more productive grass and legume mixtures for irrigated land. Farm & Home Sci. [Utah Sta.] 6(4): 7-10, 15. Dec. 1945. 100 UtlF

**6276 KILLOUGH, J. A.** Grass grows on the rocks. Farmer-Stockman 58: 398. Nov. 1945. 6 Ok45

**6277 LARIN, I.** Nekotorye itogi issledovatel'skoi raboty. Sovkhoz. Proizvod. 5(7): 47-49. July 1945. 20 So85

Research on the agricultural technique of perennial forage plants and grasses at the Altai Agricultural Institute (Altaiskii Sel'skokhoziaistvennyi Institut).

**6278 LEEPER, R. L.** Better varieties of alfalfa. Ohio Farm Bur. News 25(5): 33. Dec. 1945. 6 Oh34

**6279 LIEBENBERG, L. C. C.** Grass: key to reconstruction. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 169, 2 p. Pretoria, 1945. 24 So82Pa

**6280 LUSH, R. H.** Green acres. Natl. Fert. Assoc. Pam. 140, 11 p. Washington, D. C., 1945. 57.9 N212P

Fertilization of grasses; grazing management; plants suitable for summer and winter pastures.

**6281 M, P. A.** Pulling mangels without topping. Farmers' Gaz. [Dublin] 103: 619. Oct. 20, 1945. 10 F221

**6282 MCCAFFREY, J. D.** Supplementary pasture. Ontario Cheese Prod. Assoc. Rpt. (1944) 11: 38-39. 44.9 On8

**6283 MACLEOD, J. D.** Profitable pastures. Ontario Cheese Prod. Assoc. Rpt. (1945) 12: 18-25. 44.9 On8

**6284 MARJERISON, H. S.** The pasture problem and its solution. Ontario Cheese Prod. Assoc. Rpt. (1944) 11: 36-37. 44.9 On8

**6285 MAULDIN, R. C.** Texas and the great Southwest: land of sunshine, native grasses and numerous wild clovers. Tex. Livestock J. 4(11): 8-9, 27-28. Nov. 15, 1945. 49 T29

**6286 MICHA.** On grazing in the Falha fields. (In Hebrew.) Hassadeh 26: 44. Oct. 1945. 26 H27

**6287 MOMBORG, J. A.** Las betarragas como forraje succulento. Unión Agr. del Sur 3(13/19): 32-34. July/Sept. 1945. 9.3 Un3

**6288 MUNOZ FIZARRO, C., and SUAREZ F., J.** Posibilidades forrajeras del genero *Adesmia* en Chile. Chile. Dir. Gen. de Agr. Agr. Tec. 5: 95-97. Jan./June 1945. 464.9 C432B

**6289 NEUMAN, Z.** Regulating the supply of "Musqawi" clover as green fodder. (In Hebrew.) Hassadeh 26: 8-11. Oct. 1945. 26 H27

**6290 NIXON, W. M.** West Cross Timbers: hairy vetch seed promised land. Texas-Oklahoma area offers good yields unharmed by other sections' weevil and bruchid scourge. South. Seedsman 8(12): 11, 36. Dec. 1945. 61.8 So8

**6291 PÁEZ C., J.** El camote forrajero. Agro-nomia Lima, 10(43): 55-62. Sept. 1945. 9.8 Ag83

**6292 PAL'CHEVSKIĬ, V.** Kormovyi arbut v zasushlivykh raiionakh Severnogo Kavkaza i ūgo-Vostoka SSSR [Forage watermelon in the arid regions of northern Caucasus and southeastern U. S. S. R.]. Sovkhoz. Proizvod. 5(7): 25-27. July 1945. 20 So85

Its cultivation as a crop preceding spring barley.

**6293 REA, J. G. G.** The place of old grass. Scot. Farmer 53: 1170. Nov. 24, 1945. 10 Sco8  
Pasture management in Scotland.

**6294 RICHARDSON, T. C.** "If you haven't you will." Farmer-Stockman 58: 298, 320. Sept. 1945. 6 Ok45

Culture of vetch for pasture.

**6295 RICKARD, J. A.** Hubam clover, the nine purpose legume. Your Farm 4(2): 97-102. Dec. 1945. 6 Y8

**6296 ROBERTS, E.** Slowly but surely, pasture grows. Farmer-Stockman 58: 429. Nov. 1945. 6 Ok45

**6297 SCOTT, L. B.** Newcomer in grasses; Pensacola Bahia shows real promise as a pasture grass for the Southeast. South. Agr. 75(12): 32. Dec. 1945. 6 So83

**6298 SCOTT, L. B.** Winter-fighting Wilmington narrow-leaf Bahia grass; Pensacola Bahia's neglected sturdy cousin proves surprisingly cold-resistant. South. Seedsman 8(12): 14, 30. Dec. 1945. 61.8 So8

**6299 SHARPE, B.** Steady grazing. South. Agr. 75(12): 16. Dec. 1945. 6 So83

**6300 STEVENSON, T. M.** How can the farmer benefit from new varieties of forage crops? Canad. Seed Growers' Assoc. Ann. Rpt. 1944/45: 21-24. 61.9 Cl6

**6301 SUÁREZ F., J.** El kudzu y sus posibilidades en Chile. Semente 15(1): 6-8, 10. Jan./Mar. 1945. 9.3 S14

**6302 TELFORD, E. A., and CHILDERS, N. F.** Tropical kudzu [*Pueraria phaseoloides*]. Agr. in the Americas 5: 210-211. Nov. 1945. 1 F752A

**6303 THOMAS, N. J.** The relation of good pastures to cheese. Ontario Cheese Prod. Assoc. Rpt. (1944) 11: 33-36. 44.9 On8

**6304 WHITE, W. T.** Profit in range conservation. Natl. Wool Grower 35(11): 16-18. Nov. 1945. 45.8 N21N

**6305 WORTHINGTON, J.** Lawns to lucerne. Farmers Weekly [London] 23(16): 32. Oct. 19, 1945. 10 F2226

#### Oil Crops

**6306 ADONE, R. J.** Cultivo e industrialización del tártago. Agr. Venezol. 9(107/108): 20-23. Mar./Apr. 1945. Ref. 9.95 Ag8

**6307 AGRICULTEURS...** cultivez le tournesol. B. Agr. des Hautes-Pyrénées, No. 401, p. 40. Mar./Apr. 1944. 14 B875

**6308 ANAN'EVA, S. V.** Vegetativnaia gibrizatsiia podsolnechnika [Vegetative hybridization of sunflower]. Inst. Zern. Khoz. ūgo-Vostoka SSSR. 3. 2, p. 19-25. 1944. 20 Sa7

**6309 BLANCO CASAS, A.** Cultivo del girasol. Rincón Campesino 6(59): 19-22. Oct. 1945. 8 R47

**6310 BRUMPT, E.** Recherches sur la sélection, la grande variabilité et le rendement des tournesols. Paris. Acad. des Sci. Compt. Rend. 218: 209-211. Jan. 1944. 505 F21

**6311 CANTERBURY AGRICULTURAL COLLEGE, NEW ZEALAND.** Linseed. Canterbury Chamber Com. Agr. B. 195, 3 p. Christchurch, 1945. 23 Cl62

6312 CARTER, J. L. The work of the U. S. Regional Soybean Laboratory. Soybean Processors' Conf. Rpt. (1944) 1: 33-36, processed.

275.29 IL62Pag

6313 DARLING, R. The peanut is a pod. Walkabout 11(9): 28-29. July 1, 1945. 331.8 W15

6314 DOMINGO, W. E., and CROOKS, D. M. Investigations with the castor-bean plant: III. Fertilizers, clipping, method of planting, and time of harvest. Amer. Soc. Agron. J. 37: 910-915. Nov. 1945. 4 Am34P

6315 JUL REYES, G. Cultivo del girasol en Argentina. Simiente 15: 51-60. Apr./June 1945. 9.3 S14

6316 LANGHAM, D. G. Ajonjolí (Sesamum indicum L.) sin glandulas en el haz de la hoja. Agr. Venezol. 9(107/108): 16. Mar./Apr. 1945. 9.95 Ag8

6317 MARIN, O. Cultivo de la higuerilla o palma cristi. Nicaragua. Min. de Agr. y Trab. P. para Finqueros 5, 8 p. Managua, 1945. 8 N51B

6318 MOROZOV, V. K. Novye sorta podsolnechnika [New varieties of sunflower]. Inst. Zern. Khoz. ūgo-Vostoka SSSR. B. 2, p. 6-10. 1944. 20 Sa7

6319 MOROZOV, V. K. O metodike selektsionnoy raboty s podsolnechnikom [Concerning the method of breeding sunflower]. Inst. Zern. Khoz. ūgo-Vostoka SSSR. B. 2, p. 11-18. 1944. 20 Sa7

6320 PACHECO GARMENDIA, H. El girasol; botánica, cultivo y utilización. Agronomía [Lima] 10(42): 33-39. July/Aug. 1945. 9.8 Ag83

6321 WOODWORTH, C. M. Creating new kinds of soybeans. Soybean Processors' Conf. Rpt. (1944) 1: 8-12, processed. 275.29 IL62Pag

#### Sugar Crops

6322 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Comment combler les vides d'une plantation de betterave? II. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 627-631. Nov./Dec. 1944. 66.9 In7  
English summary.

6323 DECOUX, L., VANDERWAEREN, J., and SIMON, M. La fréquence des binages, en relation avec l'écartement entre les lignes de betterave sucrière. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 645-651. Nov./Dec. 1944. 66.9 In7

6324 DECOUX, L., and others. L'ombrage de la betterave. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 603-613. Nov./Dec. 1944. 66.9 In7  
J. Vanderwaeren, M. Simon, and W. van Goidsenhoven, joint authors.

English summary.

6325 DECOUX, L., VANDERWAEREN, J., and SIMON, M. La précocité du semis de la betterave en relation avec le plaçage et le demariage. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 621-625. Nov./Dec. 1944. 66.9 In7

English summary.

6326 DECOUX, L., VANDERWAEREN, J., and SIMON, M. quelques modalités de plantation de la betterave. II. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 615-619. Nov./Dec. 1944. 66.9 In7

English summary.

6327 L., H. M. Experimental work in agriculture: report of the sixty-fourth annual meeting. Hawaiian Sugar Planters' Association, 1944. Internatl. Sugar J. 47: 257-259. Oct. 1945. 65.8 In8

6328 RAMÍREZ, J. C. Hay que salvar el cultivo de la caña. Téc. Azucarera 5(37/38): 1-5. Oct. 1944, 1.º. 1945. 65.8 T22

Decrease in yield of sugarcane in Mexico.

6329 SHAH, M. I. Sugar beet cultivation in Peshawar. Indian Farming 6: 57-59. Feb. 1945. 22 In283

#### Tobacco

6330 CAMACHO PADRON, W. Como se puede cultivar tabaco habano de calidad. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(129): 18-21, 32-33, 37. Aug. 1945. 6 Sa53

6331 GONZÁLEZ B., L. A. Transplante y cuidados que requiere el tabaco durante el tiempo que dura en el campo. Agr. Venezol. 9(107/108): 42-48. Mar./Apr. 1945. 9.95 Ag8

6332 GONZÁLEZ BAUTISTA, L. A. Semilleros de tabaco. Agr. Venezol. 9(107/108): 39-41. Mar./Apr. 1945. 9.95 Ag8

6333 GRIFFITHS, N. Mareeba [Australia], where there is more in tobacco than smoke. Walkabout 11(8): 25-27. June 1, 1945. 331.8 W15

6334 HUNT, R. Let's put a good cover over all tobacco land. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 60(9): 14, 47. Sept. 1945. 6 P945K

6335 HUNT, R. Next year let's profit from this year's mistakes in tobacco culture. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 60(12): 15, 79. Dec. 1945. 6 P945K

6336 LABORES culturales después del trasplante del tabaco. Chacra 15(180): 68. Oct. 1945. 9 C34

6337 ORTIZ R., G. Campaña tabacalera en el valle del Cauca. Agr. Trop. 1(9): 13-16. (Concl.) Oct. 1945. 26 Ag8

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

#### General

6338 BEATTY, R. H., and JONES, F. D. Effect of Weedone on nursery stock. Amer. Nurseryman 82(11): 9-10. Dec. 1, 1945. 80 Am371

6339 C., F. C. Vilmorin-Andrieux & Cie begins its third century. Seed World 58(9): 8-9. Nov. 2, 1945. 61.8 Se52

6340 GENTIL, L. Belgian horticulture during the German occupation. Gard. Chron. 118: 160-161. Oct. 13, 1945. 80 G162

6341 GUERIN, B. C. DE. Jersey's horticulture. Fruit Grower, Fruiterer, Florist & Market Gard. 100: 406. Nov. 22, 1945. 80 F941  
Isle of Jersey.

6342 KOBEL, F. Jahresbericht 1944 der Eidg. Versuchsanstalt für Obst-, Wein- und Gartenbau in Wädenswil. Landw. Jahrb. der Schweiz 59: 159-175. 1945. Ref. 17 L23

6343 MCMUNN, R. L. Early history of the Illinois State Horticultural Society and the district societies. Ill. State Hort. Soc. Trans. (1944) 78: 179-259. 1945. 81 IL6

6344 MEIER, K. Bericht der Eidg. Versuchsanstalt für Obst-, Wein- und Gartenbau in Wädenswil für das Jahr 1943. Landw. Jahrb. der Schweiz 58: 891-953. 1944. Ref. 17 L23

6345 PINNEY, J. J. Beginning in the nursery business. IV. Amer. Nurseryman 82(12): 13-14. Dec. 15, 1945. 80 Am371

6346 PRIPPS, A. E. Hydroponic garden at Atkinson Field [British Guiana]. Mil. Engin. 37: 454-455. 290.9 Un3

6347 SANNAC, G. L'enseignement de l'arboriculture et de la culture potagère dans les Hautes-Pyrénées. B. Agr. des Hautes-Pyrénées, No. 400, p. 14-18. Jan./Feb. 1944. 14 B875

6348 SOROA, J. M. DE. Agricultura; plantaciones. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 1(8): 4-5. Nov. 1944. 15 Sp12

Chiefly propagation by cuttings.

6349 STRICKLAND, A. G. Plant hormones in horticulture. So. Austral. Dept. Agr. J. 49: 55-57. Sept. 1945. 23 So84

6350 TURNER, A. G. Horticultural development in Province of New Brunswick, N. B. Canad. Hort. and Home Mag., Growers' Ed. 68: 193-194. (Cont.) Sept./Oct. 1945. 80 C16



Fruits--General

- 6351 ALGERIA. DIRECTION DE L'AGRICULTURE. Comptes rendus de l'expérimentation fruitière en Algérie. Algeria. Dir. de l'Agr. Docs. et Renseign. Agr. B. 118, 32 p. Alger, 1945. 24 AL34
- 6352 BAGENAL, N. B. An acre of mixed fruit. Fruit-Grower, Fruiterer, Florist & Market Gard. 100: 334, 341. Nov. 1, 1945. 80 F941
- 6353 BLOCK, F. L. A quarter century of fruit growing and testing in western Minnesota. Minn. Hort. 73: 135-136. Nov. 1945. 81 M66
- 6354 BRYNER, W. Mehr wandspaliere. Schweiz. Z. f. Obst- u. Weinbau 54: 430-432. Nov. 24, 1945. 80 Sch9
- 6355 CROCE, F. M. La poda en verde aplicada a la poda de formación de los frutales. Vinos, Viñas y Frutas 41: 144-146. Sept./Oct. 1945. 9 Ag89
- 6356 FARBOS, J. R. Es conveniente podar los frutales? Agr. Venezol. 9(107/108): 8-10, 38. Mar./Apr. 1945. 9.95 Ag8
- 6357 FISCH, P. Fungi in the orchard. Victori-an Nat. 62: 103-104. Oct. 1945. 410 V66  
Effect of mycorrhiza-forming fungi.
- 6358 HANLY, W. B. Fruit grows where pond flows. Farmer-Stockman 58: 428. Nov. 1945. 6 Ok45
- 6359 KESSLER, H. Obstbauliche reminiszenzen von der Insel Walcheren in Holland. Schweiz. Z. für Obst- u. Weinbau 53: 427-433. Nov. 25, 1944. 80 Sch9
- 6360 LIST of fruits recommended by the district horticultural societies in cooperation with the Department of Horticulture, University of Illinois for the territory embraced in the respective districts. Ill. State Hort. Soc. Trans. (1944) 78: 31-37. 1945. 81 IL6
- 6361 NOVELO F., E. Plantación de árboles frutales. Fomento [monthly], No. 23, p. 25. Sept. 1945. 8 F734
- 6362 REBOUR, H. Variétés fruitières à cultiver en Algérie. Algeria. Dir. de l'Agr. Docs. et Renseign. Agr. B. 119, 16 p. Alger, 1945. 24 AL34
- 6363 RUFFIN, W. A. Let's grow more fruit. This Month in Rural Ala., Nov. 1945, p. 6. 6 T34
- 6364 RUTH, W. A., POWELL, D., and CHANDLER, S. C. The season of 1944. Ill. State Hort. Soc. Trans. (1944) 78: 38-57. 1945. 81 IL6  
General discussion of deciduous and small fruit including yield and diseases and pests.
- 6365 SCHAER, E. Kurze uebersicht über die systematik in der obstsorkenkunde. Schweiz. Z. für Obst- u. Weinbau 53: 320-324. Sept. 2, 1944. 80 Sch9
- 6366 SCHAER, E. Der obstbau der Gemeinde Weisslingen und seine neugestaltung. Landw. Jahrb. der Schweiz 59: 176-202. 1945. Ref. 17 L23
- 6367 SHEWELL-COOPER, W. E. Planting your [fruit] trees a simple procedure. Poultry World 77: 258. Nov. 23, 1945. 47.8 P682
- 6368 SHOEMAKER, J. S. Breeding hardy fruits. 2. Crossing for new varieties. Country Guide 64 (12): 23. Dec. 1945. 7 G68
- 6369 TOMALIN, T. E. Fruit tree planting. Pop. Gard. 47: 292-293. Nov. 10, 1945. 80 G1622
- 6370 TORRES HERRERA, J. M. La producción de frutas. Rev. Nac. de Agr. [Bogotá] 39(491): 18. Aug. 1945. 9.4 R32
- 6371 WARREN, C. H. Who would be a fruit farmer? Field 186: 428. Oct. 27, 1945. 10 F45  
Orchard management in Great Britain.
- 6372 WEYGERS, H. Fruits of Ceram. Walkabout 11(9): 25-28. July 1, 1945. 331.8 W15  
Related to Tarlton Rayment.

Fruits--Citrus and Subtropical

- 6373 ALDRICH, W. W., LEACH, G. H., and DOLLINS, W. A. Some factors influencing the growth of date offshoots in the nursery row. Amer. Soc. Hort. Sci. Proc. 46: 215-221. Aug. 1945. 81 Sol2
- 6374 BEKERMANN, J. The fertility of the Clementine [orange]. (In Hebrew.) Hassadeh 26: 22-23. Oct. 1945. 26 H27
- 6375 BENLLOCH, M. La vecería del olivo y la poda. Siembra 1(1): 38-39. Jan. 1945. 15 S11
- 6376 CALAVO GROWERS OF CALIFORNIA. Annual report, 22d, 1944/45, 8 p. Los Angeles, 1945. 81 CL282  
Avocado.
- 6377 CULTURE of the fig. By "A Swallow." Fruit-Grower, Fruiterer, Florist & Market Gard. 100: 315. Oct. 25, 1945. 80 F941
- 6378 DINSA, S. H. S. Nomenclature of citrus fruits. Punjab Fruit J. 9: 130-131. July 1945. 80 P962
- 6379 DONALSON, H. E. El banano; indicaciones para el cultivo práctico del banano con un examen de las condiciones especiales sobre el Rio Coco. Nicaragua. Min. de Agr. y Trab. B. para Pinqueros 2, ed. 2, 23 p. Managua, 1944. 8 N51B
- 6380 EWING, B. C. Story of the date. Your Farm 4(2): 93-96. Dec. 1945. 6 Y8
- 6381 FEBRES CORDERO, M. Una mina colgante. Agr. Venezol. 9(109/110): 10-11. May/June 1945. 9.95 Ag8  
Coconuts.
- 6382 FRIEND, W. H. Good and poor citrus grove locations. Tex. Farming and Citric. 22(5): 17. Nov. 1945. 80 T31
- 6383 HERRERA, R. D. La poda de los cítricos. Fomento [monthly], No. 23, p. 6, 23. Sept. 1945. 8 F734
- 6384 HODGSON, R. W. Pruning with reference to the old citrus orchard problem. Calif. Citrog. 31(2): 40. Dec. 1945. 80 CL25
- 6385 HOXMARK, G. Bioclima de los citrus en el litoral Argentino. Soc. Cien. Argentina. An. 140: 3-15. July 1945. 516 Sol
- 6386 HUME, H. H. Propagating citrus trees. Amer. Fruit Grower 65(12): 12, 22. Dec. 1945. 80 G85
- 6387 JESSEN, L. S. Banana bonanza. What of the Territory's favorite fruit in the days ahead? Hawaii Farm and Home 8(11): 4-5, 19. Nov. 1945. 25 H3191
- 6388 MALAN, P. F. Spraying citrus trees for mineral deficiencies. Union So. Africa. Dept. Agr. and Forestry. Press Serv., No. 808, p. 1. Nov. 13, 1945. 24 So82Pr
- 6389 MOREIRA, S. Podas em plantas cítricas. Brazil. Dept. Nac. de Prod. Veg. Secç. de Fomento Agr. no Pará. B. 3(2): 63-68. July/Dec. 1944. 9.2 B7362
- 6390 MOSHER, H. Selecting a site for a citrus orchard. Tex. Farming and Citric. 22(5): 9. Nov. 1945. 80 T31
- 6391 NOSTI, J. La piña de América y su multiplicación. Agricultura [Madrid] 14: 401-404. Aug. 1945. 15 Ag84
- 6392 LA PALMERA datilera. Rancho 1(1): 19-21. Oct. 1945. 8 R15R
- 6393 PECKER, M. The cultivation of sapodilla [Achras zapota] in Palestine. (In Hebrew.) Hassadeh 25: 559-561. Aug./Sept. 1945. 26 H27
- 6394 PESTONIT. El mango: historia, clima, terreno, cultivo y propagación. Rincón Campesino 6 (57): 24-25. Aug. 1945. 8 R47
- 6395 PESTONIT. El mango: variedades, poda y enfermedades. Rincón Campesino 6(58): 16, 19. Sept. 1945. 8 R47

- 6396 RUTHERFORD, D. M. Good citrus trees--quick. Calif. Citrog. 31(2): 41, 54-55. Dec. 1945. 80 C125
- 6397 TURRELL, F. M., CARLSON, J. P., and KLOTZ, L. J. Surface and volume determinations of citrus fruits. Amer. Soc. Hort. Sci. Proc. 46: 159-165. Aug. 1945. 81 Sol2
- 6398 U. S. PATENT OFFICE. Plant patent No. 662 Graham, M. M. Avocado tree. 2 p. Patented Nov. 27, 1945. 156.65 P69
- 6399 YOFFE, I. Experience with citrus varieties. (In Hebrew.) Hassadeh 26: 20-22. Oct. 1945. 26 H27
- 6400 ZMIRIN, S. The prospects of banana plantations in the coastal region. (In Hebrew.) Hassadeh 25: 561-563. (Concl.) Aug./Sept. 1945. 26 H27
- Fruits--Deciduous
- 6401 BEAR, E. M. Pruning apples. Fruit Grower, Fruiterer, Florist & Market Gard. 100: 421-422. Nov. 29, 1945. 80 F941
- 6402 BLIGH, R. D. L. Our apple trees--can their growth and productiveness be modified? Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1944) 81: 31-39. 82 N85
- 6403 BRASE, K. D. Observations on growth differences of sweet and sour cherries grafted onto Mazzard and Mahaleb body stocks. Amer. Soc. Hort. Sci. Proc. 46: 211-214. Aug. 1945. 81 Sol2
- 6404 BROWN, L. Let's make peach trees produce next spring. This Month in Rural Ala., Nov. 1945, p. 3. 6 T34
- 6405 CARTER, J. Apple varieties. Fruit-Grower Fruiterer, Florist & Market Gard. 100: 422. Nov. 29, 1945. 80 F941
- 6406 CHUCKA, J. A., WARING, J. H., and WYMAN, O. L. Magnesium deficiency in Maine apple orchards. Amer. Soc. Hort. Sci. Proc. 46: 13-14. Aug. 1945. 81 Sol2
- 6407 COCHRAN, G. W. Propagation of peaches from softwood cuttings. Amer. Soc. Hort. Sci. Proc. 46: 230-240. Aug. 1945. 81 Sol2
- 6408 DEGMAN, E. S. Increased fruit set of Anjou pear with heavy application of nitrogen. Amer. Soc. Hort. Sci. Proc. 46: 25-26. Aug. 1945. 81 Sol2
- 6409 DORSEY, M. J. A progress report on the apple breeding project. Ill. State Hort. Soc. (1944) 78: 302-305. 1945. 81 IL6
- 6410 EINSET, J. The spontaneous origin of polyploid apples. Amer. Soc. Hort. Sci. Proc. 46: 91-93. Aug. 1945. 81 Sol2
- 6411 ELLENWOOD, C. W., and FRYMAN, C. Peach orchard grown in sod. Hoosier Hort. 27: 131-133. Oct. 1945. 81 In2H  
Includes blooming dates and mortality over 13 years.
- 6412 ELLENWOOD, C. W. Prevention of bruises in harvesting apples. Ohio Agr. Expt. Sta. Bimo. B. 30: 128-131. July/Aug. 1945. 100 Oh3S
- 6413 F., A. G. Helping you to choose the best dessert apples. Pop. Gard. 47: 306. Nov. 24, 1945. 80 G1622
- 6414 F., G. A choice of the newer apples that all amateurs should try. Pop. Gard. 47: 292. Nov. 10, 1945. 80 G1622
- 6415 F., G. Plant pollinators for your plum trees. Pop. Gard. 47: 299. Nov. 17, 1945. 80 G1622
- 6416 FRUITS for every wall and fence: in sunny and shady places. By Grower. Pop. Gard. 47: 274. Oct. 27, 1945. 80 G1622
- 6417 GERHARDT, F., and ENGLISH, H. Ripening of the Italian prune as related to maturity and storage. Amer. Soc. Hort. Sci. Proc. 46: 205-209. Aug. 1945. 81 Sol2
- 6418 HENDRICKSON, A. H., and VEIHMEYER, F. J. Some effects of irrigation on the interrelations of growth, yields, and drying ratios of French prunes. Amer. Soc. Hort. Sci. Proc. 46: 187-190. Aug. 1945. 81 Sol2
- 6419 HILBORN, M. T. A new hardy [apple] stock nursery for Maine. Maine State Pomol. Soc. Ann. Rpt. 1944: 54-55. 81 M28
- 6420 HILTON, R. J. Frameworking. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1944) 81: 45-46. 82 N85  
Grafting of apples.
- 6421 HILTON, R. J. Pre-harvest sprays [of apples] with plant hormones. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1944) 81: 43, 45. 82 N85
- 6422 HILTON, R. J. Thinning apples with caustic sprays. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1944) 81: 46. 82 N85
- 6423 HOBBS, E. W. Intensive systems of apple production with particular reference to dwarf pyramids. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 15-21. 84 B77
- 6424 HOFFMAN, M. B., and VAN DOREN, A. Some results in thinning peaches with a blossom removal spray. Amer. Soc. Hort. Sci. Proc. 46: 173-177. Aug. 1945. 81 Sol2
- 6425 HOUGH, L. F. The new pear breeding project. Ill. State Hort. Soc. Trans. (1944) 78: 106-110. 1945. 81 IL6
- 6426 KELLEY, V. W. Observations in 1944 and suggestions for 1945. (Sum.) Ill. State Hort. Soc. Trans. (1944) 78: 299-302. 1945. 81 IL6  
Apple culture in Illinois.
- 6427 LIEBERMAN, J. Planting of fruit trees in southern Palestine in 1944/45. (In Hebrew.) Hassadeh 25: 556-559. Aug./Sept. 1945. 26 H27
- 6428 LOBIT, P. Une nouvelle méthode de conduite du pommier. B. Agr. des Hautes-Pyrénées, No. 401, p. 28-31. Mar./Apr. 1944. 14 B875
- 6429 PAINTER, S. L. The apple nursery stock situation outside of Maine for 1944. Maine State Pomol. Soc. Ann. Rpt. 1944: 56. 81 M28
- 6430 PROEBSTING, E. L. Effect of time of application of nitrogen on size and maturity of stone fruits. Amer. Soc. Hort. Sci. Proc. 46: 178-182. Aug. 1945. 81 Sol2
- 6431 ROBERTS, R. H. Factors affecting apple setting. Ill. State Hort. Soc. Trans. (1944) 78: 118-121. 1945. 81 IL6  
Discussion, p. 121-124.
- 6432 SCHOFF, M. Northern Illinois apple future. Ill. State Hort. Soc. Trans. (1944) 78: 285-288. 1945. 81 IL6
- 6433 SELBY, H. C. Dessert apple growing. Fruit-Grower, Fruiterer, Florist & Market Gard. 100: 377-378, 384. Nov. 15, 1945. 80 F941
- 6434 SHEWELL-COOPER, W. E. Choosing the cherries. Field 186: 429. Oct. 27, 1945. 10 F45
- 6435 SHEWELL-COOPER, W. E. Cooking apples--for gardens or orchards. Smallholder 74(1861): 9. Nov. 16, 1945. 10 Sml
- 6436 SHEWELL-COOPER, W. E. Fruit trees in blossom again: the reason. Smallholder 74(1858): 9. Oct. 26, 1945. 10 Sml
- 6437 SHEWELL-COOPER, W. E. Here are a dozen first-class apples. Smallholder 74(1860): 9. Nov. 9, 1945. 10 Sml
- 6438 SHEWELL-COOPER, W. E. The pick of the pears. Smallholder 74(1862): 9. Nov. 23, 1945. 10 Sml
- 6439 SHEWELL-COOPER, W. E. Planting up with fruit: land-type and climate must influence choice. Smallholder 74(1858): 11. Oct. 26, 1945. 10 Sml



6440 SHEWELL-COOPER, W. E. The prime needs of plums; plenty of space, good soil. Smallholder 74 (1863): 9. Nov. 30, 1945. 10 Sml

6441 STAHEL, M. Die kirschbaumanlage der gemeinde Villnachern, Aargau. Schweiz. Z. für Obst- u. Weinbau 54: 339-342. Sept. 15, 1945. 80 Sch9

6442 SUDDS, R. H. The effect of Malling I, II and XIII rootstocks on several apple varieties. Amer. Soc. Hort. Sci. Proc. 46: 227-229. Aug. 1945. 81 Sol2

6443 THIES, W. H. Handling the filler problem [in apple orchards]. Maine State Pomol. Soc. Ann. Rpt. 1944: 46-52. 81 L28

6444 TOMALIN, T. E. Start pruning the tree fruits. Pop. Gard. 47: 298. Nov. 17, 1945. 80 G1622

6445 U. S. PATENT OFFICE. Plant patent No. 661. Lammerts, W. E. Peach tree. 2 p., 1 col. pl. Patented Nov. 20, 1945. 156.65 P69

6446 WENCK and WINKELMANN. Physiologische grundgesetze und baumschnitt. Schweiz. Z. für Obst- u. Weinbau 54: 318-320. Sept. 2, 1944. 80 Sch9

#### Fruits--Small

6447 ANLIKER, J., and KOBEL, F. Wuchsstoffversuche mit reberedlungen. Landw. Jahrb. der Schweiz 59: 203-248. 1945. Ref. 17 L23

6448 BLAIR, D. S., and DAVIS, M. B. Bush fruits. Canada. Dept. Agr. Farmers' B. 131, 22 p. Ottawa, 1945. 7 G16F

6449 CAPUS, M. J. Contrôle du rendement. Off. Internatl. du Vin. B. 18(171/174): 61-70. May/Aug. 1945. 390.8 B87

6450 DEMPERS, M. Labores de la fresa. Rancho 1(1): 15-16. Oct. 1945. 8 R15R

6451 HALL, C. J. Province of Quebec, Canada, has maturing cranberry bog. Cranberries 10(7): 8-9. Nov. 1945. 80 C852

6452 HEWITT, W. B., and JACOB, H. E. Effect of zinc on yield and cluster weight in Muscat grapes. Amer. Soc. Hort. Sci. Proc. 46: 256-262. Aug. 1945. 81 Sol2

6453 LES HYBRIDES producteurs directs. B. Agr. des Hautes-Pyrénées, No. 405, p. 104-110. Oct./Nov. 1944. 14 B875  
Of grapes.

6454 JOHNSTON, S. Michigan's cultivated blueberry industry. Amer. Fruit Grower 65(11): 11, 26. 28-29. Nov. 1945. 80 G85

6455 LEZAMA, S. D. El cultivo de la vid. Rancho 1(1): 13-14. Oct. 1945. 8 R15R

6456 MAGISTOCCHI, G. Las zonas vitícolas argentinas; sus características y cepajes predominantes. Vinos, Viñas y Frutas 41: 125-127. Sept./Oct. 1945. 9 Ag89

6457 MAGOON, C. A., DIX, I. W., and MAGNESS, J. R. A study of rootstocks for Concord, Ontario, and Delaware grapes. Amer. Soc. Hort. Sci. Proc. 46: 222-226. Aug. 1945. Ref. 81 Sol2

6458 MENDIZÁBAL, M. F. Medios para aumentar la productividad de los viñedos agotados. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 374. Sept. 27, 1945. 9.9 G15B

6459 OBERLE, G. D. Grafting American grapes on vigorous rootstocks. Farm Res. [N. Y. State Sta.] 11(4): 7-8. Oct. 1, 1945. 100 N48A

6460 SCHELLENBERG, A. Zusammensetzung des rebbestandes in den ostschweizerkantonen. Schweiz. Z. für Obst- u. Weinbau 53: 464-466. Dec. 23, 1944. 80 Sch9

Advantages of grafted plants.

6461 SCHMID, G. Erfahrungen und beobachtungen mit dem drahtbau. Schweiz. Z. für Obst- u. Weinbau 53: 295-299. Aug. 19, 1944. 80 Sch9  
Grape culture.

6462 SCHUTZ, F. Himbeer-neuanlagen. Schweiz. Z. für Obst- u. Weinbau 54: 367-369. Sept. 29, 1945. 80 Sch9

6463 TOMALIN, T. E. A fruit cage is a sound investment. Pop. Gard. 47: 274. Oct. 27, 1945. 80 G1622  
Culture of berries.

6464 TOMALIN, T. E. Pruning the bush and cane fruits. Pop. Gard. 47: 307. Nov. 24, 1945. 80 G1622

6465 TURNBULL, J. Black currants. Gt. Brit. Min. Agr. Agriculture 52: 363-365. Nov. 1945. 10 G79J

6466 VILLACIAN, S. El desbrote de la vid y su importancia. Vinos, Viñas y Frutas 41: 128. Sept./Oct. 1945. 9 Ag89

6467 WHITNEY, D. J. Emperor [grape] growers study resistant rootstock. Calif. Cult. 92: 538-539. Oct. 13, 1945. 6 G12

#### Nuts

6468 BRYNER, W. Der walnussbaum als obstbaum. Schweiz. Z. für Obst- u. Weinbau 53: 229-234. June 24, 1944. 80 Sch9

6469 KELLERHALS, E. Die kultur des nussbaumes im baumschulbetrieb. Schweiz. Z. für Obst- u. Weinbau 53: 284-287. Aug. 5, 1944. 80 Sch9

6470 LOBIT, P. Quelques conseils pour la récolte des châtaignes. B. Agr. des Hautes-Pyrénées, No. 404, p. 85-88. Sept. 1944. 14 B875

6471 M., H. A. Cultivation of cobnut [Corylus avellana grandis]. Gard. Chron. 118: 190-191. Nov. 3, 1945. 80 G162

6472 NATIVIDADE, J. V. Em defesa da castanheiro; o plano de reconstituição dos soutes portugueses. Portugal. Junta Nac. das Frutas. B. 5(3): 3-11. Mar. 1945. 286.3939 P83

6473 OPPENHEIMER, H. Pollination problems of the almond. (In Hebrew.) Hassadeh 26: 19-20. Oct. 1945. 26 H27

#### Ornamental Plants

6474 AHRENDT, MRS. A. Four prairie beauties. Back to Eden 12(5): 2. Dec. 1945. 80 B12

Amorpha canescens, Astragalus canescens, Petalostemon candidus, and P. violaceus.

6475 ALBA, A. F. Exposición de flores panameñas en la Universidad Inter-Americana. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(49): 28. Sept. 1945. 8 R3291

6476 ALFARO, A. Las cactáceas en los cafetales. [Inst. de Defensa del Café de Costa Rica. Rev. 15: 366-369. July/Aug. 1945. 68.28 C82

As hedge plants.

6477 ANDERSON, A. W. The story of the bearded iris. Gard. Chron. Amer. 49: 298-299. Nov. 1945. 80 G1632

6478 ARMBRUSTER, M. E. Annuals tested in 1945. Horticulture 23: 531-532. Dec. 1, 1945. 80 H787

6479 B., L. What will your garden be like in tulip time? Pop. Gard. 47: 302. Nov. 17, 1945. 80 G1622

6480 B., M. L. Best bulbs for naturalizing. Pop. Gard. 47: 293. Nov. 10, 1945. 80 G1622

6481 BALL, G. J. Germinating sweet pea seed. Grower Talks 9(8): 17. Dec. 1945. 80 G91

6482 BAUER, R. House plants. Back to Eden 12(5): 3. Dec. 1945. 80 B12

6483 BAZAN, L. Cultivo de flores de verano. Chacra 15(180): 42-43. Oct. 1945. 9 C34

6484 BENGTON, B. The Christmas holly. Frontiers 10: 45-46. Dec. 1945. 410 F92

6485 BOYD, W. Single versus double flowers for the garden. Gard. Chron. 11: 198. Nov. 10, 1945. 80 G162

- 6486 BRANCH, H. *Aquilegia elegantula*. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 156-157. Sept. 1945. 84 AL6
- 6487 BRANCH, H. *Iris chamaeiris*. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 146-147. Sept. 1945. 84 AL6
- 6488 BRANCH, H. Just another rock plant [*Ramonda pyrenaica*]. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 162-167. Sept. 1945. 84 AL6
- 6489 BRAZELTON, J. S. Plant bulbs inside, too. Kans. Farmer 82(23): 13. Dec. 1, 1945. 6 K13
- 6490 BROWN, J. J. The flowering cherries. Gard. Illus. 64: 686-687. Nov. 1945. 80 G169
- 6491 BYERS, MRS. H. L. Golden rain tree [*Koeleruteria*] in Florida. Horticulture 23: 544. Dec. 1, 1945. 80 H787
- 6492 CLEGG, G. S. Butterfly orchids. Orchid Rev. 53: 139. Nov. 1945. 80 Or15
- 6493 CLEGG, G. S. A further note on *Phalaenopsis*. Orchid Rev. 53: 138-139. Nov. 1945. 80 Or15
- 6494 CROIZAT, L. Winter identification of some climbers. Amer. Nurseryman 82(12): 5-8. Dec. 15, 1945. 80 Am371
- 6495 DARNELL, MRS. J. C. Two worthwhile shrubs [*Berberis* and *Cotoneaster*]. Back to Eden 12(5): 3. Dec. 1945. 80 B12
- 6496 DAY, D. I. Favored perennials of the Gulf area. Seed World 58(11): 22. Dec. 7, 1945. 61.8 Se52
- 6497 DE BEVOISE, F. Sowbread [*Cyclamen*]. Amer. Rock Gard. Soc. B. 3: 94. Nov./Dec. 1945. 81 Am342
- 6498 DENGLER, H. W. Help for the holly. Amer. Forests 51: 604, 617, 619. Dec. 1945. 99.8 F762
- Steps to conserve and increase the supply.
- 6499 DE PETRIS, V. R. A discussion of better chrysanthemum varieties. Florists Exch. 105(25): 12, 45. Dec. 22, 1945. 80 F666
- 6500 DOWNER, H. E. Plant for permanence: mountain *Andromeda*. Flower Grower 32: 583. Dec. 1945. 80 M72
- 6501 DUNCOMB, M. Columbine [*Aquilegia*] - the fairy flower. Back to Eden 12(5): 1-2. Dec. 1945. 80 B12
- 6502 EIFRIG, C. W. G. The Cherokee bean. Amer. Bot. 51: 88-90. Oct. 1945. 450 Am33
- 6503 FAWCETT, J. M. The holly and the mistletoe. Homes and Gard. 27(7): 35. Dec. 1945. 318.8 Ou7
- 6504 FENNER, C. City [Lansing, Mich.] floral program sustained during the war. Parks and Recreation 28: 328-330. Nov./Dec. 1945. 98.8 P23
- 6505 FENSKA, R. R. The winter care of trees. Horticulture 23: 533-534. Dec. 1, 1945. 80 H787
- 6506 FOX, W. *Embothrium coccineum*. Roy. Hort. Soc. J. 70: 289-290. Oct. 1945. 84 L845
- 6507 FRYE, E. M. *Vaccinium vitis-idaea*. Amer. Rock Gard. Soc. B. 3: 93. Nov./Dec. 1945. 81 Am342
- 6508 GALETIA de flores nacionales. Guatemala y China. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 537-538. June/July 1945. 8 G934
- Lycaste skinneri* and *Prunus mume*.
- 6509 GARDNER, E. E. My alpine garden. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 182-183. Sept. 1945. 84 AL6
- 6510 GARNETT, C. S. Orchids for the rock garden and alpine house. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 129-145. Sept. 1945. 84 AL6
- 6511 GREENE, MRS. R. W. Flowers of Guatemala. Gard. Club Amer. B., ser. 10, No. 3, p. 33-38. Nov. 1945. 90.32 G16
- 6512 GREGORY, L. E., and OVERBEEK, J. VAN. An analysis of the process of root formation on cuttings of a difficult-to-root *Hibiscus* variety. Amer. Soc. Hort. Sci. Proc. 46: 427-433. Aug. 1945. 81 Sol2
- 6513 H., P. Raise your own shrubs from seed. Pop. Gard. 47: 277. Oct. 27, 1945. 80 G1622
- 6514 H., V. *Jankaea* and *Ramonda*. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 159-161. Sept. 1945. 84 AL6
- 6515 HALL, H. Hybrid *euphorbias*. Gard. Chron. 118: 158. Oct. 13, 1945. 80 G162
- 6516 HAMBLIN, S. F. [Garden flowers of the whole spectrum.] Lexington Leaflets 15: 25-28. July 14, 1945. 80 L59
- 6517 HAMBLIN, S. F. [How are new varieties made?] Lexington Leaflets 15: 29-32. July 28, 1945. 80 L59
- 6518 HAMBLIN, S. F. [Hybrid making in your garden.] Lexington Leaflets 15: 33-36. Aug. 11, 1945. 80 L59
- 6519 HAMBLIN, S. F. [New hybrids in our garden flowers.] Lexington Leaflets 15: 37-40. Aug. 25, 1945. 80 L59
- 6520 HAMILTON, G. The ancient ginkgo. Family Herald and Weekly Star 76(47): 7. Nov. 21, 1945. 7 F21
- 6521 HART, MRS. P. Hardy cyclamen. Gard. Club Amer. B., ser. 10, No. 3, p. 38-39. Nov. 1945. 90.32 G16
- 6522 HILL, L. C. Mexico, thank you for *Tigridia*. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 183-184. Sept. 1945. 84 AL6
- 6523 HOLLEY, W. D. How to grow wax begonias indoors. Flower Grower 32: 574-575, 600-601. Dec. 1945. 80 M72
- 6524 HOMAN, C. Problems of tulip culture in Oregon. Oreg. Dept. Agr. Agr. B. 148, p. 24-26. Dec. 1945. 2 Or3
- 6525 HOWE, H. Tree care--with particular reference to these post-war times. Arborist's News 10: 89-91. Dec. 1945. 99.8 Ar14
- 6526 HUGGINS, M. I. *Kuei-hua* [*Osmanthus fragrans*], fragrant shrub from China. Nature Mag. 38: 485-486. Nov. 1945. 409.6 N214
- 6527 IDDLES, MRS. A. Restoring limp African violets. Horticulture 23: 531-532. Dec. 1, 1945. 80 H787
- 6528 JAFFRAY, MRS. E. S. *Lactuca stolonifera*. Gard. Club Amer. B., ser. 10, No. 3, p. 29-30. Nov. 1945. 90.32 G16
- 6529 JONES, R. W. Orchids for beginners. Amer. Orchid Soc. B. 14: 226-228. Nov. 1, 1945. 80 Am329
- 6530 JUKES, T. Ingleborough after twenty-five years. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 149-152. Sept. 1945. 84 AL6
- Rock gardens at home of Reginald Farrer.
- 6531 KNIGHT, F. P. The vegetative propagation of flowering trees and shrubs. Roy. Hort. Soc. J. 70: 319-330. Nov. 1945. 84 L84J
- 6532 LAZENBY, F. Rare *Sedum* for rock gardens. Horticulture 23: 532. Dec. 1, 1945. 80 H787
- 6533 LIDDELL, R. W. Germinating and raising orchid seedlings in a bedroom. Amer. Orchid Soc. B. 14: 223-225. Nov. 1, 1945. 80 Am329
- 6534 LINK, C. B. Chrysanthemums and winter hardiness. Chrysanthemum Soc. Amer. B. 13(3): 9-10, processed. Third quart., 1945. 81 C46B
- 6535 A LITTLE-KNOWN summer flowering bulb which is a gem; *Ismene* or Peruvian daffodils (*Hymenocallis calathina*). By the Master Gardener. Hort. News 11: 116. Nov. 1945. 80 H7815
- 6536 MCFARLAND, F. E. Snapdragon culture. Florists' Rev. 97(2505): 44. Nov. 29, 1945. 80 W41



- 6537 MCFARLAND, J. H. Roses in the rock garden. Amer. Rock Gard. Soc. B. 3: 90-91. Nov./Dec. 1945. 81 Am342
- 6538 MCFARLAND, J. H. Unusual creeping roses. Flower Grower 32: 581, 598. Dec. 1945. 80 M72
- 6539 MCLAREN, M. Slabs [for rock gardens]. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 178-181. Sept. 1945. 84 AL6
- 6540 MOORE, MRS. C. E. Care of fibrous and rhizomatous begonias. Begonian 12: 205-206. Nov. 1945. 96.511 B39
- 6541 MUHLSTEIN, T. Bearded iris--the parade to progress. Utah Farmer 65(8): 8. (Concl.) Nov. 25, 1945. 6 D45
- 6542 NATIONAL dahlia honor roll. Flower Grower 32: 576-580, 594. Dec. 1945. 80 M72
- Eastern selections, by L. B. Dudley; Mid-West honor roll, by J. L. Roberts; Pacific Coast honor roll, by R. T. Eddy.
- 6543 NOECKER, N. L. Baskets and pots for orchid culture. Amer. Orchid Soc. B. 14: 229-231. Nov. 1, 1945. 80 Am329
- 6544 P., B. W. Roses our expert recommends; some of the best up-to-date varieties. Pop. Gard. 47: 294. Nov. 10, 1945. 80 G1622
- 6545 PEACOCK, E. W. Romance of the rose. South. Home and Gard. 13(5): 22, 37. Nov./Dec. 1945. 80 So824
- 6546 PEACOCK, F. M. Primula X venusta. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 155. Sept. 1945. 84 AL6
- 6547 PEBERDY, G. M. Holiday bounty [Christmas greens] from the garden. House & Gard. [Greenwich] 88(6): 110-111, 153-160. Dec. 1945. 80 H81
- 6548 PEYTON, G. W. Some notes on the newer peonies. Amer. Peony Soc. B. 99, p. 3-6. Sept. 1945. 81 Am38B
- 6549 PRIDHAM, A. M. S. Fall planting [of ornamentals]. Hort. News 11: 114. Nov. 1945. 80 H7815
- 6550 PULSE, MRS. C. O. How to make Christmas cacti bloom by Christmas. Cactus and Succulent J. 17: 156. Nov. 1945. 451 C11
- 6551 RIES, V. H. Amaryllis. Hort. News 11: 122. Dec. 1945. 80 H7815
- 6552 RIES, V. H. Cactus in the home. Hort. News 11: 115, 118. Nov. 1945. 80 H7815
- 6553 ROBERSON, F. K. Indoor gardening with conifers. Northwest Gard. 13(9): 9, 30. Nov. 1945. 80 N813
- 6554 ROBERTS, J. G. Some suggestions for growing alpine. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 185-186. Sept. 1945. 84 AL6
- 6555 ROLAND, R. H. Growing bittersweet [Celastrus scandens]. Florists' Rev. 97(2504): 38-39. Nov. 22, 1945. 80 W41
- 6556 ROSE, F. H. Lewisia rediviva. Amer. Rock Gard. Soc. B. 3: 92-93. Nov./Dec. 1945. 81 Am342
- 6557 ROWNTREE, L. In search of wild flowers [in California]. Gard. Illus. 64: 690-691. Nov. 1945. 80 G169
- 6558 RUPP, H. M. R. What is an orchid? Austral. Orchid Rev. 10: 53-54. Sept. 1945. 80 Au73
- 6559 SANFORD, MRS. F. M. Nandinas from seed. Back to Eden 12(5): 3. Dec. 1945. 80 B12
- Includes Iris from seed.
- 6560 SAXTON, R. What a difference a few years make! Pop. Gard. 47: 278. Oct. 27, 1945. 80 G1622
- Landscape gardening.
- 6561 SHOOK, M. S. Be fair to roses. Home Gard. for South 5: 198-199, 207, 210, 212. Nov. 1945. 80 H755
- 6562 SHURLY, E. Cacti in England. Cactus and Succulent J. 17: 155-156. (To be cont.) Nov. 1945. 451 C11
- 6563 SLATE, G. L. Lily progress; new varieties and hybrid strains of proven merit. Flower Grower 32: 530-531, 557. Nov. 1945. 80 M72
- 6564 SNYDER, L. C. Let's add color to the winter garden. Minn. Hort. 73: 136. Nov. 1945. 81 M66
- 6565 STIRLING, W. Coelia baueriana. Orchid Rev. 53: 154-155. Dec. 1945. 80 Or15
- 6566 STUNTZ, M. F. Surprise peonies. Amer. Peony Soc. B. 99, p. 6-7. Sept. 1945. 81 Am38B
- 6567 TEUSCHER, H. The raising of summer-flowering annuals. Montreal Bot. Gard. B. 21, 5 p., processed. Montreal, 1945. 451 M765Fe
- 6568 TEUSCHER, H. Raising plants from seeds. Montreal Bot. Gard. B. 22, 6 p., processed. Montreal, 1945. 451 M765Fe
- 6569 THOMAS, G. S. Crevice planting; a selection of useful and beautiful plants to furnish the vertical positions in the rock garden. Gard. Illus. 64: 685-686. Nov. 1945. 80 G169
- 6570 TOMALIN, T. E. Winter greenhouse management. Pop. Gard. 47: 290. Nov. 10, 1945. 80 G1622
- 6571 TOWLE, D. S. A flower pot, a sunny window and a few simple rules. Amer. Home 35(1): 59-60. Dec. 1945. 80 Am313
- 6572 TRENN, F. B. Is our native sugar maple a suitable tree for planting in memorial groves? Wis. Hort. 36: 79. Nov. 1945. 80 W752
- 6573 U. S. PATENT OFFICE. Plant patents. 3 Nos. 1945. 156.65 P69
- Contents: No. 663. Howard, F. H. Rose plant. 1 p., 1 col. pl. Patented Dec. 11; No. 664. Duehrsen, C. G. Rose plant. 2 p., 1 col. pl. Patented Dec. 25; No. 665. Howard, F. H. Rose plant. 1 p., 1 col. pl. Patented Dec. 25.
- 6574 VAN LOON, N. R. From commiseration to ecstasy. Amer. Peony Soc. B. 99, p. 18-20. Sept. 1945. 81 Am38B
- Peony varieties.
- 6575 W., A. L. Tulips for spring colour. Gard. Illus. 64: 693-694. Nov. 1945. 80 G169
- 6576 WALLACE, R. W. Lilies. Roy. Hort. Soc. J. 70: 291-295. Oct. 1945. 80 L845
- 6577 WHERRY, E. T. Saxiflora No. 26. Jasione perennis. Amer. Rock Gard. Soc. B. 3: 88-89. Nov./Dec. 1945. 81 Am342
- 6578 WHITE, C. T. A new variety of Dendrobium phalaenopsis (Fitzg.). Austral. Orchid Rev. 9: 34-35. Sept. 1944. 80 Au73
- 6579 WHITE, O. E. Rock gardening in Virginia. Amer. Rock Gard. Soc. B. 3: 81-83. Nov./Dec. 1945. 81 Am342
- 6580 WHITEHEAD, S. B. Planning and planting the herbaceous border. Field 186: 401. Oct. 20, 1945. 10 F45
- 6581 WICKS, A. T. Grow these never-fail roses for weeping standards. Pop. Gard. 47: 309. Nov. 24, 1945. 80 G1622
- 6582 WILKIE, D. Difficult plants for the enterprising amateur. Roy. Hort. Soc. J. 70: 284-289. Oct. 1945. 84 L845
- 6583 WILLIAMS, L. O. Visiting your neighbor--Angelo Rinaldi--São Paulo, Brazil. Amer. Orchid Soc. B. 14: 234-235. Nov. 1, 1945. 80 Am329
- Includes description of his orchid house and collection.
- 6584 WILSON, H. VAN P. House plants from your kitchen. Woman's Day 9(3): 52, 76. Dec. 1945. 321.8 W842
- 6585 WOOD, C. W. Some ornamental plants you should know. Amer. Nurseryman 82(11): 18-21. Dec. 1, 1945. 80 Am371

- 6586 WOODROFFE, F. B. Ivies for every room. Better Homes & Gardens 24(4): 26-27, 95. Dec. 1945. 80 F9424
- 6587 WOODWARD, H. R. Some interesting facts about the carrion flower, *Smilax herbacea*. N. and S. Dak. Hort. 18: 168. Nov. 1945. 81 N817
- 6588 WOOLMAN, J. Florists' flowers. VI. Chrysanthemums. Roy. Hort. Soc. J. 70: 296-297. Oct. 1945. 80 L845
- 6589 WYMAN, D. Growth and general performance of plant materials used as hedges. Amer. Soc. Hort. Sci. Proc. 46: 423-426. Aug. 1945. 81 Sol2
- Vegetable and Truck Crops (Including Potatoes)
- 6590 AFRICAN squashes offer good plant breeding material. Seed World 56(11): 12. Dec. 7, 1945. 61.8 Se52
- Squashes seen in North Africa by Dr. L. C. Curtis of the Connecticut Agricultural Experiment Station.
- 6591 ALBRIGHT, A. A. Onion production in Washoe County, Oregon. Market Growers J. 74(12): 15, 35, 39. Dec. 1945. 6 M34
- 6592 ALGERIA. DIRECTION DE L'AGRICULTURE. Production des légumes secs en Algérie. Algeria. Dir. de l'Agr. Docs. et Renseign. Agr. B. 117, 19 p. Alger, 1945. 24 AL34
- Culture.
- 6593 ANDREWS, J. A., JR. Broccoli by Richards. Market Growers J. 74(12): 9, 47. Dec. 1945. 6 M34
- 6594 ASHKENAZI, H. Questions relating to potato-growing in the autumn. (In Hebrew.) Hassadeh 25: 551-554. Aug./Sept. 1945. 26 H27
- 6595 BALBOA, V. El espárrago. Surco [Madrid] 4(41): 10-12. July 1945. 15 Su7
- 6596 BARBERENA, M. A. Carbanzo (*Cicer arietinum*). Agr. Mex. 61(10): 15-17. Oct. 1945. 8 Ag8
- 6597 BECKENBACH, J. R. Florida AES to release new high yield tomatoes; limited seed samples available by next spring. South. Seedsman 8(12): 18, 48. Dec. 1945. 61.8 So8
- 6598 BLACKWOOD, B. B. Things that ain't so about [vegetable gardening]. Farmer-Stockman 58: 410. Nov. 1945. 6 Ok45
- 6599 BOROVSKY, J. Actual problems of vegetable growing. (In Hebrew.) Hassadeh 26: 13-15. Oct. 1945. 26 H27
- 6600 BOUQUET, A. G. B. Quality control of processed vegetables starts in the field. Canner 101 (23): 15. Nov. 24, 1945. 286.83 C16
- 6601 CAMPBELL, J. C. Potato variety tests in 1945. Hints to Potato Growers 26(7): 3-4. (To be cont.) Nov. 1945. 75.9 H59
- 6602 CAPULER, B. In the vegetable gardens. (In Hebrew.) Hassadeh 26: 11-13. Oct. 1945. 26 H27
- 6603 CESAR, H. P. Os mycorrhizas e a tubérização. Rev. Rural Bras. 35(301): 22. Sept. 1945. 9.2 B733
- Potato culture in Brazil.
- 6604 COOK, M. T. Historia de la papa. Agr. Mex. 61(9): 24-28. Sept. 1945. 8 Ag8
- 6605 COSTA, C. C. A batata-semente em Montalegre. Portugal. Junta Nac. das Frutas. B. 5(3): 17-25. Mar. 1945. 296.3939 P63
- 6606 DEAN, D. Seed cutting [of potatoes]. Iowa State Hort. Soc. Trans. (1944) 79: 320-321. 81 Io9
- Discussion, p. 321-322.
- 6607 DOERY, A. C. Vegetable growing on the Koo-wee-rup Swamp. Victoria. Dept. Agr. J. 43: 429-438. Oct. 1945. 23 V66J
- 6608 EIRE. DEPT. OF AGRICULTURE. Early potato-growing. Eire. Dept. Agr. Leaflet 19, 6 p. Dublin, 1945. 10.5 Ir42
- 6609 ETTINGER, J., SELINGER, A., and KLINKOVITZ-KY, S. Directions for the growing of autumn potatoes. (In Hebrew.) Hassadeh 25: 550-551. Aug./Sept. 1945. 26 H27
- 6610 F., A. G. It's time to start digging again to make sure of best quality vegetables next year. Pop. Gard. 47: 276. Oct. 27, 1945. 80 G1622
- 6611 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Parsnips. Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflets 151, 4 p. London, 1945. 10 G79La
- 6612 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Winter (broccoli) and summer cauliflower. Gt. Brit. Min. Agr. and Fisheries B. 131, 16 p. London, 1945. 10 G79AB
- 6613 HULL, F. H. Sweet corn varieties. Market Growers J. 74(12): 8, 36. Dec. 1945. 6 M34
- 6614 I'M NOT so keen on autumn sowings of vegetables. By Cash-cropper. Smallholder 74(1858): 10-11. Oct. 26, 1945. 10 Sm1
- 6615 ISBELL, C. L. Propagating cabbage by root cuttings. Amer. Soc. Hort. Sci. Proc. 46: 341-344. Aug. 1945. 81 Sol2
- 6616 JEHLE, R. A., and STEVENSON, F. J. The Potomac potato. Amer. Potato J. 22: 261-266. Sept. 1945. 75.8 P842
- 6617 KANGAS, J. T. Marygold: two-crop potato; trial seed for new southern "natural" should be available within few months. South. Seedsman 8(12): 13. 32. Dec. 1945. 61.8 So8
- 6618 KRANTZ, F. A. Better potatoes are on the way. Minn. Farm and Home Sci. [Minn. Sta.] 3(1): 6-7. Oct. 15, 1945. 100 M668
- 6619 L., W. L. Best onions for keeping. Pop. Gard. 47: 275. Oct. 27, 1945. 80 G1622
- 6620 LAZARSON, H. Growing cucumbers in the autumn at Beit-Alpha. (In Hebrew.) Hassadeh 25: 554-556; 26: 15-17. Aug./Sept. Oct. 1945. 26 H27
- 6621 LOBIT, P. Pour accroître nos ressources alimentaires. B. Agr. des Hautes-Pyrénées, No. 403, p. 55-57. July 1944. 14 B875
- Cultivation of carrots in France.
- 6622 LOBIT, P. La production commerciale de la pomme. B. Agr. des Hautes-Pyrénées, No. 400, p. 5-8. (To be cont.) Jan./Feb. 1944. 14 B875
- 6623 LORENZ, O. A. Effect of planting depth on yield and tuber set of potatoes. Amer. Potato J. 22: 343-349. Nov. 1945. 75.8 P842
- 6624 MELONES y sandías. Chacra 15(180): 28-29. Oct. 1945. 9 C34
- 6625 MEUNISSIER, A. L'igname de chine. Petit Casablancais 30(1237): 4. Nov. 10, 1945. 280.8 P44
- Cultivation.
- 6626 MONTELARO, J. C-5: onion aristocrat; Louisiana's Creole strain produces new heavy yielder, good keeper. South. Seedsman 8(11): 14, 40. Nov. 1945. 61.8 So8
- 6627 NEUWEILER, E. Kartoffelanbauversuche der Vereinigung Schweizerischer Versuchs- und Vermittlungsstellen für Saatkartoffeln. Landw. Jahrb. der Schweiz 58: 865-889. 1944. 17 L23
- Seventh report of Switzerland, Eidgenössische Landwirtschaftliche Versuchsanstalt, Zürich-Oerlikon.
- 6628 NORMAN, C. Reader's new giant bush [Norman Wonder] tomato. Smallholder 74(1859): 6. Nov. 2, 1945. 10 Sm1
- 6629 OBA, G. I., RINER, M. E., and SCOTT, D. H. Experimental production of hybrid tomato seed. Amer. Soc. Hort. Sci. Proc. 46: 269-276. Aug. 1945. 81 Sol2
- 6630 FERRONNE, P. Culture de la tomate. Algeria, Dir. de l'Agr. Docs. et Renseign. Agr. B. 41, rev. ed., 18 p. Alger, 1945. 24 AL34



- 6631 PETERBURGSKY, A. Seeking high and staple potato yields. Smallholder 74(1860): 10. Nov. 9, 1945. 10 Sml  
Based on report of A. Lorkh to "a recent conference at the Timiryazev Agricultural Academy of Moscow."
- 6632 R., S. W. How to blanch endive. Pop. Gard. 47: 300. Nov. 17, 1945. 80 G1622
- 6633 RAEDER, J. M. Experiment Station staff member cites potato history highlights. Idaho Agr. Col. News Let. 30(6): 1-2. Nov. 1945. 276 I413N
- 6634 RAINE, J. Experiments with dried potato eyes. Roy. Hort. Soc. J. 70: 315. Nov. 1945. 84 L84J
- 6635 READ, I. W. The cultivation of melons. Roy. Hort. Soc. J. 70: 338-339. Nov. 1945. 84 L84J
- 6636 REES, J. Prospects of seed potato growing in Glamorgan. Glamorgan Farmer 9: 59. 1945. 10 G45
- 6637 RICK, C. M. Field identification of genetically male-sterile tomato plants for use in producing  $F_1$  hybrid seed. Amer. Soc. Hort. Sci. Proc. 46: 277-283. Aug. 1945. 81 S42
- 6638 ROBINSON, R. A. Forced rhubarb for next spring. Smallholder 74(1862): 10. Nov. 23, 1945. 10 Sml
- 6639 SANNAC, G. Quelle variété de pommes de terre devons-nous cultiver? B. Agr. des Hautes-Pyrénées, No. 400, p. 1-4. Jan./Feb. 1944. 14 B875
- 6640 SHAW, F. New varieties for potato growers. Farm and Ranch 64(11): 40. Nov. 1945. 6 T31
- 6641 SIDWELL, R. W. Tomatoes in Worcestershire. N. F. U. Rec. 24: 34-35. Nov. 1945. 281.8 N21
- 6642 SPAIN. INSTITUTO NACIONAL DE COLONIZACIÓN. Huertos familiares. Spain. Inst. Nac. de Colon. I. N. C. P. (ser. 3), No. 5, 24 p. Madrid, n. d. 280.9 Spl1
- 6643 SPECIALISED FARMING. IV. Certified seed potatoes. North. Ireland. Min. Agr. Monthly Rpt. 20: 200-203. Nov. 1945. 256.13 Ag82M
- 6644 TAPLEY, W. T. 1945 bean trials reveal some advantages of refugee type. Farm Res. [N. Y. State Sta.] 11(4): 11. Oct. 1, 1945. 100 N48A
- 6645 VALLE, G. DEL. Tipos cubanos de maíz (maíz dulce). Cuba. Min. de Agr. Rev. (ser. 4) 28 (3): 4-10. July/Sept. 1945. 8 Ag88Re
- 6646 W., S. B. Try an autumn sowing of broad beans. Pop. Gard. 47: 308. Nov. 24, 1945. 80 G1622
- 6647 WHITE, C. Three decades of growing celery. Better Farms 6(11): 3, 4. Nov. 1, 1945. 6 B462
- 6655 HOPKINS, J. C. F. Noxious weeds. Rhodesia Agr. J. 42: 272-277. July/Aug. 1945. 24 R34
- 6656 JORDAN, H. M. Southeastern seed control officials push uniform noxious weed seed regulations. South. Seedsman 8(12): 20, 42. Dec. 1945. 61.8 So8
- 6657 LAPINE, L. J. Utah's new noxious weed list. Seed World 58(11): 26. Dec. 7, 1945. 61.8 Se52
- 6658 LEONARD, O. A., and HERZER, F. H. The hormone weed killer, 2, 4-D. Miss. Farm Res. [Miss. Sta.] 8(10): 2. Oct. 1945. 100 M69M1
- 6659 LONG, H. C. Latest information about methoxone; new weedkiller selects invaders, leaves corn crops alone. Smallholder 74(1858): 16. Oct. 26, 1945. 10 Sml
- 6660 NEATBY, K. W. Applying knowledge to weed control. Seedtime and Harvest, No. 133, 1 p. Winnipeg, 1945. 7 Se3
- 6661 PARKER, K. W. Juniper comes to the grasslands; why it invades southwestern grassland; suggestions on control. Amer. Cattle Prod. 27(6): 12-14, 30-32. Nov. 1945. 49 P94
- 6662 PESCOTT, E. E. Readers tell of [livestock] poisoning by the sugar gum [Eucalyptus cladocalyx]. Stock and Land 35(35): 2. Aug. 29, 1945. 49 St63
- 6663 EL SORGO de Alepo. Chacra 15(180): 33. Oct. 1945. 9 C34
- 6664 STAHLIN, A. Feststellung der Todesursache von Haustieren und wild. Thür. Landesanst. f. Pflanzenbau u. Pflanzenschutz. Arb. 3, 69 p. Jena, 1944. Ref., p. 61-69. 451 T422  
Plants poisonous to livestock.
- 6665 STURGES, MRS. R. Weeds. Gard. Club Amer. B., ser. 10, No. 3, p. 31-32. Nov. 1945. 90.32 G16
- 6666 TILT, J. Weed control in barley by means of a selective spray [Dinoc]. Tasmanian J. Agr. 16: 112-114. Aug. 1, 1945. 23 T182
- 6667 TIMSON, S. D. Trap-cropping to control witchweed [Striga asiatica]. Rhodesia Agr. J. 42: 278-287. July/Aug. 1945. 24 R34
- 6668 WILLS, H. New chemical [2, 4-D] may control bindweed. Farmer-Stockman 58: 477. Dec. 1945. 6 Ok45
- 6669 YOUNG, V. A. Science must rise to check this range menace [St. Johnswort]. Wash. Farmer 70, 1. e. 80: 645. Dec. 6, 1945. 6 R151
- MISCELLANEOUS ECONOMIC PLANTS  
(Drug, Dye, Rubber, Etc.)
- 6670 ARMITAGE, F. D. The microscopy of vegetable foods and drugs. Part XVIII. Cinnamon bark. Indus. Chem. and Chem. Mfr. 21: 533-537. (To be cont.) Oct. 1945. 382 In22
- 6671 BERGAMINO GIURIA, A. Un año de ensayos con cultivos de plantas medicinales. Uruguay. U. Facul. de Agron. Rev., No. 39, p. 69-111. Feb. 1945. 102.5 M76R
- 6672 BIAGGINI, A. Explotación racional del caucho. Agr. Venezol. 9(107/108): 17, 43. Mar./Apr. 1945. 9.95 Ag8  
Government regulations for tapping Hevea.
- 6673 BLASCO DE BORRAS, M. La morera, posible fuente de ingreso. Puerto Rico. Dept. de Agr. y Com. B. de Com. 2(11): 6, 18-19, 33. 1945. 286.9 P96
- 6674 CANO, J. Ensayos de cultivos industriales El Salvador. Inst. Tec. An. 1(1): 71-98. 1944. 8 Sa34
- 6675 CASTILLON, G. Les plantes medicinales. B. Agr. des Hautes-Pyrénées, No. 406, p. 131-136. Dec. 1944. 14 B875
- 6676 COELHO, C. Influência do espaçamento na cultura de mandioca. Pernambuco. Sec. de Agr., Indús. e Com. B. 12: 119-121. Apr./June 1945. 9.2 P423

## WEEDS AND POISONOUS PLANTS

- 6648 ASLANDER, A. Klorattr#da eller icke? Lantmannen 29: 841-842. Sept. 22, 1945. 11 L234  
Weed control in fallow fields by using chlorate.
- 6649 BROOKINS, W. W. Weeds, a tool for teaching high school agriculture. Visitor, v. 33, No. 1, 4 p. Oct. 1945. 275.8 V822
- 6650 CLUTE, W. N. Spanish needles [Bidens bipinnata]. Amer. Bot. 51: 87-88. Oct. 1945. 450 Am33
- 6651 CLUTE, W. N. Vegetation on the move. Amer. Bot. 51: 90-95. Oct. 1945. 450 Am33  
Includes list of 78 weeds appearing on a small tract of land allowed to go back to nature after five years of cultivation.
- 6652 GOLDHAAR, A. Magic with chemicals. Be-  
gonian 12: 215. Nov. 1945. 96.511 B39  
2, 4-D as herbicide.
- 6653 HARPER, H. J. 2, 4-D kills stinging net-  
tles. Farmer-Stockman 58: 437. Nov. 1945. 6 Ok45
- 6654 HEALY, A. J. Agriculture's nomads  
[weeds]. Straight Furrow 4(11): 7. Sept. 15, 1945. 281.8 St8

- 6677 CORLETO ARAGÓN, E. A. Poda inicial del cafeto. Café de El Salvador 15: 351-352. Aug. 1945. 68.28 C112
- 6678 CORSE, M. Window garden of herbs. Better Homes & Gardens 24(4): 82-84. Dec. 1945. 80 F9424
- 6679 DE SILVA, C. A. Comparison of [Hevea] tapping systems. Rubber Res. Scheme, Ceylon, Q. C. 22: 4-11. June 1945. 78.9 C33Q  
Field experiments on Dartonfield Estate - XXVII.
- 6680 DEVOTO, F. E. El poroto batata; Pachyrhizus erosus. Chacra 15(180): 65, 69. Oct. 1945. 9 C34
- 6681 DRUMMOND, M. J. Grass tree [Xanthorrhoea] resin. Walkabout 11(9): 34. July 1, 1945. 331.8 W15
- 6682 FERNANDEZ DE LA FUENTE, V. El ajo. Agr. Venezol. 9(107/108): 35-36. Mar./Apr. 1945. 9.95 Ag8
- 6683 FORD, C. E. Ceylon [Hevea] clones. XI. Rubber Res. Scheme, Ceylon, Q. C. 22: 22-25. June 1945. 78.9 C33Q
- 6684 FRISON, E. La production éventuelle de pâtes à papier au Congo belge. B. Agr. du Congo Belge 35: 183-204. Mar./Dec. 1944. 24 K83  
Describes 41 plants generally used for paper.
- 6685 GATTEFOSSÉ, J. Présentation de quelques plantes médicinales de nos jardins familiaux. Soc. d'Hort. et d'Acclim. du Maroc. B. 32: 44-46. Second quart. 1945. 87 Sol
- 6686 HACQUART, A. Considérations relatives aux plantations serrées d'Hevea au Congo. B. Agr. du Congo Belge 35: 112-117. Mar./Dec. 1944. 24 K83
- 6687 HAUSLER, A. "Rubber mills" of Papua. Walkabout 11(12): 14-15. Oct. 1, 1945. 331.8 W15  
Hevea tapping.
- 6688 HILLS, K. L. A note on vegetative propagation and tree form in Duboisia spp. Austral. Council Sci. and Indus. Res. J. 18: 230-233. Aug. 1945. 514 Au72J
- 6689 LIGER, P. La culture industrielle du roseau commun [Arundo donax]. Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc. 15: 182-183. Sept. 1945. 80 F9482  
Source of cellulose for paper manufacture.
- 6690 LA MANDIOCA puede constituir la base de grandes industrias. Chacra 15(180): 35, 47. Oct. 1945. 9 C34
- 6691 MARSHALL, A. Duboisia hopwoodii, the "onium" plant of the Kalkadoon aborigines. Walkabout 11(10): 35. Aug. 1, 1945. 331.8 W15
- 6692 MARTY, A. Remarques sur l'obtention et l'appréciation de l'essence de chenopode vermifuge. Soc. de Phys. et d'Hist. Nat., Genève. Compt. Rend. 61: 81-83. Apr./July 1944. 508 G28C  
Chenopodium ambrosioides anthelminticum.
- 6693 MAXIMOV, N. A., RAKITIN, G. V., and TUREZKAJA, R. KH. An attempt to study methods for cultivating gladioli as a new raw stuff for the production of vitamin C. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 116-119. 1945. 511 P444
- 6694 MERRILL, S., JR., ANGELO, E., and GREER, S. R. Care in transplanting reduces mortality and improves growth in tung trees. Amer. Tung Oil Assoc. Proc. 1945: 1-4, processed. 77.9 Am32
- 6695 MR. A. Les luffas ou éponges végétales. Soc. d'Hort. et d'Acclim. du Maroc. B. 32: 41-43. Second quart. 1945. 87 Sol
- 6696 OVERCASH, J. P. Propagation and culture of garden sage [Salvia officinalis] in Tennessee. Amer. Soc. Hort. Sci. Proc. 46: 345-349. Aug. 1945. 81 Sol2
- 6697 PAINTER, J. H., and NEFF, M. S. Results of experiments on pruning and training of tung trees. Amer. Tung Oil Assoc. Proc. 1945: 5-9, processed. 77.9 Am32
- 6698 PELLETT, F. C. Honey plants on farm lands. Amer. Bee J. 85: 431. Dec. 1945. 424.8 Am3  
Beekeeper can stabilize his bee pasture.
- 6699 PELLETT, F. C. Legumes in the [honey plant] test garden. Iowa State Hort. Soc. Trans. (1944) 79: 272-291. 81 Io9
- 6700 PELLETT, F. C. Progress in honey plant garden. Iowa State Hort. Soc. Trans. (1944) 79: 258-272. 81 Io9
- 6701 PLANTAS medicinales; el saúco y el eucaliptus. Rincón Campesino 6(58): 18. Sept. 1945. 8 R47
- 6702 POTTER, G. F., and others. Plant only the very best tung trees. Amer. Tung Oil Assoc. Proc. 1945: 16-20, processed. 77.9 Am32  
H. L. Crane, J. R. Large, and S. Merrill, Jr., joint authors.
- 6703 POTTER, G. F., and CRANE, H. L. Tung orcharding in the post-war period. Amer. Tung Oil Assoc. Proc. 1945: 21-26, processed. 77.9 Am32
- 6704 RANGHEL GALINDO, A. Cultivos e industrias forestales y su adaptación en la post-guerra. Agr. Trop. 1(9): 39-44. Oct. 1945. 26 Ag8  
Includes rubber, fibers, fats and oils, tanning material, and wood.
- 6705 RICHARDSON, S. L. Australia grows ginger. Walkabout 11(10): 9-10. Aug. 1, 1945. 331.8 W15
- 6706 ROBINSON, R. A. Winter mint for market; a heated glasshouse crop. Smallholder 74(1858): 10-11. Oct. 26, 1945. 10 Sml
- 6707 ROCHA GARCÍA, G. DE LA. El cultivo del cube [Lonchocarpus utilis] en la zona Tingo María. Agronomía [Lima] 10(43): 47-54. Sept. 1945. 9.8 Ag83
- 6708 SHARP, C. C. T. An intensive [Hevea] tapping experiment. Rubber Res. Scheme, Ceylon, Q. C. 22: 11-17. June 1945. 78.9 C33Q
- 6709 SHARP, C. C. T. A note on upward tapping [of Hevea]. Rubber Res. Scheme, Ceylon, Q. C. 22: 18-21. June 1945. 78.9 C33Q
- 6710 STONE, R. C. Cinchona--world's most precious tree. Forest & Outdoors, Nov. 1945. p. 290. 99.8 C16
- 6711 T. A. Using prickly pear. Walkabout 11(9): 40. July 1, 1945. 331.8 W15
- 6712 LA VALERIANA oficial y el "Mancú-lamén"; calmantes nerviosos. Chacra 15(180): 70-71. Oct. 1945. 9 C34  
Valeriana officinalis and V. carnosa.
- 6713 WIMBUSH, S. H. The African alpine bamboo [Arundinaria alpina]. Empire Forestry J. 24(1): 33-39. July 1945. 99.8 Em72
- 6714 WOOD, E. J. F. The sources of agar in Australia. Austral. Council Sci. and Indus. Res. J. 18: 263-272. Aug. 1945. 514 Au72J

## SOILS AND FERTILIZERS

### SOIL SCIENCE

#### Soil Physics

- 6715 GONZALO SALAS, C. Sobre lo que es el suelo. Agr. Venezol. 9(107/108): 48. Mar./Apr. 1945. 9.95 Ag8
- 6716 SOKOLOV, N. N. Nekotorye dannye po istorii pochvovedeniia (Some data on the history of soil science). Pochvovedenie (Pedology), No. 5/6, p. 233-241. 1945. 57.8 P34



**6717 AMERICAN GEOPHYSICAL UNION. COMMITTEE ON EVAPORATION AND TRANSPIRATION.** Report, 1944-1945. Amer. Geophys. Union. Trans. 26: 451-455. Dec. 1945. 330.9 Am3

Includes studies of soil moisture.

**6718 COLMAN, E. A., and BODMAN, G. B.** Moisture and energy conditions during downward entry of water into moist and layered soils. Soil Sci. Soc. Amer. Proc. (1944) 9: 3-11. 1945. 56.9 So3

**6719 CORREA VALDES, C.** Condiciones y aprovechamiento de los suelos turbosos. Campesino [Santiago] 77: 531-532. Sept. 1945. 9.3 Sol2

**6720, EUGENIO MORALES, D.** Nuevo modelo de pipeta para analisis mecanico de suelos. Montes 1: 134-137. May/June 1945. 99.8 M763

**6721 GREAVES, J. E.** The functions of organic matter in the soil. Farm and Home Sci. [Utah Sta.] 6(4): 15-16. Dec. 1945. 100 UtlF

Effects on physical and chemical properties of the soil.

**6722 JEFFRIES, C. D.** A quantitative approach to the study of the thermal characteristics of clays. Soil Sci. Soc. Amer. Proc. (1944) 9: 86-91. 1945. 56.9 So3

**6723 JOHNSTON, J. R., and HILL, H. O.** A study of the shrinking and swelling properties of Rendzina soils. Soil Sci. Soc. Amer. Proc. (1944) 9: 24-29. 1945. 56.9 So3

**6724 KACHINSKIĬ, N. A.** Novos v teorii o vodonepronitsaemykh pochvenno-gruntovykh ekranakh (Recent advances in the theory of the impermeable soil-ground screens). Pochvovedenie (Pedology), No. 5/6, p. 251-270. 1945. 57.8 F34

English summary.

**6725 KARPINSKIĬ, N. P., and FRANTSESON, V. A.** Primenenie "peremiatykh" pochvenno-gruntovykh mass v tseliakh ustraneniia fil'tratsii vody. Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otechet 1941/1942: 222-236. 1944. 106 M8525

Application of colloidal soil mixtures for the waterproofing of soil for various constructions.

**6726 KIRKHAM, D.** Artificial drainage of land: streamline experiments. The artesian basin - III. Amer. Geophys. Union. Trans. 26: 393-405. Dec. 1945. 330.9 Am3

**6727 LUNDBLAD, K.** Om bestämning av organogen-jordars volymvikt. Determination of the volume weight of organogenic soils. Forsök och Forskning 2: 140-141. Sept. 1945. 11 F77

**6728 MCCALLA, T. M.** Factors affecting the percolation of water through a layer of loessial soil. Soil Sci. Soc. Amer. Proc. (1944) 9: 12-16. 1945. 56.9 So3

**6729 ORLOVSKIĬ, N. V.** Nekotorye cherty dinamiki verkhovodok v Barabe (Some features of the dynamics of the level of the upper ground waters in the Baraba steppe). Pochvovedenie (Pedology), No. 5/6, p. 277-286. 1945. 57.8 F34

**6730 PAQUET, G.** L'effet de la neige sur la température du sol en hiver. Forêt Québécoise 10: 279-280. Nov. 1945. 99.8 F79

**6731 PETERSON, J. B.** Characteristics of Iowa peat profiles. Soil Sci. Soc. Amer. Proc. (1944) 9: 126-130. 1945. 56.9 So3

**6732 PETERSON, J. B.** The effect of montmorillonitic and kaolinitic clays on the formation of platy structures. Soil Sci. Soc. Amer. Proc. (1944) 9: 37-48. 1945. 56.9 So3

**6733 VILENSKY, D. G.** Methodology for soil tenacity and soil erosion studies. Agr. Engin. 26: 465-467. Nov. 1945. 58.8 Ag83

Translated from the Russian by D. B. Krimgold.

**6734 VRIES, O. DE, and VLIET, A. M. VAN.** Onderzoek naar de bodemgesteldheid van het landgoed de Utrecht nabij Esbeek (N. B.). Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek., No. 50 (9) A, p. 265-461. 's-Gravenhage, 1945. 105.2 V61V

**6735 WILCOX, J. C.** Some factors affecting apple yields in the Okanagan Valley. II. Soil depth, moisture holding capacity, and pH. Sci. Agr. 25: 739-759. Aug. 1945. 7 Sci2

**6736 WINTERKORN, H. F., and FEHRMAN, R. G.** The effect of freezing-thawing and wetting-drying cycles on the density and bearing power of five soils. Soil Sci. Soc. Amer. Proc. (1944) 9: 248-252. 1945. 56.9 So3

**6737 WOODBURN, R.** Aggregation studies of Houston clay in Mississippi. Soil Sci. Soc. Amer. Proc. (1944) 9: 30-36. 1945. 56.9 So3

#### Soil Chemistry and Mineralogy

**6738 APP, F., and WOLF, B.** The influence of soil pH and organic matter upon the yields of some vegetable crops. Amer. Soc. Hort. Sci. Proc. 46: 309-313. Aug. 1945. 81 Sol2

**6739 BAILEY, E. H.** Hydrogen-ion concentration of the important soils of the United States in relation to other profile characteristics: IV. Azonal soils. Soil Sci. 60: 321-332. Oct. 1945. Ref. 56.8 So3

**6740 BEESON, K. C., GRAY, L., and SMITH, S. E.** Some areas in eastern United States associated with deficiencies of cobalt and other elements in the soil. Soil Sci. Soc. Amer. Proc. (1944) 9: 164-168. 1945. 56.9 So3

**6741 CAROLUS, R. L., and WOLTZ, W. G.** Nitrogen and phosphate fertilizer levels in relation to potato yields and to soil constituents during dry seasons. Soil Sci. Soc. Amer. Proc. (1944) 9: 194-199. 1945. 56.9 So3

**6742 CATTON, M. D.** Contributions of the soil scientist to soil-cement paving. Soil Sci. Soc. Amer. Proc. (1944) 9: 236-240. 1945. 56.9 So3

Relation of chemical characteristics of soil to its use as a structural element.

**6743 CLARK, D.** Soil tests. Organic Gard. 8(2): 38-39. Jan. 1946. 56.8 Or3

**6744 COLEMAN, R.** The mechanism of phosphate fixation by montmorillonitic and kaolinitic clays. Soil Sci. Soc. Amer. Proc. (1944) 9: 72-78. 1945. 56.9 So3

**6745 DECoux, L., and SIMON, M.** Contribution à l'étude du sodium et de ses rapports avec la potasse, dans quelques sols betteraviers Belges. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 571-601. Nov./Dec. 1944. 66.9 In7

**6746 DECoux, L., VANDERWAEREN, J., and SIMON, M.** L'épuisement du sol en potasse, realise en vases de végétation. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 721-728. Nov./Dec. 1944. 66.9 In7

**6747 DRUMMOND, W. C.** The soil colloids as related to soil fertility. Begonian 12: 213, 214. (Cont.) Nov. 1945. 96.511 B39

**6748 DUCET, G., GUERILLOT, J., and GUYOT, A. L.** Estimation du pH et de la teneur en calcaire des terres par l'examen méthodique de la végétation spontanée (diagnostic phyto-ionocalcimétrique des sols). Grignon Ecole Natl. d'Agr. Ann. (ser. 3) 4: 32-115. 1944. 105.3 G872A

**6749 ECHEMENDIA, R.** Factores que afectan la concentración ion-hidrógeno de los suelos. Tec. Azucarera 5(37/38): 36-39. Oct. 1945. 65.8 T22

**6750 EISENMENGER, W. S.** Calcium in soils. Rural New-Yorker 104: 568. Dec. 15, 1945. 6 B88

**6751 HAUSER, E. A.** Colloid chemistry of clays. Chem. Rev. 37: 287-321. Oct. 1945. Ref. 381 C425

**6752 HOOVER, C. D.** The fixation of potash by a kaolinitic and a montmorillonitic soil. Soil Sci. Soc. Amer. Proc. (1944) 9: 66-71. 1945. 56.9 So3

**6753 JOFFE, J. S., and ZIMMERMAN, M.** Sodium, calcium, and magnesium ratios in the exchange complex. Soil Sci. Soc. Amer. Proc. (1944) 9: 51-55. 1945. 56.9 So3

- 6754 LAMOTTE, F. L. Chemical soil tests and the farmer. *Chemurg. Digest* 4: 353, 355-358. Nov. 30, 1945. 381 N213Na
- 6755 MEHLICH, A. Effect of type of soil colloid on cation-adsorption capacity and on exchangeable hydrogen and calcium as measured by different methods. *Soil Sci.* 60: 289-304. Oct. 1945. 56.8 So3
- 6756 NEELANDS, W. Forums plan soil testing. *Rural Co-op.* 10(7): 8. Dec. 11, 1945. 280.28 R68
- 6757 PARBERRY, N. H. Soil acidity on Murray groves. *Citrus News* 21: 140-141, 143. Sept. 30, 1945. 80 C494
- Results of use of ammonium sulfate fertilizers. Dolomite needed as a corrective.
- 6758 PERKINS, A. T., and KING, H. H. Phosphate fixation by soil minerals. III. Particle size. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 61-65. 1945. 56.9 So3
- 6759 PINRAU, M. A., and CHOINIERE, L. Détermination du magnésium échangeable dans les sols par la 8-hydroxyquinoléine. *Sci. Agr.* 25: 791-793. Aug. 1945. 7 Sci2
- 6760 REED, J. F., MEHLICH, A., and PILAND, J. R. The use of Nitroso-R-salt in the determination of exchangeable potassium in soils. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 56-60. 1945. 56.9 So3
- 6761 REINECKE, M. R. V. Nitrogenous matter in soils. *Union So. Africa. Dent. Agr. and Forestry. Press Serv.*, No. 808, p. 2. Nov. 13, 1945. 24 So82Pr
- 6762 REMEZOV, N. P. Sravnitel'noe izuchenie metodov vydeleniya guminovykh kislot iz pochvy (Comparative study of the methods of the isolation of humic acids from soil). *Pochvovedenie (Pedology)*, No. 5/6, p. 303-308. 1945. 57.8 P34
- 6763 STAKER, E. V., and JORNLIN, F. M. The effect of cropping on the organic matter, nitrogen, phosphorus, and potassium in the profiles of peat soils. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 117-125. 1945. 56.9 So3
- 6764 STRASSER, G. A., MATTHEWS, E. M., and OBENSHAIN, S. S. Effect of certain fertilizer and lime treatments on some chemical properties of Cecil sandy loam. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 159-163. 1945. 56.9 So3
- 6765 THORNE, D. W. Growth and nutrition of tomato plants as influenced by exchangeable sodium, calcium, and potassium. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 185-189. 1945. 56.9 So3
- 6766 VRIES, O. DE, and HETTERSCHIJ, C. W. G. Onderzoekingen over de methodiek bij kalibepalingen in grond. *Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek.*, No. 50 (4) A, p. 139-191. 's-Gravenhage, 1945. 105.2 V61V
- 6767 WALSH, T., and CULLINAN, S. J. The effect of wetting and drying on potash-fixation in soils. *Empire J. Expt. Agr.* 13: 203-212. Oct. 1945. 10 Em7
- 6768 WILLIS, W. H., and STURGIS, M. B. Loss of nitrogen from flooded soil as affected by changes in temperature and reaction. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 106-113. 1945. 56.9 So3
- Soil Biology
- 6769 APPLEMAN, M. D., and SEARS, O. H. The possibility of using lyophilized cultures as commercial legume inoculants. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 98-100. 1945. 56.9 So3
- 6770 BORDEN, R. J. Nitrogen depletion by soil organisms. *Hawaiian Planters' Rec.* 49: 251-257. Third and fourth quarters, 1945. 25 H311
- 6771 DECOUX, L., and others. L'azotobacter, en relation avec le binage de la betterave sucrière. II Commun. *Inst. Belge pour l'Amélior. de la Betterave.* P. 12: 633-643. Nov./Dec. 1944. 66.9 In7
- J. Vanderwaeren, M. Simon, and L. Ernould, joint authors.
- 6772 FEDOROV, M. V. Khimizm fiksaatsii azota atmosfery azotobakterom; vliyanie na produktivnost' azotfiksaatsii poverkhnostno-aktivnykh veshchestv [Chemical aspect of fixation of atmospheric nitrogen by Azotobacter. The influence of surface-active substances on nitrogen fixation]. *Mikrobiologiya* 14: 146-155. 1945. 448.3 M582
- English summary.
- 6773 HART, L. Soil nitrogen. *Austral. Gard. Lover* 21(6): 33. Sept. 1945. 80 G1615
- Methods and materials for increasing nitrogen in the soil.
- 6774 IMSHENETSKIY, A. A. Nitrifikatsionushchie bakterii i mikrobakterii [Nitrifying bacteria and mycobacteria]. *Mikrobiologiya* 14: 177-190. 1945. 448.3 M582
- English summary.
- 6775 ISACHENKO, B. L. Mikrobiologiya v Akademii nauk SSSR [Microbiology in the USSR Academy of Sciences]. *Mikrobiologiya* 14: 137-145. 1945. 448.3 M582
- General, including soil microbiology.
- 6776 JENSEN, H. L. Nitrogen fixation in leguminous plants. V. Gains of nitrogen by medicago and trifolium in acid and alkaline soil. *Linn. Soc. N. S. Wales. Proc.* (1944) 69: 229-237. 514 Sy2
- 6777 JENSEN, H. L., and FRITH, D. Production of nitrate from roots and root nodules of lucerne and subterranean clover. *Linn. Soc. N. S. Wales. Proc.* (1944) 69: 210-214. 514 Sy2
- 6778 MARTIN, J. P. Some observations on the synthesis of polysaccharides by soil bacteria. *J. Bact.* 50: 349-360. Sept. 1945. 448.3 J82
- 6779 RODALE, J. I. The beneficial "fire" in the soil. *Organic Gard.* 8(2): 2-3. Jan. 1946. 56.8 Or3
- Biological activity and condition of the soil.
- 6780 SPENCER, S. M. New medicines from your back yard. *Sat. Evening Post* 218(23): 17, 109-111. Dec. 8, 1945. 110 S
- Soil bacteria as sources of medicines.
- 6781 THOM, C. Action of soil bacteria on wood products. *Northeast. Wood Util. Council. B.* 7, p. 38-48. 1945. 99.9 N819
- 6782 WILSON, J. K. The nodulating performance of three species of legumes. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 95-97. 1945. 56.9 So3
- Soil-Plant Relationships and Soil Requirements
- 6783 COAD, W. H. Hens - and humans - need "living" food. *Poultry [London]* 97: 310. Nov. 13, 1945. 47.8 P869
- Relation of the soil to animal and human health.
- 6784 COTTON, J. Man and soils. *Md. Farmer* 29(11): 14. Nov. 1945. 6 M362
- Relation between soil and human health.
- 6785 FRANTSESON, V. A. Ob agronomicheskoi kharakteristike pochv v raionakh vyshchelochennykh chernozemov Kurganskoj oblasti v svyazi s razmeshcheniem kok-sagzya i sakharnoi svekli [Concerning the agronomical characteristics of soils in the regions of leached black soils of the Kurgan region in connection with the allocation of kok-saghyz and sugar beet]. *Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otshest* 1941/1942: 217-222. 1944. 106 M8525
- 6786 HAAS, H. C. Soil and health. *Organic Gard.* 8(2): 26-30. Jan. 1946. 56.8 Or3
- 6787 HARMER, P. M. The effect of varying the reaction of organic soil on the growth and production of the domesticated blueberry. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 133-141. 1945. 56.9 So3
- 6788 LUSE, R. H. Feed the soil for better animals. *Successful Farming* 43(12): 24, 48, 50. Dec. 1945. 6 Su12
- Relationship between soil fertility and animal health.



6789 MACGREGOR, J. M., and ROST, C. O. The effect of chlorine in soils and fertilizers on its distribution in the potato tuber. Soil Sci. Soc. Amer. Proc. (1944) 9: 79-85. 1945. 56.9 So3

6790 MEYER, H. K. Organics reduce poisons. Organic Gard. 8(2): 36-37. Jan. 1946. 56.8 Or3  
Effects of organic fertilizers on the uptake of poisonous compounds from the soil by plants.

6791 NICHOLAS, D. J. D. The mineral element content of flax straw from experimental centres. Season 1943. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 98-110. 84 B77

6792 NICOL, H. Here and there. Statist 142: 894-895. Oct. 20, 1945. 286.8 St2  
Relationship between soil and animal health.

6793 SAN MILLÁN ALMAGRO, J. A. El suelo que conviene al maní. Argentina. Min. de Agr. Almanaque (1945) 20: 129-131. 9 Ag874

6794 WATSON, G. C. "Disease is disharmony with nature." Farmer [Pietermaritzburg] 34(40): 14. Oct. 5, 1945. 24 F227  
Relation between soil fertility and animal and human health.

6795 WYND, F. L., and NOGGLE, G. R. Relationship of certain chemical properties of soils near Midland, Douglas County, Kansas, to yield of oats harvested at jointing stage. Food Res. 10: 408-414. Sept./Oct. 1945. 389.8 F7322

6796 WYND, F. L., and NOGGLE, G. R. Relationships of certain chemical properties of soils near Midland, Douglas County, Kansas, to accumulation of protein in oat leaves harvested at jointing stage. Food Res. 10: 415-425. Sept./Oct. 1945. 389.8 F7322

#### Soil Genesis, Formation, Classification, and Mapping

6797 ALMADA SAPRIZA, H. En defensa de los naranjales. IX. Defendamos el suelo patrio. Paraguay. Min. de Agr. Rev. de Agr. y Canad., No. 13, p. 34-40. (Cont.) Sept. 1945. 9.7 Ag8Re  
Soil genesis and formation.

6798 BUSHNELL, T. M. The "catena-drainage profile" key-form as a frame of reference in soil classification. Soil Sci. Soc. Amer. Proc. (1944) 9: 219-222. 1945. 56.9 So3

6799 HASPII, A. Rapport sur le releve des sols de Lagon Bleu. Haiti. Serv. Natl. de la Prod. Agr. et de l'Enseign. Rural. B. 35, 6 p. Port-au-Prince, 1945. 8 H123

#### Physical-chemical description.

6800 KNUTSSON, G. Markkartering och försöksverksamhet [Soil mapping and its advantages]. Lantmannen 29: 1025-1026. Nov. 17, 1945. 11 L234

6801 KUNINCK, M. DE. Bases para el estudio y clasificación de los suelos de las distintas zonas de El Salvador. El Salvador. Inst. Tec. An. 1(1): 335-342. 1944. 8 Sa34

6802 KUNINCK, M. DE. Naturaleza de los terrenos y suelos de los alrededores de San Salvador. Origen del talpetate. El Salvador. Inst. Tec. An. 1(1): 359-368. 1944. 8 Sa34  
Volcanic soils.

6803 ODYSKY, W. Solonetz soils in Alberta. Sci. Agr. 25: 780-790. Aug. 1945. 7 Sc12

6804 PEDROSA FUERTAS, R. Conocer la tierra base de todos los cultivos. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 245-248. (Cont.) Sept. 1945. 65.9 As5B

#### Description and classification of soils in Cuba.

6805 PETROV, B. F. Karta pochv fuzhnoí chasti Barabinskoi stepi (Soil map of the southern part of the Baraba steppe). Pochvovedenie (Pedology), No. 5/6, p. 271-276. 1945. 57.8 P34

6806 SOBOLEV, S. S. O razvitii geografii i kartografii pochv v Rossii (On the development of soil cartography and soil geography in Russia). Pochvovedenie (Pedology), No. 5/6, p. 242-250. 1945. 57.8 P34

#### English summary.

6807 WHITESIDE, E. P. Clay formation and movement in two claypan soils, the Putnam and Cowden. Soil Sci. Soc. Amer. Proc. (1944) 9: 211-218. 1945. 56.9 So3

#### SOIL MANAGEMENT

6808 BENNETT, H. H. Food and soil. Iowa Union Farmer 28(19): 4. Nov. 10, 1945. 280.28 Io9  
Importance of conservation farming.

6809 BRADFIELD, R. The relationship of soil management to seed production. Canad. Seed Growers' Assoc. Ann. Rpt. 1944/45: 25-32. 61.9 Cl6

6810 ELLIS, N. K. Effect of zinc sulfate added to copper-lime spray on the yield of potatoes on Indiana muck soil. Soil Sci. Soc. Amer. Proc. (1944) 9: 131-132. 1945. 56.9 So3

6811 HOWARD, SIR A. Artificial farm practice challenged; famous scientist's plea for soil protection. Countryman [Melbourne] (ser. 20), No. 37, p. 6, 7. Sept. 21, 1945. 281.8 C83

6812 JUDKINS, W. P., and WANDER, I. W. The effect of cultivation, sod, and sod plus straw mulch on the growth and yield of peach trees. Amer. Soc. Hort. Sci. Proc. 46: 183-186. Aug. 1945. 81 So12

6813 MCMUNN, E. W. Which shall it be - striped coal or cropland? Or can we have both? Ohio Farmer 196(12): 5, 26. Dec. 15, 1945. 6 Oh3

6814 MANN, D. What causes mortgage foreclosures? Kans. Farmer 82(23): 6-7. Dec. 1, 1945. 6 K13

#### Advantages of conservation farming.

6815 MURPHY, H. F. Wind the soil. Farmer-Stockman 58: 302. Sept. 1945. 6 Ok45  
Soil management.

6816 ORCHARD, M. Winter soil management. Farm and Ranch 64(11): 9. Nov. 1945. 6 T31

6817 PAZZI, J. J. O. Are our vleis doomed? - it is for us to decide. Farmer [Pietermaritzburg] 34(39): 8. Sept. 28, 1945. 24 F227  
Mismanagement of vlei lands.

6818 SOUZA, W. W. C. DE. Rejuvenescimento das lavouras cafeeiras. DMC; Rev. do Dept. Nac. do Café [Brazil] 13: 175-180. Aug. 1945. 286.83 D44  
Soil management.

6819 VAUGH, M. A proposed system of soil improvement. Allahabad Farmer 19: 88-94. July 1945. 22 AL5

6820 WHITE, H. F. Organic farming. The British system of land use. (To be cont.) Past. Rev. 55: 765-767. Oct. 16, 1945. 23 Au75

6821 WRIGHT, P. H. Northern soils management [Canada]. Saskatchewan Farmer 36(23): 10. Dec. 15, 1945. 7 Sa74

#### Soil Fertility

6822 BEAUCHAMP, C. E. El abonado y la nutrición de la Caña. Pt. I. Inst. Cubano de Suelos y Abonos. B. 35: 666-678, processed. (Cont.) Aug. 1945. 65.9 H29

6823 BECKER, D. The influence of sheep on the fertility of the farm soil. (In Hebrew.) Hassadeh 25: 569-570. Aug./Sept. 1945. 26 H27

6824 BLACK, C. A., and VESSEL, A. J. The response of hemp to fertilizers in Iowa. Soil Sci. Soc. Amer. Proc. (1944) 9: 179-184. 1945. 56.9 So3

6825 BORDEN, R. J. The effect of nitrogen fertilization upon the yield and composition of sugar cane. Hawaiian Planters' Rec. 49: 259-299. Third and fourth quarters, 1945. 25 H311

- 6826 BRAILEY, C. Nitrogen application ups sugar, beet yield. *Irrig. Farmer* 3(8): 1, 4. Dec. 6, 1945. 55.8 Ir78
- 6827 BROHARD, E. West Virginia soil problems. *Farm and Dairy [Salem]* 32(11, 1. e. 14): 9. Dec. 14, 1945. 6 F2279  
Decrease of soil productivity.
- 6828 BUCKLEY, J. Readings on early American soil fertility. *Organic Gard.* 8(2): 48-50. Jan. 1946. 56.8 Or3
- 6829 BURINER, J. C. Lifesaver for tired soils; subterranean clover (Oregon find) thrives in southern and eastern coastal States, too. *Farm J.* 69(12): 37-39. Dec. 1945. 6 F2212
- 6830 COBB, G. R. What is the best method of applying fertilizer? *Better Crops with Plant Food* 29(9): 9-10, 45-47. Nov. 1945. 6 B46
- 6831 COOK, L. J. Manurial experiments on wheat at Ungarra. *So. Austral. Dept. Agr. J.* 49: 61-64. Sept. 1945. 23 So84
- 6832 D., J. The maintenance of soil fertility. *Glamorgan Farmer* 9: 51-52. 1945. 10 G45
- 6833 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Azote, chaux, magnesie et betterave. II Commun. *Inst. Belge pour l'Amélior. de la Betterave*. P. 12: 685-694. Nov./Dec. 1944. 66.9 In7
- 6834 DECOUX, L., VANDERWAEREN, J., and SIMON, M. La carence comparée de différentes cultures en azote, acide phosphorique et potasse. II Commun. *Inst. Belge pour l'Amélior. de la Betterave*. P. 12: 541-569. Nov./Dec. 1944. 66.9 In7  
Fertilizer tests with wheat, potatoes, and sugar beets.
- 6835 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Chaux, magnesie et betterave. *Inst. Belge pour l'Amélior. de la Betterave*. P. 12: 729-735. Nov./Dec. 1944. 66.9 In7
- 6836 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Soude, potasse et betterave. V Commun. *Inst. Belge pour l'Amélior. de la Betterave*. P. 12: 663-668. Nov./Dec. 1944. 66.9 In7
- 6837 DODDS, H. H. Maintenance of soil fertility in the sugarcane plantation. *So. African Sugar Technol. Assoc. Proc.* (1945) 19: 55-58. 65.9 So83
- 6838 EKSTEEN, L. L. Compost in the production of maize crop. *Farmer [Pietermaritzburg]* 34(41): 8. Oct. 12, 1945. 24 F227
- 6839 ENSMINGER, L. E. Crops need phosphate. *This Month in Rural Ala.*, Nov. 1945, p. 5. 6 T34
- 6840 ERNEST, E. Bör man kvävegödsla höstsäden redan på hösten? (Should winter seed be fertilized with nitrogen in the fall?). *Lantmannen* 29: 932. Oct. 20, 1945. 11 L234
- 6841 FITZGERALD, O. A. [Fertilizing legume forage crops with phosphate fertilizers.] *Country Gent.* 115(12): 36. Dec. 1945. 6 C833
- 6842 GONZÁLEZ TAFUR, O. B. Contribución al abonamiento en la campaña de Arequipa. *Agronomía [Lima]* 10(40): 61-64. Apr. 1945. 9.8 Ag83
- 6843 GREEN, J. Fertilizer tests on wheat. *New Agr.* 28(3): 7. Dec. 1945. 66.8 Su32
- 6844 HARPER, H. J. How you can build your soil. *Farmer-Stockman* 58: 447, 487. Dec. 1945. 6 Ok45
- 6845 HARPER, H. J. Limestone and phosphate produce alfalfa on upland. *Farmer-Stockman* 58: 398. Nov. 1945. 6 Ok45
- 6846 HENDRICKS, H. E. Borax on crimson clover in Tennessee. *Better Crops with Plant Food* 29(9): 24-26, 41-42. Nov. 1945. 6 B46
- 6847 HEWITT, E. J. Placement experiments in the use of fertilisers. *Progress report, 1944.* Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 75-79. 84 B77
- 6848 HOOVER, C. D., and COLEMAN, R. Fertilizers for alfalfa production. *Miss. Farm Res. [Miss. Sta.]* 8(10): 8. Oct. 1945. 100 M69M1
- 6849 JAHN, R. E. Estudios experimentales de abonamiento del algodón. *Agr. Venezol.* 9(109/110): 33-34. May/June 1945. 9.95 Ag8
- 6850 LANG, A. L. First things first in soil fertility. *Better Crops with Plant Food* 29(9): 11-16, 47-49. Nov. 1945. 6 B46
- 6851 MALMÖHUS LÄNS SKOGS- OCH BETESVÅRDSFÖRENING. Berättelse, 1944 [Report, 1944]. Malmöhus Läns Hushall. Sällsk. Kvrtlsskr., No. 2, p. 121-132. 1945. 11 M29  
Report of the activities of Malmöhus Läns Forest and Pasture Association, for 1944. Mainly soil and pasture fertilization and management.
- 6852 MAURER, T. C. Kudzu on abandoned land needs phosphate and potash, maybe borax. *Better Crops with Plant Food* 29(9): 6-8, 45. Nov. 1945. 6 B46
- 6853 PECORA, E. J. Cuando y por qué debe abonarse un suelo. *Argentina. Min. de Agr. Almanaque* (1945) 20: 293-294. 9 Ag874
- 6854 PICKFORD, P. T. H. Manurial experiments on vegetable crops. VII. Effects of farmyard manure and of various fertilizer treatments on garden beet. *Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt.* 1944: 71-73. 84 B77
- 6855 PICKFORD, P. T. H. Manurial experiments on vegetable crops. VIII. Effects of farmyard manure and other manurial treatments on cauliflower. *Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt.* 1944: 73-75. 84 B77
- 6856 PITNER, J. Soil fertility practices for cotton production: Gary Field, Money, Mississippi. *Plantation Stockman* 3(4): 12. Dec. 1945. 49 p69
- 6857 POTTER, L. R. Experimenting with humus. *Amer. Peony Soc. B.* 99, p. 9-10. Sept. 1945. 81 Am38B
- 6858 PRIANISHNIKOV, D. N. Novye perspektivy primeneniya zelenogo udobreniya v Evropeiskoi chasti Sotruza [New prospects for the application of green fertilizers in the European part of the Union]. *Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otechet* 1941/1942: 22-26. 1944. 106 M8525
- 6859 PRIANISHNIKOV, D. N. O sevooborotakh i sisteme udobreniya v khlopkovykh raionakh Srednei Azii [On crop rotations and fertilizer system in the cotton regions of Central Asia]. *Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otechet* 1941/1942: 5-20. 1944. 106 M8525
- 6860 R., T. C. Sod forming grass aids soil improvement. *Farmer-Stockman* 58: 479. Dec. 1945. 6 Ok45
- 6861 ROBERTS, E. Soil-builder [sweetclover] that pays room and board. *Farmer-Stockman* 58: 412. Nov. 1945. 6 Ok45
- 6862 ROBINSON, R. R. The response of various forage grass and legume seedlings to phosphate fertilization under greenhouse conditions. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 147-150. 1945. 56.9 So3
- 6863 SCARSETH, G. D. Are you wasting sunshine? *Ohio Farm Bur. News* 25(5): 13, 27. Dec. 1945. 6 Oh34  
Fertilizers increase crop yields.
- 6864 SMITH, E. M., and others. Some experiences in revegetating poor hill pastures in West Virginia for improved conservation and production. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 200-207. 1945. 56.9 So3  
G. G. Pohlman, F. W. Schaller, and D. R. Browning, joint authors.  
Includes soil types, plant varieties, and management practices.
- 6865 TAYLOR, A. J. Soil structure and soil fertility. *So. African Sugar Technol. Assoc. Proc.* (1945) 19: 52-54. 65.9 So83



6866 THEUNE, J. Importancia de la fertilización en la arboricultura frutal. Campesino [Santiago] 77: 512-513. Sept. 1945. 9.3 Sol2

6867 TREMBLAY, F. T., and VANDECAVEYE, S. C. The effect of limestone and fertilizer treatments upon the growth and composition of spinach. Soil Sci. Soc. Amer. Proc. (1944) 9: 169-178. 1945. 56.9 So3

6868 UZCATEGUI R., L. Abonamiento de frutales cítricos. Agr. Venezol. 9(107/108): 18-19. 41. Mar./Abr. 1945. 9.95 Ag8

6869 WANDER, I. W., and GOURLEY, J. H. Increasing available potassium to greater depths in an orchard soil by adding potash fertilizer on a mulch. Amer. Soc. Hort. Sci. Proc. 46: 21-24. Aug. 1945. 81 Sol2

6870 WARE, L. M., and JOHNSON, W. A. Effects of fertilizers, animal manures and green manures on the yield of vegetable crops on light garden soils. Amer. Soc. Hort. Sci. Proc. 46: 319-322. Aug. 1945. 81 Sol2

6871 WHELAN, L. A. Field experiments on Dartonfield Estate - XXVI. Manuring experiment with mature rubber (1944). Rubber Res. Scheme, Ceylon. Q. C. 22(1/2): 3-4. June 1945. 78.9 C33Q

6872 WHITE, H. B. Organic matter loss and its restoration. Country Life [Sydney], 57(13): 9. (Cont.) Sept. 28, 1945. 286.85 Sy2

6873 WILSON, F. C. Humus - and soil improvement. Gard. Chron. 49: 326-327, 333. Dec. 1945. 80 G1632

6874 WOLTZ, W. G., and CAROLUS, R. L. Results of spinach topdressing studies with three nitrogen materials. Soil Sci. Soc. Amer. Proc. (1944) 9: 190-193. 1945. 56.9 So3

#### Soil Tilth and Tillage

6875 BOWER, C. A., BROWNING, G. M., and NORTON, R. A. Comparative effects of plowing and other methods of seedbed preparation on nutrient element deficiencies in corn. Soil Sci. Soc. Amer. Proc. (1944) 9: 142-146. 1945. 56.9 So3

Other methods of seedbed preparation studied were listing, discing, and subsurface tillage.

6876 BROWNING, G. M., and others. Tillage practices in relation to soil and water conservation and crop yields in Iowa. Soil Sci. Soc. Amer. Proc. (1944) 9: 241-247. 1945. 56.9 So3

R. A. Norton, E. V. Collins, and H. A. Wilson, joint authors.

6877 DAVILA, D. S. El pasaje del rodillo y de la rastra a los cultivos cereales. Argentina. Min. de Agr. Almanaque (1945) 20: 415-416. 9 Ag874  
Also in Campo [Buenos Aires], 29(348): 27. Oct. 1945. 9 C15

6878 GALVAN LOPEZ, R. Cuando y cómo debe ararse un terreno. Campesino Morelense 1(14): 2. Dec. 1, 1945. 8 C156

6879 IBBOTSON, J. W. The disc harrow as a modern cultivating implement. So. Austral. Dept. Agr. J. 49: 82-83. Sept. 1945. 23 So84  
Effects on tilth of the soil.

6880 M., E. Mock trenching: a picture guide. Pop. Gard. 47: 291. Nov. 10, 1945. 80 G1622

6881 MULDER, J. C. E. C. N. Prae-advies voor de boschdagen 1945 over de grondbewerking bij de herbebossching van onze kaalgeslagen bosschen. Nederland. Boschbouw Tijdschr. 17: 322-326. Dec. 1945. 99.8 N28

6882 N., O. Full speed ahead with digging: heavy ground should be ridged. Pop. Gard. 47: 308. Nov. 24, 1945. 80 G1622

6883 NISSLEY, C. H. New Jersey vegetables: growers should prepare for the post war period by devoting more attention to farm below the top one. N. J. State Hort. Soc. Hort. News 26: 1749-1751. Nov. 1945. 81 N46  
Deep tillage.

6884 QUEVADO, C. V. El cultivo bajo cubierta. Argentina. Min. de Agr. Almanaque (1945) 20: 367-370. 9 Ag874

Subsurface tillage and machinery suitable for such tillage.

Also in Campo [Buenos Aires], 29(348): 34-35. Oct. 1945. 9 C15

#### Drainage, Irrigation, Water Supply, and Flood Control

6885 BAEHNI, C. Un episode de la lutte de l'homme contre les sables: la fixation des dunes mouvantes dans le nord de l'Afrique. Rev. pour l'Étude des Calamités 8(22): 26-42. Jan./June 1945. 340.8 R32

6886 BLOOM, A. H. V. Crying out for clay. Farmers Weekly [London], 23(17): 31. Oct. 26, 1945. 10 F2226

Reclamation of fen lands.

6887 BOUQUET, A. G. B. Irrigation backbone of agriculture in Oregon. New Agr. 28(3): 10. Dec. 1945. 66.8 Su32

6888 BRAZELTON, J. S. What about old man river? Kans. Farmer 82(23): 8. Dec. 1, 1945. 6 K13

Plan to develop and control the Missouri River.

6889 BRUCE, R. Reclamation in the home of the Shorthorn [Durham County, England]. Coastal Cattleman 11(10): 21-22. Dec. 1945. 43.8 C63

6890 CANO, J. Estación Experimental "Santa Cruz Porillo." El Salvador. Inst. Tec. An. 1(1): 53-56. 1944. 8 Sa34

An irrigation experiment station.

6891 CANO, J. Plan global para la creación de una estación experimental en "Santa Cruz Porillo." El Salvador. Inst. Tec. An. 1(1): 56-61. 1944. 8 Sa34

6892 GAPPER, A. We don't need an MVA. Cap-per's Farmer 56(12): 3. Dec. 1945. 6 M693

6893 DIQUES y embalses para fomentar la agricultura argentina. Chacra 15(180): 50-51, 79. Oct. 1945. 9 C34

6894 DORAN, W. E. The fenlands of England [drainage and agricultural use]. Soil Conserv. 11: 136-138, 142. Dec. 1945. 1.6 So3S

6895 EMERSON, A. W. Better crops and higher income through farm irrigation. Impl. & Tractor 60(24): 34-35, 39, 44. Dec. 1, 1945. 58.8 W41

6896 ERNESTO RIVEROS, J. Necesidad de encauzar las aguas del Río San Juan [Argentina]. Vinos, Viñas y Frutas 41: 129-133. Sept./Oct. 1945. 9 Ag89  
Damage to agriculture caused by the river and how it can be utilized for the benefit of agriculture.

6897 EYLANDS, A. G. Bitt rekur sig á annars horn. Freyr 40: 123-125. Aug./Sept. 1945. 11 F89  
Ditching.

6898 HARY, P. (HIJO). Las inundaciones en la provincia de Buenos Aires. Buenos Aires y la Pampa, No. 75, p. 3-7. Aug. 1945. 9 B868

6899 IRRIGATION problems in the Levant States. Engineering 160: 345-346. Nov. 2, 1945. 290.8 En322

6900 KEIFER, O. Neglected valley - plans for big development [Republican River Valley]. Irrig. Farmer 3(8): 1, 6. Dec. 6, 1945. 55.8 Ir78

6901 KLINEFELTER, H. E. How your Congressmen and Senators stand on MVA. Mo. Farmer 37(17): 3, 11, 14. Nov. 15, 1945. 6 M696

6902 KUSKOVA, E. K. Vliĭaniye osushenifa na solevoi rezhim zabolochennykh zemel' Baraby (The effect of drainage on the salt regime of the swamped lands of the Baraba steppe). Pochvovedenie (Pedology), No. 5/6, p. 287-302. 1945. 57.8 P34

6903 MCLAUGHLIN, W. W. Explain small grain irrigation methods. Irrig. Farmer 3(8): 3, 6, 10-11. Dec. 6, 1945. 55.8 Ir78

6904 MCMILLIN, M. Flood control - initiated in San Bernardino County [Calif.]. West. Construct. News 20(11): 87-91. Nov. 1945. 290.8 W522

- 6905 MAESTRI, R. Imprevisión, sequía y regadío. *Tierra Libre* 9(10): 8. Oct. 1945. 8 T443
- 6906 MARR, J. C. Why and how snow surveys are made. *Sugar Beet* 6(1): 14-17, 24-25. Dec. 1945. 66.8 S4343
- 6907 MARTINEZ, F. El agua en la agricultura. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(130): 17, 27. Oct./Dec. 1945. 8 Sa53
- Irrigation.
- 6908 NEUMANN G., R. La irrigación de los canales. *Téc. Azucarera* 5(37/38): 21-26. (Cont.) Oct. 1945. 65.8 T22
- 6909 NOVELO F., E. El riego de las huertas. *Fomento* [monthly] 2(22): 4, 6. Aug. 1945. 8 F734
- 6910 OSPITALETCHÉ, A. E. El riego de los arrozales. *Argentina. Min. de Agr. Almanaque* (1945) 20: 127-128. 9 Ag874
- 6911 PENNEFATHER, R. R. Lessons in irrigation. *Citrus News* 21: 135. Sept. 30, 1945. 80 C494
- Irrigation of citrus orchards, Australia.
- 6912 REIG FELIU, A. Saneamiento y puesto en cultivo de nuevas tierras de arroz en la zona de la Albufera de Valencia. *Agricultura* [Madrid], 14: 396-400. Aug. 1945. 15 Ag84
- 6913 RUBEY, H. Supplemental irrigation for Missouri and regions of similar rainfall. *Mo. Engin. Expt. Sta. B.* 33. 75 p. Columbia, 1945. 290.9 M69
- 6914 SCOTT, W. G. Water resource data in Nebraska. *Irrig. Farmer* 3(8): 9. Dec. 6, 1945. 55.8 Ir78
- 6915 SHAFER, F. F. Functions of the soil conservation districts in drainage. *Agr. Engin.* 26: 456-458. Nov. 1945. 58.8 Ag83
- 6916 SHELTON, R. E. Regadío en arroz. *Tierra Libre* 9(10): 13. Oct. 1945. 8 T443
- 6917 SKINNER, C. W. Experiments in irrigation. *Market Growers J.* 74(12): 23, 48. Dec. 1945. 6 M34
- Irrigation of vegetables.
- 6918 THOMAS, G. Soil reclamation in the west [Australia]. *Country Life* [Sydney], 57(13): 20. Sept. 28, 1945. 286.85 Sy2
- 6919 TYLER, C. L. Siphons feature Yakima canal. *West. Construct. News* 20(11): 92-95. Nov. 1945. 290.8 W522
- Yakima Reclamation and Irrigation Project, Washington State.
- 6920 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1943. Pt. 3, Ohio River Basin. U. S. Geol. Survey. Water-Supply Paper 973, 652 p. Washington, 1945. 407 G29W
- 6921 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1944. Pt. 14, Pacific slope basins in Oregon and lower Columbia River Basin. U. S. Geol. Survey. Water-Supply Paper 1014, 222 p. Washington, 1945. 407 G29W
- 6922 UFSHAW, H. C. Corralled water. *Farm and Ranch* 64(11): 1, 36. Nov. 1945. 6 T31
- The Tucumcari Irrigation Project in New Mexico.
- 6923 VINCENT, R. S. National interest demands that full use be made of country's [Australia], water resources. *Farmer and Settler* 40(36): 6. Oct. 5, 1945. 23 F226
- Erosion and Erosion Control
- 6924 BENNETT, H. H. Soil erosion and land use in South Africa; general suggestions as to some of the more obvious remedial needs for lessening erosion damage. *Citrus Grower*, No. 141, p. 12-13, 15. Oct. 29, 1945. 80 C495
- 6925 BENNETT, H. H. There's but one way to do the job [soil conservation]. *Soil Conserv.* 11: 123-127. Dec. 1945. 1.6 So3S
- 6926 BOSWELL, S. R. Demonstration farms selected for conservation surveys in Utah County. *Utah Farmer* 65(8): 3. Nov. 25, 1945. 6 Du5
- 6927 CARTER, H. H. Soil erosion [in Australia]. *Australian Farmers' News* 7(310): 8. Sept. 27, 1945. 280.28 W523
- 6928 CHEFIL, W. S. Dynamics of wind erosion: I. Nature of movement of soil by wind. *Soil Sci.* 60: 305-320. Oct. 1945. 56.8 So3
- 6929 DYMOND, G. C. Erosion and conservation, with particular reference to the Natal coastal belt. *So. African Sugar Technol. Assoc. Proc.* (1945) 19: 65-70. 65.9 So83
- 6930 EINSTEIN, H. A. Surface-runoff and infiltration. *Amer. Geophys. Union. Trans.* 26: 431-434. Dec. 1945. 330.9 Am3
- 6931 ELLISON, W. D. Some effects of raindrops and surface-flow on soil erosion and infiltration. *Amer. Geophys. Union. Trans.* 26: 415-429. Dec. 1945. 330.9 Am3
- 6932 ERASMUS, J. C. Nature's way: best foundation for soil management, contours, terraces and strip cultivation. *Farmer* [Pietermaritzburg], 34(41): 8. Oct. 12, 1945. 24 F227
- 6933 FISH farming pays dividends in food and fun; the farm pond is important in soil conservation programs. *Nebr. Farmer* 87(22): 1, 34. Nov. 17, 1945. 6 N27
- 6934 FORREST, L. A., and LUTZ, J. F. Slope and water relations affecting the movement of soil particles: II. Field studies. *Soil Sci. Soc. Amer. Proc.* (1944) 9: 17-23. 1945. 56.9 So3
- 6935 GOWDER, M. T. Power to save the soil. *Prog. Farmer*, Ky.-Tenn.-W. Va. Ed. 60(12): 14. Dec. 1945. 6 P945K
- Machinery for terracing.
- 6936 HANSLOW, H. Soil drift control; results of competition - 1944-45. *Victoria. Dept. Agr. J.* 43: 423-427. Oct. 1945. 23 V66J
- 6937 JÁUREGUI, S. Estudio del izote como planta auxiliar de primer orden en una agricultura de conservación. *El Salvador. Inst. Tec. An.* 1(1): 343-358. 1944. 8 Sa34
- Yucca elephantipes.
- 6938 JÁUREGUI, S. Programa nacional para la conservación de recursos naturales de El Salvador. *El Salvador. Inst. Tec. An.* 1(1): 323-334. 1944. 8 Sa34
- Includes soil and forest conservation.
- 6939 JOBIM, L. Erosão dos solos; sua ação, causas, efeitos e meios de combate-la. *Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indús. e Com. [B.], Ser. C*, 114, 34 p. Porto Alegre, 1944. 9.2 R473
- 6940 MEYER, H. P. Vegetation limits soil erosion. *Farmer* [Pietermaritzburg] 34(43): 14. Oct. 26, 1945. 24 F227
- 6941 MURRAY, F. County agent solves a problem by building farm ponds. *Better Farming Methods* 18(8, 1. s. 2): 13, 28. Nov./Dec. 1945. 58.8 B46
- 6942 NEAL, J. H. Soil and water losses as affected by rainfall characteristics. *Agr. Engin.* 26: 463-464. Nov. 1945. 58.8 Ag83
- 6943 NICHOLSON, R. M. Countering erosion's threat to the Swartland. *Farmer's Weekly* [Bloemfontein], 70: 576-577. Nov. 14, 1945. 24 F225
- 6944 PENNSYLVANIA. STATE PLANNING BOARD. Conservation problems in Pennsylvania, with recommendations for legislative and other action. Pa. State Planning Bd. Pa. Planning 9(6): 13-50. Aug. 1945. 280.7 P383
- Includes soil, water, and forest conservation.
- 6945 REID, L. E. Pastures and stock raising stressed at soil conservation meeting. *Coastal Cattleman* 11(10): 18. Dec. 1945. 43.8 C63
- 6946 RODRIGUEZ Z., M. Reconocimiento de conservación de suelos en Malleco y Arauco. *Simiente* 5: 61-71. Apr./June 1945. 9.3 S14



6947 ROWLEY, N. E. He keeps his farm in sod. Soil Conserv. 11: 134-135, 142. Dec. 1945. 1.6 So3S  
Conservation practices in connection with dairy farming.

6948 RUDOLPH, C. Recommendation made on soil conservation. Pacific Northwest Farm Bur. News 19 (12, Wheat League Sect.): 17. Dec. 1945.  
275-293 Washington

6949 "SAVE that land!" Soil conservation in Vermont. Esso Farm News 4(6): 8-12. Nov. 1945.  
6 Es72

6950 SHARPE, G. Story of an abandoned farm. Farm and Dairy [Salem] 32(11, 1. e. 14): 11. Dec. 14, 1945. 6 F2279

Soil erosion on a West Virginia farm.

6951 SOIL conservation: a problem of community welfare. Fed. Reserve Bank Dallas. Monthly Business Rev. 30(10/12): 1-7. Dec. 1, 1945. 284.8 F31D

6952 SPOONER, H. L. Rain - the farmer's best friend and also his worst enemy. Farmers Guide 101(24): 11. Dec. 15, 1945. 6 In2

Soil erosion.

6953 STOUT, L. Erosion dangers shown by U. S. soil authority. Family Herald and Weekly Star 76(49): 10. Dec. 5, 1945. 7 F21  
Report of addresses by Dr. W. C. Lowdermilk at Calgary.

6954 SUSOTT, A. W. La restauración de la fertilidad de las tierras erosionadas por el kudzu. Guatemala. Dir. Gen. de Agr. Rev. Agr. 1: 481-485. June/July 1945. 8 G934

6955 SYMONS, T. B. Soil conservation. Md. Farmer 29(12): 10, 14. Dec. 1945. 6 M362

6956 WATSON, G. C. South Africa's rivers have become mere open drains; catchment areas; first line of defence against erosion. Farmer [Pietermaritzburg] 34(43): 8. Oct. 26, 1945. 24 F227

6957 WEST VIRGINIA. STATE SOIL CONSERVATION COMMITTEE. The ramparts we watch, soil conservation in two wartime years. Biennial report, 1943-44, 29 p. Charleston, 1945. 56.9 W522

#### Sanitation

6958 G., C. R. Glasshouse notes sterilization of greenhouse soils. Glamorgan Farmer 9: 52-53. 1945. 10 G45

6959 NISSLEY, C. H. Fred Battali sterilizes coldframe soils by steam. N. J. State Hort. Soc. Hort. News 26: 1760. Nov. 1945. 81 N46

6960 ROBINSON, R. A. Two methods of soil sterilizing...for glasshouse food growers. Smallholder 74(1859): 10. Nov. 2, 1945. 10 Sml

6961 WATSON, J. R. A new soil fumigant [DD mixture] for root knot and other pests. Citrus Indus. 26(11): 8, 21. Nov. 1945. 80 C49

#### MATERIALS FOR SOIL IMPROVEMENT

6962 CHOUSSY, F. Valor comercial comparativo de un "abono compuesto" de composición conocida y el valor de un abono similar, en cuanto a su fabricado a base de "nitrapo Chileno" y de "superfosfato Mexicano." El Salvador. Inst. Tec. An. 1(1): 307-308. 1944. 8 Sa34

6963 CIRANNA, C. La cuestión de los abonos; abonos orgánicos. Vinos, Viñas y Frutas 41: 134-137. (Cont.) Sept./Oct. 1945. 9 Ag89

6964 CROWTHER, E. M. Fertilizers during the war and after. Bath and West and South. Counties Soc. Pam. 13, 51 p. Bath, England, 1945. 10 B32P

6965 DIKUSAR, I. G., and TSOI, A. N. O prië-makh éffektivnogo ispol'zovanija mineral'nykh udobrenij [Concerning methods of effective utilization of mineral fertilizers]. Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otechët 1941/1942: 77-87. 1944. 106 M8525

6966 GRAN, C. G. Fertilizers in wartime. Amer. Fert. 103(10): 10-11. Nov. 17, 1945. 57.8 Am3

6967 MARAIS, A. Farmers detain fertiliser permits? Farmer [Pietermaritzburg] 34(39): 11. Sept. 28, 1945. 24 F227

Fertilizer regulation in the Union of South Africa.

6968 REID, E. M. Chemical fertilisers. (Sum.) Roy. Inst. Chem. Gt. Brit. and Ireland. J. and Proc., pt. 5, p. 171-172. 1945. 382 In7

6969 SAMOILOV, I. I., KRAPIVINA, V. K., and MOTKINA, I. M. Opyty po voprosam ratsional'nogo primeneniia mestnykh i mineral'nykh udobrenij v Ki-rovskoi oblasti [Experiments on the rational utilization of local and mineral fertilizers in the Kirov region]. Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otechët 1941/1942: 87-108. 1944. 106 M8525

6970 SMIRNOV, P. A., and KALASHNIKOV, I. G. Rabota v proizvodstvennykh usloviiakh kolhozov i sovkhov. Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otechët 1941/1942: 241-256. 1944. 106 M8525

Research on fertilizer use, and the agricultural-economic evaluation of a fertilizer system for agriculture in the U. S. S. R., carried out by the Vsesoiuznyi Nauchno-Issledovatel'skii Institut Udobrenij, Agrotekhniki i Agropochvovedeniia im. K. K. Gedroitsa.

#### Primary Materials

6971 BELLATI, J. I. El empleo de los huesos como abono. Argentina. Min. de Agr. Almanaque (1945) 20: 68. 9 Ag874

6972 CHANDLER, R. F., JR., and MUSGRAVE, R. B. A comparison of potassium chloride and potassium metaphosphate as sources of potassium for plants. Soil Sci. Soc. Amer. Proc. (1944) 9: 151-153. 1945. 56.9 So3

6973 CROWTHER, E. M. Post-war fertiliser needs, opportunities for new phosphatic products. Chem. Trade J. and Chem. Engin. 117: 517-518. Nov. 9, 1945. 382 C422

6974 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Application hative ou tardive de divers sels potassiques a la betterave. II Commun. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 679-684. Nov./Dec. 1944. 66.9 In7

6975 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Un cas de fumure azotée exagérée. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 737-740. Nov./Dec. 1944. 66.9 In7

6976 DECOUX, L., VANDERWAEREN, J., and SIMON, M. L'influence sur la betterave sucrière de doses croissantes d'azote et de divers types d'engrais azotés appliqués a deux époques. VI Commun. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 653-662. Nov./Dec. 1944. 66.9 In7

6977 DECOUX, L., VANDERWAEREN, J., and SIMON, M. La valeur fertilisante de quelques phosphates de guerre. II Commun. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 669-677. Nov./Dec. 1944. 66.9 In7

6978 HORNER, C. K. Ammonium nitrate from war to peace. Com. Fert. 71(5): 20, 22-23, 43-45. Nov. 1945. 57.8 C73

6979 LOBIT, P. Quelques conseils pour l'utilisation des engrais azotés mis à votre disposition. B. Agr. des Hautes-Pyrénées, No. 405, p. 100-104. Oct./Nov. 1944. 14 B875

6980 MAMCHENKOV, I. P., ROMASHKEVICH, I. F., and FERUL'SKAIA, V. P. Povyshenie éffektivnosti fosforitnoi muki putëm kompostirovaniia ee s navozom [Increasing the effectiveness of phosphorite flour by composting it with manure]. Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otechët 1941/1942: 42-55. 1944. 106 M8525

6981 PAAUW, F. VAN DER. Een onderzoek naar den invloed van het in gekorrelde vorm toepassen van fosfaat bevattende meststoffen op de beschikbaarheid van dit bestanddeel. Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek., No. 50 (6) A, p. 207-229. 's-Gravenhage, 1945. 105.2 V61V

6982 PRĀNISHNIKOV, D. N. Chem zamenit' azotistye udobreniya pod khlochatnik vo vremia voyny [What can be substituted for nitrogen fertilizers under cotton in wartime]. Vsesoyuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gdritsa. Nauch. Otkhēt 1941/1942: 20-22. 1944. 106 M8525

6983 TERMAN, G. L. Effectiveness of fused phosphate of different particle size. Soil Sci. Soc. Amer. Proc. (1944) 9: 154-158. 1945. 56.9 So3

#### Secondary and Minor Element Materials

6984 CARLTON, R. A. Improving tomato yields; effect of trace elements on south Florida soils. Fla. Grower 53(12): 25-26. Dec. 1945. 80 F6622

6985 GRATZ, L. O. Trace elements serve farmer. Fla. Grower 53(12): 19-20, 23. Dec. 1945. 80 F6622

6986 MOWRY, H. The magic minor elements; Florida finds copper, boron, manganese, zinc increase yields, open new growing areas. South. Seedsman 8(11): 15, 38, 42. Nov. 1945. 61.8 So8

6987 TRACE elements in agriculture. Farmer [Pietermaritzburg] 34(41): 19. Oct. 12, 1945. 24 F227

#### Mixed Fertilizers and Fertilizer Technology

6988 BRAND, C. J. Postwar prospects of the fertilizer industry. Chemurg. Digest 4: 345-351. Nov. 15, 1945. 381 N213Na

6989 CURTIS, H. A. America's fertilizer industry. Internat. Indus. 26: 411-413. Dec. 1945. 382 In8

6990 O'NEAL, E. A. Cooperative competition brought progress in Alabama. News for Farmer Coop. 12(8): 1, 8. Nov. 1945. 166.2 N47

Home mixing of fertilizers fostered by the Alabama Farm Bureau Federation.

#### Fertilizer Statistics

6991 CHUCKA, J. A. Fertilizer requirements of the Northeast. Northeast. Wood Util. Council. B. 7, p. 7-13. 1945. 99.9 N819

6992 DAYTON, C. E. Early movement of fertilizer. G. L. F. Week 10(22): 3. Nov. 26, 1945. 280.28 G113W

6993 EWO, A. M. Soil building program. G. L. F. Week 10(22): 2. Nov. 26, 1945. 280.28 G113W

On the fertilizer situation.

6994 FERTILIZER exports and imports during the war years. Amer. Fert. 103(10): 14-16. Nov. 17, 1945. 57.8 Am3

6995 HOFFER, G. N. There is a need for potash fertilizers in the Midwestern States. Com. Fert. 71(5): 16-19, 37-39. Nov. 1945. 57.8 C73

6996 TURRENTINE, J. W. Potash - in war and peace. Better Crops with Plant Food 29(9): 17-23. 42-45. Nov. 1945. 6 B46

Statistics of production and consumption.

#### Mineral Soil Amendments

6997 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Le danger du surchausage. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 715-720. Nov./Dec. 1944. 66.9 In7

6998 DECOUX, L., and GOIDSENHOVEN, W. VAN. La valeur des calcaires broyés. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 741-742. Nov./Dec. 1944. 66.9 In7

6999 FEDROV-ZIFMAN, O. K., TARUSOV, S. S., and ALIAMOVSKIĬ, N. I. Razrabotka priĭmov effektivnogo ispol'zovaniia izvestkovykh udobrenii [Methods for the effective utilization of lime fertilizers]. Vsesoyuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gdritsa. Nauch. Otkhēt 1941/1942: 55-77. 1944. 106 M8525

7000 SMITH, J. A. Homemade fertility [use of lime as a soil improver]. Pa. Farmer 133: 328-329, 333. Dec. 8, 1945. 6 P383

7001 VOSKUIL, W. H., and STEVENS, D. F. Agstone used in Illinois in 1944; preliminary annual report. Ill. Geol. Survey C. 119, 8 p., processed. Urbana, 1945. 406 IL6C

For soil improvement.

#### Manures and Composts

7002 ANIANSSON, G. Fortsatta försök med nedplöjning av halm efter skördetröska. Continued experiments on the plowing down of straw after threshing. Lantmannen 29: 983-984. Nov. 3, 1945. 11 L234

Use of straw as a fertilizer.

7003 ARIES, R. S. Research on lignin as a soil builder. Northeast. Wood Util. Council. B. 7, p. 56-64. 1945. 99.9 N819

7004 BACAL, B. La industrialización de la turba aumenta la producción agrícola. Unión Indus. Argentina. Rev. 58(920): 44-45. Aug. 1945. 280.9 Un37

Fertilizer and other agricultural uses.

7005 BEST, L. A. Here are figures on the dollar value of manure. Farm and Dairy [Salem] 32(8, i. e. 11): 4. Nov. 23, 1945. 6 F2279

7006 CHOUSSY, F. Producción y utilización del estiércol en fincas y haciendas de El Salvador. El Salvador. Inst. Tec. An. 1(1): 127-150. 1944. 8 Sa34

7007 CHOWDHURY, S. Manures and manuring. Ch. VII. Night soil. Allahabad Farmer 19: 95-99. July 1945. 22 AL5

7008 DUNN, S., SEIBERLICH, J., and EPELSHEIMER, D. S. The use of lignin in potato fertilizer. Northeast. Wood Util. Council. B. 7, p. 21-26. 1945. 99.9 N819

7009 FALHA GROWERS ASSOCIATION. The necessity of turning under organic manure soon after it is brought to the field. (In Hebrew.) Hassadeh 26: 43-44. Oct. 1945. 26 H27

7010 GOLDING, J. A. Human wastes and the dropping pit. Organic Gard. 8(2): 31-33. Jan. 1946. 56.8 Or3

7011 HOLTZINGER, J. E. Composter solves manure problem. Small Stock Mag. 29(12): 3. Dec. 1945. 48.8 Ph42

Compost made from rabbit manure mixed with other waste materials.

7012 HOWARD, SIR A. Compost and healthy soil. Organic Gard. 8(2): 4-5. (Cont.) Jan. 1946. 56.8 Or3

7013 HUTCHESON, T. B. There's money in manure. South. Planter 106(12): 6, 10-11. Dec. 1945. 6 So89

7014 JOGLAR-RODRÍGUEZ, F. Estiercol artificial. Rev. del Café 1(5): 41. Oct. 1945. 8 R3295

7015 A KEYWORD for good returns: manure! By Protea. Farmer [Pietermaritzburg] 34(38): 14. Sept. 21, 1945. 24 F227

7016 KOCHETKOV, V. P. O navoze i primeneni ego v vostochnykh oblastfakh SSSR [Concerning manure and its use in the eastern regions of U. S. S. R.] Vsesoyuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gdritsa. Nauch. Otkhēt 1941/1942: 135-159. 1944. 106 M8525

7017 LUNT, H. A. The value of wood ashes as fertilizer. Northeast. Wood Util. Council. B. 7, p. 14-20. 1945. 99.9 N819



7018 MAMCHENKOV, I. P., ROMASHKEVICH, I. F., and FERUL'SKAYA, V. P. Razrabotka priemov ratsional'nogo khraneniya i primeneniya navoza i torfa [Development of methods for rational storage and application of manure and peat]. Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroizt'sa. Nauch. Otkryt 1941/1942: 26-42. 1944. 106 M8525

7019 MIDGLEY, A. R. The use of sawdust, shavings and superphosphate with dairy manure. Northeast. Wood Util. Council. B. 7, p. 27-36. 1945. 99.9 N819

7020 PICKFORD, P. T. H., JONES, J. O., and TODD, J. C. Investigations on composting. Straw-sludge composts. Progress report I. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 110-114. 84 B77  
Method of preparation.

7021 POST, P. M. Concerning leafmold. Begonia 12: 217. Nov. 1945. 96.511 B39

7022 SEIBERLICH, J. Fundamentals of lignin chemistry as applied to fertilizers. Northeast. Wood Util. Council. B. 7, p. 49-55. 1945. 99.9 N819

7023 T., L. G. Storage of farm-yard manure. Country Life [London], 98: 831. Nov. 9, 1945. 80 C83

7024 TORSTENSSON, G., and ANIANSSON, G. Nedplöjning av halm efter skördetröska [Plowing straw down after the harvest]. Lantmannen 29: 929-931. 932. Oct. 20, 1945. 11 L234

7025 WALDEN, M. City lot compost-making. Amer. Home 35(1): 58. Dec. 1945. 80 Am313

7026 WHITE, J. W. Comparisons of sawdust and wheat straw for bedding and value as fertilizer. Northeast. Wood Util. Council. B. 7, p. 37. 1945. 99.9 N819

## FORESTRY

### FOREST ECONOMICS AND POLICY

7027 ALLHEIMEN, H. La forestación de las sierras de Córdoba. Sobre fundación de una Sociedad Cooperativa de Fomento Forestal. Chacra 16(181): 36, 96. Nov. 1945. 9 C34

7028 ANDERSON, M. L. The importance of forestry in national planning. Irish Forestry 2: 57-61. Oct. 1945. 99.8 Ir4

7029 ARMOUR RESEARCH FOUNDATION. El problema de los bosques en la Argentina. Res 13: 17836-17838. Aug. 20, 1945. 286.85 R31

7030 GUERRA DE LA PIEDRA, A. Cuba y el problema forestal. Tierra Libre 9(9): 10. Sept. 1945. 8 T443

7031 HARRIS, A. C. Post-war policy in Great Britain. A summary of British post-war forestry proposals from the report of British Forestry Commission. Austral. Forestry 9: 73-80. 1945. 99.8 Au74

7032 HOUTZAGERS, G. Prae-advies voor de boschdagen 1945 over de kosten van herbebossing. Nederland. Boschbouw Tijdschr. 17: 334-336. Dec. 1945. 99.8 N28

7033 KESSELL, S. L. Post-war timber supply. Austral. Forestry 9: 12-24. 1945. 99.8 Au74

Discusses outlook for wood imports into Australia as well as local production.

7034 LÓPEZ, E. D., and CUSSAC, C. Importancia económica de los montes forestales. Uruguay Indus. 1: 94. Mar./Apr. 1945. 280.8 U-8

7035 ORTIZ GARMENDIA, J. El plan agrario y la reforestación. Campesino [Santiago] 78, 1. e. 77: 515-516, 545. Sept. 1945. 9.3 Sol2

7036 RANGHEL GALINDO, A. El problema forestal colombiano y sus posibles soluciones. Agr. Trop. 1(9): 3-6. Oct. 1945. 26 Ag8

7037 ROBINSON, SIR R. Comments from Britain on the "Wallace" report on postwar forestry in Canada. Timber of Canada 6(4): 39-41. 70. Dec. 1945. 99.81 T487

7038 SCHORMAN, K. L. Revision of the State [forest] planting grant scheme. Irish Forestry 2: 75-76. Oct. 1945. 99.8 Ir4

7039 SPEIGHT, W. L. Timber in South Africa. Wood 10: 272. Nov. 1945. 99.82 W855  
Possibilities for imports into the Union of South Africa of wood from Southern Rhodesia, Belgian Congo, and Tanganyika.

7040 VIDAL, J. J. Argentina's timber requirements; need for a rational forestry policy. Rev. River Plate 99(2809): 14, 16. Oct. 12, 1945. 286.8 R32

### Legislation

7041 LEY FORESTAL para la Republica de Guatemala, proyecto presentado por el Ministerio de Agricultura al honorable Congreso Nacional. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 489-494. June/July 1945. 8 G934

### FOREST DESCRIPTION AND RESOURCES

7042 ANGEL TOBAL, M. Nuestras especies forestales; referencias del tatané, ibirá-pitá, timbó, agual-miní y curupicay. Pampa Argentina 19(216): 12. Aug. 1945. 9 P19

7043 KLEMM, M. Deforestation in Europe. J. Forestry 43: 842. Nov. 1945. 99.8 J768

7044 MACDANIELS, E. H. About that timber supply. J. Forestry 43: 802-804. Nov. 1945. 99.8 J768

7045 POLLARD, J. Forests of the [Northern] Territory [of Australia]. Walkabout 11(8): 10-12. June 1, 1945. 331.8 W15

7046 ROSS, C. R., and SLOCUM, G. K. Forestry at the crossroads in North Carolina. Amer. Forests 51: 598-601, 614. Dec. 1945. 99.8 F762

Previews findings of American Forestry Association Forest Resource Appraisal.

7047 SEAMAN, H. M. Trees at work. South. Lumberman 171(2153): 125-126, 128. Dec. 15, 1945. 99.81 So82

Resources of southern forests.

7048 STANDLEY, P. C. Notes on some Guatemalan trees. Yale U. School Forestry. Trop. Woods, No. 84, p. 1-18. Dec. 1, 1945. 99.08 Y1Tr

7049 T., C. G. Sherwood Forest [England]. Wood 10: 275-277. Dec. 1945. 99.82 W855

7050 WOODS, C. The forests are friends. N. Mex. 23(12): 20-21, 42-44. Dec. 1945. 268.8 N46

On trees and forests of New Mexico.

7051 WOODS, J. B. More standing timber than generally supposed. West Coast Lumberman 72(12): 89, 113. Dec. 1945. 99.81 W62

Tentative conclusions of the American Forestry Association Forest Resource Appraisal.

7052 YARHAM, E. R. The German forests. Wood 10: 263-266. Nov. 1945. 99.82 W855

7053 ZUKOWSKI, A. A. Tomorrow's timber; the role of Russia. Wood 10: 312-313. Dec. 1945. 99.82 W855

### Individual Genera and Species

7054 BOLIN, L. Eken är ett kulturvärde [The oak is of cultural value]. Lantmannen 29: 956-958. Oct. 27, 1945. 11 L234

Importance of oaks in giving character and beauty to the Swedish landscape.

7055 BRUSH, W. D. Utah juniper (Juniperus utahensis (Engelm.) Lemm.). Amer. Forests 51: 602-603. Dec. 1945. 99.8 F762

7056 DEVOTO, F. E. La acacia. Chacra 16 (181): 32-33. Nov. 1945. 9 C34

- 7057 GORDON, D. In praise of the Scots pine. Field 186: 394-395. Oct. 20, 1945. 10 F45
- 7058 HELMS, A. D. A giant eucalypt. (*Eucalyptus regnans*.) Austral. Forestry 9: 25-28. 1945. 99.8 Au74
- Measurements and increment study of tree felled in Tasmania in 1942.
- 7059 LA MACIURA puede ser un excelente forestal para una extensa zona. Chacra 15(180): 26-27. Oct. 1945. 9 C34
- 7060 MCMAHON, F. Sitka spruce in Irish forestry. Irish Forestry 2: 66-71. Oct. 1945. 99.8 Ir4
- 7061 PONCE DE LEÓN, A. Joyas de la flora cubana. El cedro (*Cedrela mexicana* Roem.). Soc. Cubana de Bot. Rev. 2: 53. Mar./Apr. 1945. 451 So123
- 7062 PONTE R., V. Olivo. Agr. Venezol. 9 (107/108): 42-43. Mar./Apr. 1945. 9.95 Ag8
- Capparis flexuosa* for reforestation and oil.
- 7063 WAHLENBERG, W. G. Longleaf pine. (Sum.) South. Lumberman 171(2153): 168-170. (To be cont.) Dec. 15, 1945. 99.81 So82

## FOREST ADMINISTRATION AND MANAGEMENT

- 7064 ASTORGA BARRIGA, E. Una gran campaña de forestación; el culto de los árboles y bosques en el Canada. Campesino [Santiago] 78, i. e. 77: 527-529. Sept. 1945. 9.3 So12
- 7065 BOLLLEY, J. L. Les travaux de reboisement et de défense exécutés en Suisse de 1876 à 1943. Rev. pour l'Étude des Calamités 8(22): 2-25. Jan./June 1945. 240.8 R32
- 7066 GUINIER, P. La mise en valeur des Landes de Gascogne et la création de la forêt landaise. L'oeuvre de Chambrelent. Rev. des Eaux et Forêts 83: 445-469. Aug. 1945. 99.8 R322
- An account and evaluation of a great reforestation project carried out in France in the nineteenth century.
- 7067 MADDEN, T. S. Observations on the results of cutting back naturally regenerated and planted ash at Donadea Forest. Irish Forestry 2: 74-75. Oct. 1945. 99.8 Ir4
- 7068 MAISENHOLDER, L. C. Bottomland hardwood management studied in Mississippi. South. Lumberman 171(2153): 117-121. Dec. 15, 1945. 99.81 So82
- 7069 PEARSON, G. A. More about ponderosa pine cutting cycles. J. Forestry 43: 840-842. Nov. 1945. 99.8 J768
- 7070 PRATS ZAPIRAIN, M. Portugal forestal (notas de un viaje). Montes 1: 126-133, 209-217. May/June-July/Aug. 1945. 99.8 M763
- 7071 RATTRAY, L. C. M. The cultivation of timber and possibilities for future expansion in the sugar belt of Natal and Zululand. So. African Sugar Technol. Assoc. Proc. (1945) 19: 71-73. 65.9 So83
- 7072 REYNOLDS, R. R., and RAWLS, I. W. Grade of material removed in first selection cut in Crossett Experimental Forest stands. South. Lumberman 171(2153): 139-140. Dec. 15, 1945. 99.81 So82
- 7073 SARGOS, R. Contribution à l'histoire du boisement des Landes [France]. Rev. des Eaux et Forêts 83: 521-534. Sept. 1945. 99.8 R322
- Deals particularly with the work of Henri Crouzet.
- 7074 SCHAEFFER, L. Le mouvement forestier à l'étranger. La restauration du bassin de Tennessee. Rev. des Eaux et Forêts 83: 470-478. Aug. 1945. 99.8 R322
- 7075 SOCIETY OF AMERICAN FORESTERS. COMMITTEE ON MANPOWER. Postwar requirements for foresters, preliminary report. J. Forestry 43: 783-797. Nov. 1945. 99.8 J768
- Cedric H. Guise, Chairman of Committee.
- 7076 W., S. E. Transformation, cleaning a young larch plantation. Wood 10: 298-299. Dec. 1945. 99.82 W855
- 7077 WACKERMAN, A. E. The lumber industry must grow its future timber supply. South. Lumberman 171(2153): 122-124. Dec. 15, 1945. 99.81 So82

## Farm Woodlands

- 7078 CHRISTENSON, C. M. Farm woodlots mean profit and conservation. Impl. & Tractor 60(23): 30-31, 44. Nov. 17, 1945. 58.8 W41
- 7079 DRIVER, D. Christmas tree harvest starts [in British Columbia]. Family Herald and Weekly Star 75(49): 6. Dec. 5, 1945. 7 F21
- 7080 DUCHAINE, W. J. Christmas trees for life insurance. Amer. Forests 51: 608. Dec. 1945. 99.8 F762
- 7081 DUNLOP, D. A coppice for fencing timber. Farmer & Stock-Breeder 59: 1912. Nov. 27, 1945. 10 F228
- 7082 HOPKINS, W. C. Pulpwood in farm forest economy. Miss. Farm Res. [Miss. Sta.] 8(10): 1, 8. Oct. 1945. 100 M69M1
- 7083 O'BYRNE, W. What's next in the farm woods? South. Planter 106(12): 34-35. Dec. 1945. 6 So89
- 7084 ORTIZ GARMENDIA, J. Barreras forestales. Campesino [Santiago] 77: 455-457. Aug. 1945. 9.3 So12

## Mensuration

- 7085 CROW, A. B. A method of determining forest areas from aerial photograph index sheets. J. Forestry 43: 812-813. Nov. 1945. 99.8 J768
- 7086 GRIFFITH, A. L. The efficiency of enumerations. I-IV. Forest Res. Inst., Dehra Dun. Indian Forest Leaflet 83, 6 p.; 84, 21 p.; 85, 26 p. Dehra Dun, 1945. 99.9 F768
- No. 83: I. The problem; 84: II. Madras tropical wet evergreen forest [and] III. Tropical calculations; 85: IV. Madras moist mixed deciduous forest.
- 7087 MERRILL, F. B. The B-10 tree stick. J. Forestry 43: 814-816. Nov. 1945. 99.8 J768
- 7088 RUDEN, T. Kubering av björk på rot (Massentafeln für birke). Norske Skogforsskav. Meddel. 8: 519-529. 1944. 99.9 N833
- German summary.
- 7089 SORENSEN, C. J. Board foot - cubic foot conversion values. Timberman 47(2): 42-43. Dec. 1945. 99.81 T484
- 7090 STOATE, T. N. The use of a volume equation in pine stands. Austral. Forestry 9: 48-52. 1945. 99.8 Au74
- Includes volume table for Monterey pine.

## FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Pathology in the Plant Science section; articles on forest insects in the Entomology section.

## Fire

- 7091 BASER, C. J. Tillamook burn was a mere bonfire. South. Lumberman 171(2153): 134-136. Dec. 15, 1945. 99.81 So82
- The forest fire problem in the South.
- 7092 GROOM, P. Airplane used for forest fire detection. South. Lumberman 171(2153): 127-128. Dec. 15, 1945. 99.81 So82
- 7093 H., P. C. El avión en los incendios forestales. Agricultura [Madrid] 14: 417-418. Aug. 1945. 15 Ag84
- 7094 INCOLL, F. S. Use of radio communication for fire protection. Austral. Forestry 9: 29-32. 1945. 99.8 Au74
- 7095 O'DONNELL, J. Some aspects of fire prevention in Western Australia. Austral. Forestry 9: 41-47. 1945. 99.8 Au74

## SILVICULTURE

See Items 6192-6201



## LUMBERING

- 7096 BEDNALL, B. H. Sleeper sawmilling in Western Australia. Austral. Forestry 9: 61-65. 1945. 99.8 Au74
- 7097 KNOTH, R. F. Are you interested in tropical timber? South. Lumberman 171(2153): 145-146. Dec. 15, 1945. 99.81 So82
- Lumbering conditions in Central America.
- 7098 TUINMAN, I. A. S. Prae-advies voor de boschdagen 1945 over den arbeid. Nederland. Boschbouw Tijdschr. 17: 333-334. Dec. 1945. 99.8 N28
- 7099 TURNBULL, R. F. Timber in Australia in wartime. Austral. Forestry 9: 66-69. 1945. 99.8 Au74
- 7100 VENABLES, C. J. German timber problems. Timber Trades J. 175: 435-436. Dec. 1, 1945. 99.81 T48
- Conditions in the British Zone of Occupation.

Equipment

- 7101 CRESTIN, F. Quelques dispositions particulières de téléphériques pour le transport des bois. Rev. des Eaux et Forêts 83: 505-515. Sept. 1945. 99.8 R322
- 7102 JONES, S. Chaney Lumber Co. uses mechanized equipment throughout. Timber Topics 8(4): 1, 3-4. Nov./Dec. 1945. 99.81 T486
- 7103 TOLES, G. Pulpwood cutting by the portable engine-driven chain saw. South. Pulp & Paper J. 8(6): 41. Nov. 1945. 302.8 So8

Logging

- 7104 GAGNON, N. Comment abattre un arbre. Conservation [Quebec] 2(12): 8. Dec. 1945. 275.28 C763
- 7105 SMITH, B. She's talking! She's going! A glimpse of Australian loggers at work. South. Lumberman 171(2153): 141-145. Dec. 15, 1945. 99.81 So82

Lumber Industry

- 7106 BERCKES, H. C. Lumber supply? - the \$64 question. Com. B. 87(4635): 10. Dec. 15, 1945. 286.8 C736
- 7107 BRUCE, C. A. Lumber teamwork and research are the watchwords. Com. B. 87(4635): 12. Dec. 15, 1945. 286.8 C736
- 7108 COLGAN, R. A. This is postwar. South. Lumber J. 49(12): 14, 72. Dec. 1945. 99.81 So8
- Situation and outlook in the lumber industry. Also in South. Lumberman 171(2153): 107-108. Dec. 15, 1945. 99.81 So82
- 7109 GREELEY, W. B. Lumber looks out of the foxholes. J. Forestry 43: 798-801. Nov. 1945. 99.8 J768
- Situation and outlook in the West Coast lumber industry.
- 7110 HEUER, D. F. Exports on the come-back. South. Lumberman 171(2153): 153-154. Dec. 15, 1945. 99.81 So82
- Situation and outlook in the lumber export business.
- 7111 KRUG, J. A. Lumber's war record. Amer. Forests 51: 606, 619-621. Dec. 1945. 99.8 F762
- Part of his final report as chairman of the U. S. War Production Board.
- 7112 THE LUMBERMEN'S annual forum. South. Lumberman 171(2153): 99-106. Dec. 15, 1945. 99.81 So82
- A group of letters from a cross section of the lumber trade.
- 7113 MAVERICK, M. The Smaller War Plants Corporation and the lumber industry. Vt. Wood Prod. Conf. Rpt. (1945) 5: 54-55. 1945. 99.9 V594
- 7114 QUIGG, F. B. Lumber was ready for war. South. Lumberman 171(2153): 109-110. Dec. 15, 1945. 99.81 So82

- 7115 SIMPSON, H. V. West Coast lumber enters a new cycle. Com. B. 87(4635): 11. Dec. 15, 1945. 286.8 C736
- 7116 VAULTRIN, R. Du nouveau dans la répartition du bois. Rev. des Eaux et Forêts 83: 516-520. Sept. 1945. 99.8 R322
- Regulation of wood distribution in France.
- 7117 WISCONSIN RETAIL LUMBERMENS ASSOCIATION. Directory of Wisconsin and Upper Michigan retail lumber dealers. Sept. 1945, 32 p. Milwaukee, 1945. 225 W753

Sawmills

- 7118 BOOMSMA, C. D. The disposal of sawmill waste. Austral. Forestry 9: 53-60. 1945. 99.8 Au74
- 7119 CROSS, A. J. Bomb project runs own sawmill. Timberman 47(2): 92. Dec. 1945. 99.81 T484
- Sawmill operated by U. S. Army Engineer Corps at Los Alamos, N. Mex., project.
- 7120 SCHLATTER, E. J. Improvements in small sawmill operations. South. Lumberman 171(2153): 160-162. Dec. 15, 1945. 99.81 So82
- 7121 SIMMONS, F. G. Various methods of loading lumber at small sawmills. Canada Lumberman 65(23): 39-40, 80. Dec. 1, 1945. 99.81 C16

## WOOD TECHNOLOGY

Chemical and Physical Properties

- 7122 ABADIE, F. Contribution à l'hydrolyse des celluloses du bois. Paris Acad. des Sci. Compt. Rend. 220: 409-410. Mar. 19, 1945. 505 P21
- 7123 KLEM, G. G., LÖSCHERANDT, F., and BADE, O. Undersøkelser av granvirke i forbindelse med slibe- og sulfittkokeforsøk (Investigations of spruce wood in connection with mechanical wood pulp and sulphite pulp experiments). Norske Skogforsøkskv. Meddel. 9: 1-127. 1945. 99.9 N833
- English summary.
- 7124 LIMBACH, J. P., and PAUL, B. H. Variation in the specific gravity of balsa and its relation to longitudinal shrinkage. Yale U. School Forestry. Trop. Woods, No. 84, p. 18-23. Dec. 1, 1945. 99.08 Y1Tr
- 7125 LOVELL, E. L. Fibrous holocellulose from softwoods. Indus. and Engin. Chem. Indus. Ed. 37: 1034-1037. Nov. 1945. 381 J825
- 7126 THUNELL, B. Beräkning av tryckta stråvor av furuvirke med hänsyn till virkets kvalitet. The effect of the quality of the timber on the stresses to be allowed in posts and struts of redwood exerted to axial loading. Statens Provvningsanst., Stockholm Meddel. 90, 26 p. Stockholm, 1944. Ref., p. 25-26. 290.9 St6
- English summary, p. 24-25.
- 7127 WHIPPLE, O. K. The hydrolysis of wood waste. Vt. Wood Prod. Conf. Rpt. (1945) 5: 13-26. 1945. 99.9 V594

Preservative Treatment

- 7128 HOWELL, H. A. Treating fence posts on the farm. Ark. Farmer 47(11): 8-9. Nov. 1945. 6 Ar42
- 7129 PUTMAN, R. B. Flameproofed lumber. South. Lumberman 171(2153): 111-113. Dec. 15, 1945. 99.81 So82
- 7130 WARE, L. M. Meeting the post problem. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(12): 68, 74. Dec. 1945. 6 P945G
- Preservative treatments for fence posts.

## FOREST PRODUCTS

- 7131 ARTHUR, J. K. Wood goes whole log. Forbes 56(11): 18-19. Dec. 1, 1945. 280.8 F74
- On chemical utilization of wood waste.

7132 ASPEN comeback; wartime performance of formerly unpopular wood brings study of new peacetime uses. *Business Week*, No. 850, p. 56, 58. Dec. 15, 1945. 280.8 Sy8

7133 AUSTIN, M. F. What's ahead for raw materials: tung oil, wood oil. *Paint and Varnish Prod. Mgr.* 25: 320, 322. Dec. 1945. (Madison Sub-Branch Lib.)

7134 DAVIS, W. Nuevos progresos en la elaboración y transformación de la madera. *Campesino* [Santiago] 78, i. e. 77: 540-542. Sept. 1945. 9.3 Sol2

7135 GILARDI RODRIGUEZ, L. Subproductos de la explotación de bosques. *Agronomía* [Lima] 10(40): 39-59. Apr. 1945. 9.8 Ag83

Deals chiefly with charcoal making, wood distillation, and resinous products.

7136 GRIFFITHS, N. Trees that grow shipshape. *Walkabout* 11(11): 13-14. Sept. 1, 1945. 331.8 W15

7137 LAWREN, J. Santa's friend, Will Grounds, the wood toy man. *South. Lumber J.* 49(12): 50, 52. Dec. 1945. 99.81 So8

Account of successful wooden toy business utilizing waste wood from construction of prefabricated structures.

7138 ONFUELA, A. Industrias de destilación de la madera. *Agricultura* [Madrid] 14: 392-395, 456-460. Aug.-Sept. 1945. 15 Ag84

7139 PRAT, L. DE. Alambiques desmontables, especiales para destilar leña en pleno monte. *Montes* 1: 184-187. July/Aug. 1945. 99.8 M763

7140 RAMOS, J. L. Placas duras. *Montes* 1: 218-219. July/Aug. 1945. 99.8 M763

Properties and manufacture of "hard" wallboard.

7141 RODGERS, W. C. The future for wood industries in Vermont. *Vt. Wood Prod. Conf. Rpt.* (1945) 5: 5-12. 1945. 99.9 V594

7142 SWORDS, M. The use of home-grown timber for the manufacture of matches during the emergency. *Irish Forestry* 2: 72-73. Oct. 1945. 99.8 Ir4

7143 THUNELL, B. Förfarande vid hållfasthetsprovning av lim för sammanfogning av trä och klassindelning med hänsyn till motståndsförmågan mot fukt och vatten. *Statens Provningsanst.*, Stockholm. Meddel. 95, 11 p. Stockholm, 1944. 290.9 St6

Testing and classifying glues for wood bonding.

7144 TVA FLOORING; full hardwoods are used in laminated product developed to help provide new manufacturing opportunities in Valley. *Business Week*, No. 850, p. 58, 63. Dec. 15, 1945. 280.8 Sy8

7145 UHL, H. G. Forest industries search for new sources of profit. Bridging gap between research and practical application of results of objective studies. *Canada Lumberman* 65(21): 8-10, 20, 22. Nov. 1, 1945. 99.81 C16

7146 VEACH, J. B. Education for the new age of wood. *Com. B.* 87(4635): 4. Dec. 15, 1945. 286.8 C736

Wood treatment and utilization.

#### Barrels, Boxes, and Crates

7147 MARRA, G. G. Sound box-making starts with lumber inspection. *Plane Facts* 3(9): 18-21. Sept. 1945. (Madison Sub-Branch Lib.)

7148 O'DONNELL, J., and GORRINGE, F. Jarrah [*Eucalyptus marginata*] for butter boxes. *Austral. Forestry* 9: 70-72. 1945. 99.8 Au74

7149 PARSONS, H. D. Bring nailing know-how to box making. *Plane Facts* 3(9): 24-25. Sept. 1945. (Madison Sub-Branch Lib.)

#### Building Construction

7150 BENET, H. J. Estructuras de madera, uso de los modernos conectores para madera. *Irrig. en Mex.* 26(2): 109-118. Apr./June 1945. 55.8 Ir76

7151 DUBIN, E. A. Glued-laminated arches with sawed laminations. *Mech. Engin.* [New York] 67: 813-819, 838. Dec. 1945. 291.9 Am3J

7152 KETCHUM, V. New uses of glued-laminated timber structures. *South. Lumberman* 171(2153): 147-153. Dec. 15, 1945. 99.81 So82

7153 REECE, P. O. Design of timber structures. *Timber of Canada* 6(4): 57-59, 63-65, 69. Dec. 1945. 99.81 T487

#### Charcoal

7154 JUAREZ HERRERA, R. El carbón vegetal en la economía doméstica como producto de la destilación seca de las maderas. *Méx. Forest.* 23: 55-57. June/Sept. 1945. 99.9 M57

#### Furniture

7155 FOSTER, L. B. Manufacturing veneered dining-room furniture. *Veneers and Plywood* 39(12): 10, 12-13. Dec. 1945. 99.82 V55

#### Naval Stores

7156 CID, A. La explotación de mieras desde el punto de vista forestal. *Montes* 1: 100-102. May/June 1945. 99.8 M763

7157 FERNANDEZ R., J. Breves apuntes sobre la industria resinera. *Méx. Forest.* 23: 51-54. (Concl.) June/Sept. 1945. 99.9 M57

7158 KRESS, O. What's ahead in raw materials: tall oil. *Paint and Varnish Prod. Mgr.* 25: 318. Dec. 1945. (Madison Sub-Branch Lib.)

7159 RIFE, P. Las resinas españolas y sus industrias derivadas. *Montes* 1: 138-142. May/June 1945. 99.8 M763

#### Plastics

7160 BLAKE, S. W. Cellulosic materials and the plastics industry. *Pulp and Paper Mag. Canada* 46: 925-927. Nov. 1945. 302.8 P96

Summarizes latest developments in the use of wood, wood pulp, and paper in the manufacture of plastics.

7161 LYNCH, C. Developments in improved woods in Australia. *Timber of Canada* 6(4): 50-51. Dec. 1945. 99.8 T487

Impregnated, compressed, and plasticized wood.

#### Pulp and Paper

7162 BURBANK, P. E. The role of paper boxes in air shipping. *Amer. Box Maker* 34(10): 9-11, 25. Nov. 1945. 99.82 Am3

7163 COMPARISON of various methods of sulphite pulping from the point of view of waste liquors. *Northeast. Wood Util. Council. B.* 7: 65-72. Oct. 1945. 99.9 N819

Appendix to paper by R. S. Aries.

7164 CUBBERLEY, R. H. Sizing of V board component stock with asphalt water emulsions. *Paper Mill News* 68(49): 95, 115. Dec. 8, 1945. 302.8 P195

7165 DOBROW, M. Fine paper production outlook. *Paper Mill News* 68(49): 22. Dec. 8, 1945. 302.8 P195

7166 HARDWOOD paper; semiochemical process gives promise of important economies through utilization of woods that were neglected in past. *Business Week*, No. 850, p. 54, 56. Dec. 15, 1945. 280.8 Sy8

7167 MYERS, E. C. W5c fiberboard boxes for canned foods. Part II - Results of tests. *Amer. Box Maker* 34(10): 12-15, 28. Nov. 1945. 99.82 Am3

7168 NOLAN, P. A. The "fading" of groundwood by light. V. Inhibition of fading through the use of ultraviolet absorbing compounds. *Paper Trade J.* 121(TAPPI Sect.): 35-39. Dec. 6, 1945. 302.8 P196

7169 RIBIÈRE-RAVERLAT, J. Impressions of an interned French papermaker. *Pulp and Paper Mag. Canada* 46: 907-910. Nov. 1945. 302.8 P96

Conditions in two mills in Germany during the war.



7170 ROY, G. La forêt canadienne s'en va-t-elle aux presses. R. des Agr. 41(10): 8-11, 19. Oct. 1945. 7 B872

Canada as a producer of wood pulp.

7171 SOLVAY PROCESS CO. Ammonium bisulphite wood pulping; preliminary report. Solvay Process Co. Tech. Serv. Rpt. 12.45, 17 p., processed. Syracuse, 1945. 302.8 S04

7172 STROVINK, F. A. Practical application of melamine resin in paper. Paper Mill News 68(49): 28, 30, 32, 96, 98, 100-101. Dec. 8, 1945. 302.8 P195

7173 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. CONTAINER TESTING COMMITTEE. Water resistance of shipping containers (shower method); TAPPI Suggested Method 805 sm-45. Paper Trade J. 121(TAPPI Sect.): 225-226. Dec. 13, 1945. 302.8 P196

7174 THOMAS, A. S. Why pulp and paper statistics? Paper Mill News 68(49): 19, 102-105. Dec. 8, 1945. 302.8 P195

7175 WEBB, F. T. The Canadian pulp and paper industry. Canad. Geog. J. 31: 285-299. Dec. 1945. 470 C162

#### Veneers and Plywood

7176 FULLER, P. Compound curves in molded plywood now produced by mass production methods. Plastics and Resins 4(11): 9-10, 32. Nov. 1945. 309.8 P695

7177 HYLER, J. E. Heat application for gluing. Veneers and Plywood 39(12): 18, 20. Dec. 1945. 99.82 V55

7178 KNIGHT, R. A. G. Long-term weathering tests on plywood glues. Wood 10: 309-311. Dec. 1945. 99.82 W855

7179 SLIPKO, C. W. Chile's plywood and veneer industry. Veneers and Plywood 39(12): 26, 28-29. Dec. 1945. 99.82 V55

#### Wood as Fuel

7180 KLEM, G. G. Tørke- og lagringsforsøk med brenneved (Drying and storing investigations of fuel wood). Norske Skogforsøkskv. Meddel. 8: 475-516. 1944. Ref. 99.9 N833

7181 MARTÍNEZ HERMOSILLA, P. Posible contribución forestal al plan nacional de combustibles líquidos. Montes 1: 220-226. July/Aug. 1945. 99.8 M763

7182 WILEY, E. C. Stack losses from wood fuel. Heating and Ventilating 42(11): 67. Nov. 1945. 291.8 H35  
Charts.

7183 YOUL, J. W., and MOULDS, F. R. Firewood utilisation in Victoria. Part II. Austral. Forestry 9: 33-40. 1945. 99.8 Au74

#### MISCELLANEOUS

7184 ALLEN, A. C. Livestock men inspect Pike [National] Forest. Colo. Wool Grower and Marketer 11(9): 6. Nov. 1945. 280.38 C71

Account of meeting in connection with restriction of grazing on Pike National Forest.

7185 ALLEN, S. W. Making a living as a forester. South. Lumberman 171(2153): 155-159. Dec. 15, 1945. 99.81 S082

7186 BERUBE, J. Les arbres. Conservation [Quebec] 2(12): 14. Dec. 1945. 275.28 C763  
Arbor Day address.

7187 CONNAUGHTON, C. A., and HAIG, I. T. Forest research in the South being expanded. South. Lumberman 171(2153): 129-133. Dec. 15, 1945. 99.81 S082

7188 DAY, W. R. Statistical method and forestry. Forestry Abs. 6: 209-211. 1945. 241.01 Im7

7189 PHILLIPS, J. M. Effect of Japanese occupation on forestry in the Philippines. J. Forestry 43: 830-831. Nov. 1945. 99.8 J768

7190 SOCIETY OF AMERICAN FORESTERS. WASHINGTON SECTION. Foreign service employment of American foresters. J. Forestry 43: 853-857. Nov. 1945. 99.8 J768

J. H. Kraemer, Chairman of Committee.

7191 WATSON, E. L. Giving the forests back to the Indians. Amer. Forests 51: 590-591, 619. Dec. 1945. 99.8 F762

Forests on Menominee Indian Reservation, Wis.

7192 WEST VIRGINIA. CONSERVATION COMMISSION. Annual report, 1943/44, 59 p. Charleston, 1944. 279.9 W52

Division of Forestry, p. 33-43.

#### Education

7193 BAKER, F. S. Shall "applied" or "science" be stressed in teaching forestry? J. Forestry 43: 838-839. Nov. 1945. 99.8 J768

7194 BOUSQUET, V. W. Finding a middle ground in forestry education. J. Forestry 43: 839-840. Nov. 1945. 99.8 J768

7195 DANA, S. T. University of Michigan offers furniture industry program. J. Forestry 43: 823. Nov. 1945. 99.8 J768

Outlines course of study to train men for technical and executive positions in the furniture industry.

7196 DICKERMAN, M. B. New forestry school opened in Italy. J. Forestry 43: 823-824. Nov. 1945. 99.8 J768

Scuola Allievi Guardie Forestali, Piazzatorre.

7197 GARGANTA FABREGA, M. DE. El maestro Colombiano y el culto al árbol. Arboles 2: 305-308. Sept. 1945. 99.8 Ar16

7198 HERBERT, P. A. Michigan institutions are active in forestry work. Michigan State [College] offers course in forestry. Timber Topics 8(4): 3. Nov./Dec. 1945. 99.81 T486

7199 WALTERS, T. G. Georgia F. F. A. forestry project. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(12): 32. Dec. 1945. 6 P945G

#### Engineering

7200 MAHER, J. J. Road construction at Glendalough State Forest. Irish Forestry 2: 61-65. Oct. 1945. 99.8 Ir4

#### ANIMAL INDUSTRY

##### BREEDS AND BREEDING

7201 BORISENKO, E. I. A. Izmenenie usloviy embrional'nogo razvitiya pod vliyaniem inbridinga (The changes of internal conditions of development under the influence of inbreeding). Moskov. Ordena Lenina Sel'skokhoz. Akad. im K. A. Timirязeva. Trud., No. 27, 44 p. Moskva, 1945. Ref. 106 M852T  
Russian and English summaries.

7202 CASTAÑEDO, J. A. Telegonia. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(129): 3. July/Sept. 1945. 8 Sa53

7203 D'ETIGNY, J. Importancia económica de los híbridos. Campesino [Santiago] 77: 518-520. Oct. 1945. 9.3 S012

7204 DYREDAHL, I. Kro inseminationer på søndagar nödvändiga? Lantmannen 29: 953-955. Oct. 27, 1945. 11 L234

Artificial insemination in Sweden.

7205 E---N, G. Danmarks semnavel har vildig omfatning [Use of artificial insemination widespread in Denmark]. Lantmannen 29: 955-956. Oct. 27, 1945. 11 L234

- 7206 JORDAO, L. P. Inseminação artificial e registro genealógico. B. de Inseminação Artif. 1(1): 73-84. July/Sept. 1944. 41.8 B733
- 7207 MAIA, A. L. O fenómeno hereditario nos - animais domesticos. Campo Rio de Janeiro, 16(188): 38-44. Aug. 1945. 9.2 C15
- 7208 OTTESTAD, P. On a statistical problem connected with certain investigations of inheritance. Norges Landbrukskøhøgsk. Meld. 25: 140-148. 1945. 104 N762M
- 7209 PHILLIPS, P. H. A practical method of coloring semen for identification purposes. J. Dairy Sci. 28: 843-844. Nov. 1945. 44.8 J822
- 7210 PRAWOCHEMSKI, R. Zagadnienia organizacji hodowli zwierząt domowych po wojnie w Polsce [Problems in the organization of livestock breeding in postwar Poland]. Med. Wet. 1: 35-37. May/June 1945. 41.8 M463
- 7211 THOMASSET, L. F. La precocidad en la cría de animales domésticos. Chacra 16(181): 20-21. Nov. 1945. 9 C34
- In connection with breeding.
- 7212 WHEELER, A. L. Progeny testing; testing for the desirable sire. Past. Rev. 55: 762-763. (To be cont.) Oct. 16, 1945. 23 Au75
- 7213 ZAPATA, J. E. Fenomenos hereditarios. Rancho 1(1): 27-28. Oct. 1945. 8 R15R

## FEEDS AND FEEDING

- 7214 ALLCROFT, R. Vitamins in animal health. Part I. Vet. J. 101: 215-232. Oct./Nov. 1945. 41.8 V643
- 7215 BOHSTEDT, G. Pastures and livestock health. Hoard's Dairyman 90: 763. Dec. 25, 1945. 44.8 H65
- 7216 BOHSTEDT, G. When you're short of good hay. Successful Farming 43(12): 32-33, 126. Dec. 1945. 6 Su12
- 7217 CHARTON, A. Les infiniment petits chimiques et leurs carences. Rec. de Méd. Vet. 121: 129-146. May 1945. 41.9 R24
- 7218 CHOUSSY, F. Forma más apropiada para alimentar el ganado lechero con semilla de algodón sin que ésta haya sido beneficiada. El Salvador. Inst. Tec. An. 1(1): 262-264. 1944. 8 Sa34
- 7219 CHOUSSY, F. La pulpa de café como alimento del ganado. El Salvador. Inst. Tec. An. 1(1): 265-280. 1944. 8 Sa34
- 7220 COOLEY, M. L., CHRISTIANSEN, J. B., and SCHROEDER, C. H. Chromatographic estimation of vitamin A in mixed feeds. Indus. and Engin. Chem., Analyt. Ed. 17: 689-692. Nov. 1945. Ref. 381 J825A
- 7221 CORRIE, F. E. Some elements of plants and animals. 12-14. Phosphorus in animal nutrition. Fert., Feed. Stuffs and Farm Supplies J. 31: 635-637, 673-674, 700-701, 703. Oct. 24-Nov. 21, 1945. 57.8 F413
- Title varies slightly.
- 7222 DIJKSTRA, N. D. Onderzoek naar de bewaarmogelijkheden van het natte product, dat bij de ontsluiting van stroo wordt verkregen. Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek., No. 50 (7) C, p. 73-88. 1945. 105.2 V61V
- Dutch, German, and English summaries.
- Wheat-straw silage.
- 7223 DIJKSTRA, N. D. Onderzoek naar de voedervoorwaarden van ontsloten stroo voor herkauwers (Investigations with ruminants of the feeding value of straw hydrolyzed with calcium hydroxide). Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek., No. 50 (3) C, p. 1-58. 1944. 105.2 V61V
- Dutch, German, and English summaries.

- 7224 DIJKSTRA, N. D. De verteerbaarheid van stoppelknollen (The digestibility of stubble-rapes (lete turnips)). Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek., No. 50 (5) C, p. 59-71. 1945. 105.2 V61V
- Dutch, German, and English summaries.
- 7225 FETHERS, G. Minerals and animal health. Past. Rev. 55: 763-764. Oct. 16, 1945. 23 Au75
- 7226 FISHER, J. Importance of farm management. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 164, 2 p. Pretoria, 1945. 24 So82Pa
- Feeding with special reference to pastures.
- 7227 FOURNEAU, G. Les aliments concentrés complets. B. Agr. des Hautes-Pyrénées, No. 403, p. 65-66. (To be cont.) July 1944. 14 B875
- Includes their regulation.
- 7228 GONZÁLEZ, A. DE J. Aprovechamiento del forraje por la henificación. Liborio 5(10): 8, 12. Oct. 1945. 43.8 V41
- 7229 HAMILTON, T. S. The ABC's of animal nutrition. (Abs.) Feedstuffs 17(48): 38-40. Dec. 1, 1945. 286.81 F322
- 7230 HUFFMAN, C. F. Nutritional deficiencies of farm animals. Flour & Feed 46(7): 16-17. Dec. 1945. 298.8 F66
- 7231 K. Gute Herbstfuttererträge. Schweiz. Zentbl. f. Milchw. 34: 165. Sept. 21, 1945. 44.8 Sch93
- 7232 KAUTER, A. Nutzungsart und Futterkonservierung als Mittel zur Verbesserung der betriebseigenen Futterbasis. Schweiz. Zentbl. f. Milchw. 34: 168-169. Sept. 28, 1945. 44.8 Sch93
- 7233 KELLEY, D. Alcohol by-products have "rags to riches" history. Poultry Supply Dealer 22(12): 14, 50. Dec. 1945. 47.8 B11
- 7234 MARTÍN DE FRUTOS, J. Técnica para el reconocimiento y análisis de piensos. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 4(48): 17-28. Aug. 1945. 8 R3291
- 7235 MORALES ANTEQUERA, C. Ante la escasez de paja. Agricultura [Madrid] 14: 388-391. Aug. 1945. 15 Ag84
- Use of substitutes for livestock feed.
- 7236 NOLL, M. Wet corn stopped husking rush. Wallaces' Farmer and Iowa Homestead 70: 892-893. Dec. 1, 1945. 6 W15
- Various ways of handling soft corn.
- 7237 PACHECO THOMAS, A. Factores que se oponen al desarrollo pecuario. No. 6, concl.: factores bromatológicos; sales minerales; yodo. Agr. Trop. 1(9): 25-28. Oct. 1945. 26 Ag8
- 7238 RAYNS, F. Sugar-beet tops. Gt. Brit. Min. Agr. Agriculture 52: 341-345. Nov. 1945. 10 G79J
- 7239 SARRAZIN R., J. La paja, importante recurso forrajero de la zona sur. Simiente 14(3/4): 15-16. 1945. 9.3 S14
- 7240 SIEVERT, C. W. Emergency feed formulas must be revised to meet nutritional needs. Feed Bag 21(11): 47-48, 112. Nov. 1945. 389.78 F32
- 7241 SNIDER, H. J. Feeding quality in farm crops. Hoard's Dairyman 90: 750. Dec. 25, 1945. 44.8 H65
- 7242 STARP, E. Las melazas. Surco [Madrid] 4(41): 8-9. July 1945. 15 Su7
- In the preparation of silage.
- 7243 TURK, K. L. Most common nutritive deficiency is lack of feed. Dairyman's League News 29 (25): 6. Dec. 4, 1945. 44.8 DL432

## VETERINARY MEDICINE

- 7244 AKAYEVSKY, A. Omsk Veterinary Institute. Canad. J. Compar. Med. 9: 313-314. Nov. 1945. 41.8 C162



7245 ALLGROFT, R. Vitamins in animal health. II. The water-soluble vitamins. *Vet. J.* 101: 263-279. Dec. 1945. 41.8 V643

7246 AMERICAN VETERINARY MEDICAL ASSOCIATION. Committee reports adopted at the business meeting, August 20-22, 1945, Chicago, Ill. *Amer. Vet. Med. Assoc. J.* 107: 343-378. Nov. 1945. 41.8 Am3

7247 ARMIŃSKI, E. Zadania lekarza weterynaryjnego w dobie obecnej [Problems of veterinary medicine in the present day]. *Med. Wet.* 1: 24-25. May/June 1945. 41.8 M463

7248 ASCOLI, A. Advances in bacteriology and immunology in the United States. *Amer. Vet. Med. Assoc. J.* 107: 289-291. Nov. 1945. 41.8 Am3

7249 BARRETTO, J. F. Deferentomia não é sinônimo de castração e emasculação. B. de Inseminação Artif. 1(1): 85-91. July/Sept. 1944. 41.8 B733

7250 BOUGHTON, I. B. Tetanus (lockjaw). *Sheep and Goat Raiser* 26(3): 24, 26. Dec. 1945. 45.8 Sh3

7251 CASTANEDO, J. A. Tres tratamientos para combatir las verrugas. *Liborio* 5(10): 10. Oct. 1945. 43.8 V41

7252 CHAVARRÍA CH., M. El médico veterinario. *Rancho* 1(1): 38-39. Oct. 1945. 8 R15R

7253 EDWARDS, J. T., and TUTT, J. F. D. Veterinary education in Great Britain. *Vet. Rec.* 57: 586-588. Dec. 15, 1945. 41.8 V641

7254 FLORENTIN, P. Déterminisme de la lobulation rénale chez les mammifères. *Rec. de Méd. Vét.* 121: 193-201. July 1945. 41.9 R24

7255 FRANKLIN, A. V. Achievements of the army veterinary services during the war. *Vet. Rec.* 57: 540-544. Dec. 1, 1945. 41.8 V641

Includes Veterinary equine surgery, by C. H. S. Townsend; Chemical Defence Experimental Station (Veterinary Section), by W. P. Blount; A talk on the activities of the Royal Army Veterinary Corps, in British occupied Germany, by S. L. Slocock; General discussion, p. 544-545.

7256 GINDTSE, B. K. Angiotektonika zhivotnykh - ocherednaya zadacha pretsizionnoi anatomii golovnoy mozga [Angio-tectonics of animals - foremost problem in precisional anatomy of the brain]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok.*, No. 1, p. 109-112. 1945. 20 M857

7257 GONGORA PENICHE, M. Consejos a las personas que deban enviar frotis u otras preparaciones para ser investigadas en el laboratorio. *Fomento* [monthly], 2(23): 24. Sept. 1945. 8 F734

7258 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. VETERINARY LABORATORIES, WEYBRIDGE. Demonstrations, September 28, 1945. *Vet. Rec.* 57: 550-552. Dec. 1, 1945. 41.8 V641

7259 GUEVARA C., E. La ranilla de sangre (piroplasmosis). *Vida Rural* 7(73): 34. Aug. 1945. 9.4 V66

7260 GURY DOHMEN, E. Importancia del botiquin en todo establecimiento ganadero. *Campo* [Buenos Aires], 29(346): 14-15, 30. Aug. 1945. 9 C15

7261 HARLECH, and REES, J. F. Report of the Council of the University of Wales on proposals for the establishment of a school of veterinary science within the University. *Vet. Rec.* 57: 590-591. Dec. 15, 1945. 41.8 V641

Discussion by J. S. Jones, p. 591.

7262 HOUDELOT, C. Ganado vacuno: sus principales medicaciones. Pt. 6. Desinfección de los locales en caso de enfermedades contagiosas. (Cont.). *Panama. Min. de Agr. y Com. Rev. de Agr. y Com.* 4(48): 60-62. Aug. 1945. 8 R3291

Deals with livestock as well as cattle. This part discusses immunization and use of serums in treatment of diseases.

7263 JERNIGAN, L. D. The sense of smell as an aid in diagnosis. *Vet. Med.* 40: 416. Dec. 1945. 41.8 M69

7264 KEHAR, N. D., and RAU, K. G. Observations on the toxicity of *Rhododendron arboreum* to livestock. *Indian J. Vet. Sci. and Anim. Husb.* 14: 177-178. Sept. 1944. 44.8 In22

7265 LAFORTUNE, J. G. La lymphangite. *Forêt Québécoise* 10: 296. Nov. 1945. 99.8 F79

7266 LERENA, E. A. Accción tóxica del pasto Bermuda. *Gac. Vet.* 7: 66-71. Mar./Apr. 1945. 41.8 G112

7267 LISTA dos parasitas novos ou ainda pouco conhecidos descritos pelo Dr. Carini; com a respectiva indicação bibliográfica. *Arq. de Biol.* 29: 108-113. July/Aug. 1945. 442.8 Ar6

7268 MCCULLOCH, E. C. A suggested improvement in the design of test tubes. *Vet. Med.* 40: 370. Nov. 1945. 41.8 M69

7269 MCGUIRE, W. C. How the Central Canada Veterinary Association came into existence and a short history of its early days. *Canad. J. Compar. Med.* 9: 314-317. Nov. 1945. 41.8 C162

7270 MCINTYRE, E. R. They ride herd on national livestock health. *West. Livestock J.* 24(1): 44, 46. Nov. 15, 1945. 6 F2278

Animal Disease Station of the Pathological Division under the Bureau of Animal Industry, U. S. Department of Agriculture.

7271 MANGRULKAR, M. Y. Melanomata in domesticated animals. *Indian J. Vet. Sci. and Anim. Husb.* 14: 178-185. Sept. 1944. 44.8 In22

7272 MILLER, W. C. Presidential address. *Vet. Rec.* 57: 537-539. Dec. 1, 1945. 41.8 V641  
Aspects of veterinary medicine in the British Empire presented at the 63rd annual meeting of the National Veterinary Medical Association of Great Britain and Ireland.

7273 MIRABELLI, H. J. Campaña profiláctica contra las zoonosis. *Campo* [Buenos Aires], 29(348): 19-20, 24. Oct. 1945. 9 C15  
General discussion of tuberculosis.

7274 MOREJÓN PUIG, L. F. Distoma o Fasciola hepática del hígado. *Rincón Campesino* 6(58): 21, 23. Sept. 1945. 8 R47

7275 MORELLE, O. Virus rábico desmodino de curto período de incubação - vírus reforçado. *Rio Grande do Sul. Dir. da Prod. Anim. B.* 1(1): 8-24. Jan./June 1945. 49.9 R47

7276 NATIONAL VETERINARY MEDICAL ASSOCIATION OF GREAT BRITAIN AND IRELAND. Sixty-third annual general meeting. *Vet. Rec.* 57: 554-564. Dec. 1, 1945. 41.8 V641

7277 NICOL, L. Dispositif simple permettant d'effectuer chez les grands animaux le prélèvement aseptique du sang dans buts bactériologiques. *Inst. Pasteur, Paris. Ann.* 71: 311-313. July/Aug. 1945. 44.8.3 An75

7278 NOWICKI, B. Zadania i cele lekarza weterynarii w związku samopomocy chłopskiej [Problems and aims of veterinary medicine in connection with peasant self-aid]. *Med. Wet.* 1: 25. May/June 1945. 41.8 M463

7279 PARNAS, J. Badania nad pełnowartościową szczepionką przeciw beztlenowcowym zakażeniom zwierząt (Reserches sur un vaccin efficace contre les infections anaérobienues des animaux). *Med. Wet.* 1: 7-10, 68-69, 111-114. May/June-Sept. 1945. 41.8 M463

French summary, p. 114.

7280 PICKARD, J. R. A typical case of human leptospirosis. *Vet. Med.* 40: 414-415. Dec. 1945. 41.8 M69

7281 SCHLOTTHAUER, C. F. Problems of the veterinarian. *Flour & Feed* 46(7): 43-44. Dec. 1945. 298.8 F66



- 7282 SMITH, R. H. Milk fever, acetoneemia and grass tetany. *Vet. Med.* 40: 390. Nov. 1945. 41.8 M69
- 7283 STEFAŃSKI, W., GRYZ, E., and ŻULIŃSKI, T. Wydział Weterynaryjny P. I. N. G. W. w odrodzonej Polsce [The Veterinary Department of the State Scientific Institute of Agriculture in reconstructed Poland]. *Med. Wet.* 1: 33-35. May/June 1945. 41.8 M463
- Concerning Wydział Weterynaryjny Państwowego Instytutu Naukowego Gospodarstwa Włojskiego w Puławach.
- 7284 STEIN, O. D., and ROGERS, H. Observations on the resistance of anthrax spores to heat. *Vet. Med.* 40: 406-410. Dec. 1945. 41.8 M69
- 7285 STEVENSON, W. G. Pregnant mares' urine as a source of oestrogens. *Canad. J. Compar. Med.* 9: 293-301. Nov. 1945. Ref. 41.8 C162
- 7286 STUNZI, H. Die bedeutung der pathologischen histologie für die diagnostik in der praktischen veterinär-medicin. *Schweiz. Arch. f. Tierheilk.* 87: 399-403. Oct. 1945. 41.8 Sch9
- 7287 TARUSSO, M. E. La lucha contra la fiebre aftosa en el Perú. *Vida Agr.* 22: 659-662. July 1945. 9.8 V66
- 7288 TAGLIABUE, C. F. Mal de Bang: brucelosis, aborto epizootico. *Buenos Aires y La Pampa*, No. 75, p. 11, 13-14. Aug. 1945. 9 B868
- 7289 TISCHHAUSER, L. A. About practice. *North Amer. Vet.* 26: 718-720. Dec. 1945. 41.8 N812
- 7290 VEGA, M. J. Producción de la vacuna contra el carbón sintomático en nuestro estado. *Fomento* monthly, 2(23): 4, 22. Sept. 1945. 8 F734
- 7291 VIKTOROV, K. R. Znachenie tsitotoksinov v zootekhnii, veterinarii i meditsine [Significance of cytotoxins in zootechny, veterinary science and in medicine]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok.*, No. 1, p. 107-108. 1945. 20 M857
- 7292 WELCH, H. Cycles in parasites. *Mont. Farmer* 33(6, 1. e. 7): 21. Dec. 1, 1945. 6 M764
- Internal and external parasites.

## MISCELLANEOUS

- 7293 CHOUSSY, F. Hechos y realidades de la industria agropecuaria salvadoreña. *El Salvador. Inst. Tec. An.* 1(1): 251-256. 1944. 8 Sa34
- 7294 CUBA G., R. DE LA. Posibilidades y fomento de la ganadería en Arequipa. *Agronomía [Lima]* 10(43): 85-92. Sept. 1945. 9.8 Ag83
- 7295 HART, G. H. Prosperity depends upon quality production. *West. Livestock J.* 24(1): 50, 96. Nov. 15, 1945. 6 F2278
- 7296 HELMAN, M. B. Importancia de la experimentación de la ganadería. *Res* 13: 17843-17844. Aug. 20, 1945. 286.85 R31
- 7297 HERRING, G. C. Aid livestock industry. *Shorthorn World* 30(16): 15. Nov. 10, 1945. 43.8 Sh8
- Sale of purebred livestock.
- 7298 JONES, J. M., and JONES, J. H. Some activities of Division Range Animal Husbandry, Agricultural Experiment Station - A. & M. College of Texas. *Sheep and Goat Raiser* 26(3): 36, 38-39. Dec. 1945. 45.8 Sh3
- 7299 LIMONT, A. G. R. A. V. C. livestock depots. *Roy. Army Vet. Corps. J.* 17(1): 19-21. Nov. 1945. 41.8 G79
- 7300 MY 4-H experiences. *Dakota Farmer* 66(23): 10, 19. Dec. 8, 1945. 6 D14
- In swine, by E. Freier; In dairy, by A. Cotton; In crops, by R. Goehring; In sheep, by W. Schonebaum; In baby beef, by B. J. Hammer; In poultry, by J. Claassen.
- 7301 VIKTOROV, K. R., ed. Sbornik nauchnykh rabot Zootekhnicheskogo fakul'teta [Collection of scientific works of the Zootechnical Faculty]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Trud.*, No. 31, 296 p. Moskva, 1944. 106 M852T
- Russian text, with Russian and English summaries.
- Partial contents: Contribution to the problem of the required number of animals in planning animal improvement, by D. A. Kislovskii, p. 3-16. Ref.; On the importance of raising the productivity in farm animals, by E. F. Liskun, p. 17-30; Calf meals to use in minimum milk method, by I. S. Popov and A. A. Beresovskii, p. 31-53; Results of experiments on nurturing calves in the collective farms of Buryat-Mongol ASSR, by B. S. Sivchik, p. 55-70; Winter and spring fattening of lambs in the steppes of the Soviet Union, by V. K. Dyman, p. 71-81; Application of acidophilus cultures in cattle breeding, by A. F. Voitkevich, p. 83-90; Experiments on determining the forage qualities of different oil cakes after the method of artificial digestion, by F. M. Kazantsev, p. 91-95; Mineral feeding of record-breaking cows, by D. G. Levitan, p. 109-119; Structural peculiarities of the hypophysis and ovaries in record-breaking cow, Poslushnitsa II, by Z. I. Buldakova, p. 121-124; Weight peculiarities of the skeleton of the cow, Poslushnitsa II, by V. I. A. Brovar, p. 125-148; On the sucking act in calves, Communication I-II, by D. D. Martugin, p. 149-184; Regularities of skeleton growth in domestic mammals, by V. I. A. Brovar, p. 185-204; Development of stomach in the foetus of cattle, by M. G. Konnov, p. 205-209. Ref.; On the possibility of affecting the growth function with cytotoxines, by K. R. Viktorov, p. 231-235; Increase of milk preserving properties during transport and storing, by A. F. Voitkevich, R. B. Davidov, and O. V. Voitkevich, p. 249-262; Effect of small dosages of luteotoxines on ovary and uterus, by K. R. Viktorov and M. I. Chushkin, p. 263-265; Effect of curds and cheese on the secretion of the gastric juice, by I. I. Poliakov, p. 267-289. Ref.; The postembryonic growth of the skeleton in cattle, II. New data on the bone weight, by V. I. A. Brovar and E. F. Leont'eva, p. 291-295.
- 7302 WUORI, L. A. Veterinary activities with animals at a Port of Embarkation. *Amer. Vet. Med. Assoc. J.* 107: 387-391. Dec. 1945. 41.8 Am3

## CATTLE

## Breeds and Breeding

- 7303 AMERICAN ABERDEEN-ANGUS BREEDERS' ASSOCIATION. Annual report, 1943/44, 16 p. Chicago, 1944. 43.9 Am32Ra
- 7304 ARNGRIMSSON, S. Sæfing nautgripa í Dan-nörku [Artificial insemination of cattle in Denmark]. *Freyr* 40: 119-123. Aug./Sept. 1945. 11 F89
- 7305 ASHTON, J. Publican; how this great sire was rescued from comparative oblivion to leave his stamp on some of the best Herefords in America. *Cattleman* 32(7): 24-25. Dec. 1945. 49 C29
- 7306 BARTLETT, J. W. Inbreeding with selection can be successful. *Hoard's Dairyman* 90: 746-747. Dec. 25, 1945. 44.8 H65
- 7307 BLACK, S. L. The Guernsey breed is productive, hardy, attractive and docile. *Agr. Gaz. N. S. Wales* 56: 402-404, 414. Sept. 1, 1945. 23 N472
- 7308 CAMPOS, R. M. E o Caracú? Chacaras e Quintais 72: 363-364. Sept. 15, 1945. 9.2 C34
- 7309 COON, W. O. Comments on artificial insemination. *Ontario Cheese Prod. Assoc. Rpt.* (1944) 11: 33. 44.9 On8
- 7310 DAVIES, W. D. Artificial insemination of cattle. *Ontario Cheese Prod. Assoc. Rpt.* (1944) 11: 30-32. 44.9 On8
- 7311 DUCK, R. W. Dairy bulls and their daughters. *Rural New-Yorker* 104: 576-577. Dec. 15, 1945. 6 R88
- Discussion on bull associations.



7312 ENGELER, W., and INDERMÜHLE, P. Untersuchungen über die Inzucht- und verwandtschaftsverhältnisse und ihre züchterischen Auswirkungen in hochzuchtgenossenschaften des schweizerischen braunviehs. Landw. Jahrb. der Schweiz 58: 955-980.

1944. Ref. 17 L23  
German and French summaries.

7313 EVERALL, J. H. Considerations on the breeding of pedigree cattle and of dual purpose herds. Rev. River Plate 99(2809): 42-43. Oct. 12, 1945. 286.8 R32

7314 GRIFFITHS, N. The stamp of the Zebu. Walkabout 11(9): 12-13. July 1, 1945. 331.8 W15

7315 HOLSTEIN-FRIESIAN ASSOCIATION OF AMERICA. The type and production year book, v. 1, 697 p. Brattleboro, Vt., 1945. 43.9 H74T

Supersedes its Advanced Register Year Book (43.9 H74R) and its Herd Improvement Register Year Book (43.9 H74H).

7316 HUTCHINSON, J. Local breed makes good... the South Devon. Farmers Weekly [London] 23(22): 34-35. Nov. 30, 1945. 10 F2226

7317 IOWA VETERINARY MEDICAL ASSOCIATION. Cattle disease forum; artificial insemination. Iowa Vet. 16(6): 12-15. (Concl.) Nov./Dec. 1945. 41.8 I09

7318 LLOYD, E. W. More dual purpose cattle. Field 186: 400. Oct. 20, 1945. 10 F45

7319 MANN, A. I. Develop a sound breeding program. C. M. P. A. Bul. 27(314): 8. Oct. 1945. 44.9 C768

7320 MATOSO, J. O Zebu nos trópicos. Rev. Ceres 6: 82-91. Nov./Dec. 1944. 9.2 C332

7321 MUNDHE, B. B. Nomadic cattle breeders of Gujarat and Kathiawar, II. Indian Farming 6: 60-63. Feb. 1945. 22 In283

7322 NESBET, J. C. Program of Jersey breed improvement. Farmers Fed. News 26(3): 8, 10. Nov. 1945. 280.28 F225

Includes purposes of the American Jersey Cattle Club.

7323 NEUMANN, G. La stérilité des vaches. B. Agr. des Hautes-Pyrénées, No. 397, p. 110-112; No. 400, p. 8-10; No. 402, p. 48-50. Aug./Oct. 1943, Jan./Feb., May/June 1944. 14 B875

7324 NEWCOMB, H. D. "Let's give them both barrels." Milking Shorthorn J. 26(12): 8. Dec. 1945. 43.8 M59

Dual purpose Shorthorns.

7325 NICHOLS, M. B. Washington State to honor its long established breeding herds. Board's Dairyman 90: 761. Dec. 25, 1945. 44.8 H65

7326 OSTLER, J. R. The Leeds County artificial insemination unit. Ontario Cheese Prod. Assoc. Rpt. (1945) 12: 29-31. 44.9 On8

Leeds Cattle Breeders' Association.

7327 PAIM, H. D. Estudo sobre a duração do período de gestação e o peso ao nascer no plantel Hereford do Posto Zootécnico da Serra. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indús. e Com. [B.], Sér. C, No. 112, 20 p. Porto Alegre, 1944. 9.2 R473

7328 R., A. Improved breeding of dairy cows; no method superior to the progeny test. Farmers' Gaz. [Dublin] 103: 669. Nov. 10, 1945. 10 F221

7329 LA RAZA Shorthorn satisface muy bien las necesidades del comercio de carnes en la postguerra. By Captain. Res 13: 17833. Aug. 20, 1945. 286.85 R31

7330 RHOAD, A. O. El mejoramiento del ganado vacuno de carne y de leche en la América tropical. Rincón Campesino 6(57): 18-23. Aug. 1945. 8 R47

7331 RICKARD, J. A. On the coast it's Brahman. Farm and Ranch 64(11): 6. Nov. 1945. 6 T31

7332 SANTIAGO MEJIA. El ganado romo-sinuano: un producto de Colombia. Agr. Trop. 1(9): 29, 31-36. (Cont.) Oct. 1945. 26 Ag8

7333 STEELE, J. A. Artificial breeding making steady progress in Nova Scotia. Canad. Guernsey Breeders' J. 19(5, i. e. 4): 11. Nov. 1945. 43.8 C163

7334 STREETER, E. L. About junior membership. Holstein-Friesian World 42: 2050-2051. Dec. 1, 1945. 43.8 H742

In the Holstein-Friesian Association of America.

7335 STUDIES of dual-purpose (Polled) Shorthorns. By Stockwell. Milking Shorthorn J. 26(12): 30. Dec. 1945. 43.8 M59

7336 TAUSSIG, S. Artificial insemination and co-op bull associations. Holstein-Friesian World 42: 2053. Dec. 1, 1945. 43.8 H742

7337 TOMSON, C. K. Shorthorns in the West. West. Livestock J. 24(1): 112, 114. Nov. 15, 1945. 6 F2278

7338 WARNER, L. Twenty-year-old brood cow. Holstein-Friesian World 42: 2049. Dec. 1, 1945. 43.8 H742

From data compiled by Clyde Olesen.

7339 WATSON, W. P. Artificial insemination units. Ontario Cheese Prod. Assoc. Rpt. (1945) 12: 32-33. 44.9 On8

7340 WOLFF, F. E. Comments and criticisms of artificial breeding. Ontario Cheese Prod. Assoc. Rpt. (1945) 12: 34-37. 44.9 On8

#### Feeds and Feeding

7341 EVANS, O. R. Good feed for good [dairy] cattle. Family Herald and Weekly Star 76(49): 3-4. Dec. 5, 1945. 7 F21

7342 GAY, C. W. Show ring versus packer buyer. Shorthorn World 30(17): 3, 6. Nov. 25, 1945. 43.8 Sh8

On fattening beef cattle.

7343 GOLD, T. S. Calves - and the future. Merrimack's Monthly Messenger 7(11): 3, 11. Nov. 1945. 6 M55

Chiefly on feeding dairy calves.

7344 HAGMAN, G. Råmjölkens betydelse för den nyfödda ungens hälsa [The importance of colostrum to the health of the newborn calf]. Lantmannen 29: 977-979. Nov. 3, 1945. 11 L234

7345 HOEKZEMA, J. P. Are we utilizing corn cobs to best advantage? Farmers Guide 101(23): 16. Dec. 1, 1945. 6 In2

Corn-and-cob meal for beef cattle.

7346 KRAUSS, W. E. Suggestions on calf feeding. Feedstuffs 17(47): 28, 30. Nov. 24, 1945. 286.81 F322

7347 KRISTJANSSON, K. K. Mjólkurframleiðslan og kolvetna- og kornmatarþörfin [Milk yield and carbohydrates - and grain requirements]. Freyr 40: 109-112. Aug./Sept. 1945. 11 F89

7348 LAMOND, H. G. Soluble nutrients. Past. Rev. 55: 764-765. Oct. 16, 1945. 23 Au75

Cobalt in the nutrition of dairy cattle.

7349 LOOSLI, J. K., and MAYNARD, L. A. High-fat dairy rations give higher milk production. Farm Res. [N. Y. State Sta.] 11(4): 3-4. Oct. 1, 1945. 100 N48A

7350 PHILLIPS, P. H. Physiology and nutritional requirements of the calf and deficiencies in older cattle. Iowa Vet. 16(6): 16-19, 42, 44, 46. Nov./Dec. 1945. 41.8 I09

7351 RÊGO, J. P. Experiência de engorda de novilhos novos em pastagem artificial de capim kikuyú consorciado com trevo subterrâneo. Rio Grande do Sul. Dir. da Prod. Anim. B. 1(1): 36-44. Jan./June 1945. 49.9 R47

7352 RICCARDI, A. Los adelantos científicos en el desarrollo de la ganadería. Rev. Ganad. [Havana] 5(7/8): 24-25. July/Aug. 1945. 49 R321

Mainly about use of thyroprotein for dairy cattle.

- 7353 RICE, E. S. Balanced rations for cattle. Milling 105: 30-31. July 14, 1945. 298.8 M622
- 7354 RUSOFF, L. L., SEATH, D. M., and MILLER, G. D. Digestibility of common lespedeza hay. J. Dairy Sci. 28: 869-872. Nov. 1945. 44.8 J822
- 7355 SEABER, W. M. Cattle-food concentrates. IV. Vitamins. Fert., Feed. Stuffs and Farm Supplies J. 31: 695-697, 699. Nov. 21, 1945. 57.8 F413
- 7356 TELLE. Heu ist nicht gleich heu. Landesbauernschaft Moselland. Wchnbl., No. 24, p. 258. June 10, 1944. 18 L2328  
For dairy cattle.
- 7357 TURK, K. L. Give best hay to calves. Dairyman's League News 29(24): 6. Nov. 20, 1945. 44.8 D1432
- 7358 TURK, K. L. Modern trends in dairy cattle feeding. (Abs.) Holstein-Friesian World 42: 2052, 2094. Dec. 1, 1945. 43.8 H742
- 7359 VERBEEK, W. A. Hand-rearing of calves. Union So. Africa. Dept. Agr. and Forestry. Press Serv., No. 808, p. 1-2. Nov. 13, 1945. 24 So82Pr  
Chiefly on feeding.
- 7360 WINTER feeding of dairy cows. North. Ireland Min. Agr. Monthly B. 20: 168-171. Oct. 1945. 256.13 Ag82M
- Veterinary Medicine
- 7361 APICE, M. D'. Brucellose bovina e métodos de combate. Rev. Rural Bras. 25(300): 30-35. Aug. 1945. 9.2 B733
- 7362 BECK, J. D., DEMOTT, T., and BOUCHER, W. B. A report of six cows with infectious cystitis and pyelonephritis treated with penicillin. Pa. U. School Vet. Med., Vet. Ext. Q., No. 100, p. 10-16. Oct. 16, 1945. 41.9 P386
- 7363 BLOUNT, W. P. A case of phosphorus burns in the dairy cow. Roy. Army Vet. Corps. J. 17(1): 21-23. Nov. 1945. 41.8 G79
- 7364 BOHM, J. A., JR. Hemorrhagic septicemia [in cattle]. West. Livestock J. 24(1): 59. Nov. 15, 1945. 6 F2278
- 7365 BUDDLE. Vaccination against contagious abortion. New Zeal. Dairy Exporter 21(2): 21. Oct. 1945. 44.8 N484
- 7366 CÁCERES Y MARTÍNEZ, A. R. Curso de ganado vacuno; principales enfermedades del ganado. XI. Accidentes simultaneos y consecutivos al parto. Fomento [monthly], 2(23): 11-12, 17-18. Sept. 1945. 8 F734
- 7367 CASSAMAGNAGHI, A., and CASSAMAGNAGHI, A. (HIJO). La vaginitis granulosa o enfermedad nodular de los bovinos; su reconocimiento en el ganado del Uruguay. Uruguay. Min. de Ganad. y Agr. B. Mens. 28: 220-228. July/Sept. 1945. 41.9 Ur8
- 7368 CAZAUX, J. Le pisse-sang des bovidés. B. Agr. des Hautes-Pyrénées, No. 402, p. 43-45. May/June 1944. 14 B875
- 7369 CHAMBERS, E. E. Anthrax [in cattle] may strike fast and hard. South. Stockman 5(12): 38. Dec. 1945. 49 So83
- 7370 COLES, E. H. Lymphocytoma in a heifer. Vet. Med. 40: 384-385. Nov. 1945. 41.8 M69
- 7371 DONNELL, C. E. Some observations on vaccination against Bangs. Milking Shorthorn J. 26(12): 22. Dec. 1945. 43.8 M59
- 7372 EHEART, J. F., HOLDAWAY, C. W., and PRATT, A. D. Outline of a new technique for digestion trial procedure. J. Dairy Sci. 28: 839-841. Nov. 1945. 44.8 J822
- 7373 EICKMANN, H. Die impfungen gegen das seuchenhafte verkalben (abortus-Bang infektion). Landesbauernschaft Moselland. Wchnbl. 3: 338. Aug. 5, 1944. 18 L2328
- 7374 ELTING, A. W. Report on "X" disease [in cattle]. Vet. Med. 40: 417. Dec. 1945. 41.8 M69
- 7375 FANKHAUSER, R. Pathologisch-anatomische und histologische veränderungen bei einer nicht-rachitischen osteoarthritis deformans der jungvinder. Schweiz. Arch. f. Tierheilk. 87: 403-417, 455-465. Oct., Nov. 1945. Ref. 41.8 Sch9
- 7376 GARMAN, M. W. Stock-rearers' hope: attestation; the future will bring a big increase in the number of T. T. [dairy] herds in Great Britain. Farmer & Stock-Breeder 59: 1722. Oct. 30, 1945. 10 F228
- 7377 GOULD, G. N. Disease control and milk production. Vet. J. 101: 232-235. Oct./Nov. 1945. 41.8 V643
- 7378 GRAYSON, A. R. Seasonal diseases of dairy cows; milk fever - grass tetany. Victoria. Dept. Agr. J. 43: 415-418. Oct. 1945. 23 V66J
- 7379 GREEN, T. C. John's disease found in cattle herds in State. W. Va. Dept. Agr. Market B. 29(12): 4. Dec. 1, 1945. 2 W522W
- 7380 GRUEBLER K., R. El veterinario en la explotación lechera. Unión Agr. del Sur 3(18/19): 29-31. July/Sept. 1945. 9.3 Un3
- 7381 HAMMOND, J. 'Constitution' in cattle in relation to pests and disease. Ann. Appl. Biol. 32: 278. Aug. 1945. 44.2.8 An72  
Part of a Symposium on the genetical relations of plants and animals to their pests and diseases conducted by the Association of Applied Biologists.
- 7382 HANCOCK, E. E., and SMITH, G. R. Cobalt deficiency in Nova Scotia. Canad. J. Compar. Med. 9: 312-313. Nov. 1945. 41.8 C162  
In cattle.
- 7383 HEINY, E. Vesicular stomatitis in cattle and horses in Colorado. North Amer. Vet. 26: 726-730. Dec. 1945. 41.8 N812
- 7384 HORNBY, H. E. Reflections on the value of tartar emetic for the treatment of trypanosomiasis. Vet. Rec. 57: 585-586. Dec. 15, 1945. 41.8 V641  
In cattle.
- 7385 HUDDLESON, F., and others. The bactericidal action of bovine blood for Brucella and its possible significance. J. Bact. 50: 261-277. Sept. 1945. 44.8 J82  
E. E. Wood, A. R. Cressman, and G. R. Bennett, joint authors.
- 7386 ILLINOIS VETERINARY MEDICAL ASSOCIATION. SPECIAL COMMITTEE ON MASTITIS. The mastitis problem [in cattle - report]. Vet. Med. 40: 380-381. Nov. 1945. 41.8 M69  
W. A. Daugherty, chairman.
- 7387 JACKS, J. Anaplasmosis [in cattle]. Westerner 8(11): 10-11. Dec. 1945. 49 W522
- 7388 JOHNSON, L. E. Fused tents; a hereditary defect in beef cattle. J. Hered. 36: 317-320. Oct. 1945. 44.2.8 Am3
- 7389 KANSAS. STATE LIVESTOCK SANITARY COMMISSION. Agreement for the control and eradication of brucellosis (Bang's disease) [in cattle]. Kans. Vet. Med. Assoc. B. 3(11): 1-3. Nov. 1, 1945. 41.9 K133B  
U. S. Bureau of Animal Industry cooperating.
- 7390 KELLY, P. L. A diacetinase in bovine mammary gland tissue. J. Dairy Sci. 28: 799-801. Nov. 1945. 44.8 J822
- 7391 LEFFINGWELL, G., and LESSER, M. A. Soap in the care of cattle and horses. Amer. Cattle Prod. 27(7): 25-26. Dec. 1945. 49 F94  
Gives formulas for disinfectants, insecticides, and therapeutic mixtures.
- 7392 LOVELL, R. Calf diseases. Vet. Rec. 57: 499-500. Nov. 10, 1945. 41.8 V641  
Discussion, p. 500-501.
- 7393 MCGARGLE, P. F. Neoplasm in a bull. Vet. Med. 40: 386-387. Nov. 1945. 41.8 M69  
Lymphocytoma.
- 7394 MCINTOSH, R. A. Mastitis. Ontario Cheese Prod. Assoc. Rpt. (1945) 12: 37-40. 44.9 On8



- 7395 MANN, A. I. Moralizing about Bang's. C. M. P. A. Bul. 27(315): 7. Nov. 1945. 44.9 C768  
From the standpoint of control.
- 7396 MATTINSON, A. B. Bovine mastitis. Home Farmer 12(11): 8-11. Nov. 1945. 280.344 H75
- 7397 MOHAN, R. N. Hump-sore in cattle, and its treatment. Indian Farming 6: 55-56. Feb. 1945. 22 In283
- Stephanofilaria assamensis, proposed name for causative parasite.
- 7398 MOORE, L. A., and BERRY, M. H. Vitamin A and carotene content of the blood plasma of dairy calves from birth up to four months of age. J. Dairy Sci. 28: 821-826. Nov. 1945. 44.8 J822
- 7399 MURPHY, J. M. Resistance to mastitis. Guernsey Breeders' J. 68: 1209-1210, 1224. Dec. 15, 1945. 43.8 G93
- 7400 NAIK, W. Some clinical notes - with special reference to the digestive system of the ox. Vet. Rec. 57: 481-482. Oct. 27, 1945. 41.8 V641  
Discussion, p. 482.
- 7401 A NEW way to spot mastitis; all-British electric meter detects abnormal milk at a glance. Farmers Weekly [London] 23(22): 16. Nov. 30, 1945. 10 P2226
- 7402 PARKER, H. Is strain 19 dangerous? Hoard's Dairyman 90: 766, 767. Dec. 25, 1945. 44.8 H65  
Strain 19, Brucella abortus vaccine.
- 7403 PLATA GUERRERO, R. La profilaxia del aborto contagioso del ganado. Rev. Nac. de Agr. Bogotá, 39: 35-36. Aug. 1945. 9.4 R32  
Use of Brucella abortus vaccine strain 19.
- 7404 FRIOUZEAU, M. Tumeurs mélaniques des foetus bovins. Rec. de Méd. Vét. 121: 109-110. Apr. 1945. 41.9 R24
- 7405 RAILSBACK, G. A. Idiopathic pulmonary emphysema of cattle. Vet. Med. 40: 369-370. Nov. 1945. 41.8 M69
- 7406 RICE, V. A. Double or nothing. South. Stockman 5(12): 9, 40-41. Dec. 1945. 49 So83  
Twinning in cattle.
- 7407 RIDGWAY, J. Coital rupture of vagina in a heifer. Vet. Med. 40: 388-389. Nov. 1945. 41.8 M69
- 7408 RUSSELL, L. Care during dry period boosts production. Farmer-Stockman 58: 428. Nov. 1945. 6 Ok45
- 7409 SANDERSON, C. J. Actinomycosis or lumpy jaw in cattle. Land [Sydney], No. 1771, p. 11. Nov. 2, 1945. 23 L22
- 7410 SHARMA, G. K. Some cases of jowar [Sorghum vulgare] poisoning in cattle. Indian Farming 6: 72-73. Feb. 1945. 22 In283
- 7411 SIDDIQI, T. A. Immunization against rinderpest by a scarification method. Indian J. Vet. Sci. and Anim. Husb. 14: 158-162. Sept. 1944. 44.8 In22
- 7412 SIMMS, B. T. Disease hazards of the dairy calf. (Abs.) Vet. Med. 40: 404-405. Dec. 1945. 41.8 M69
- 7413 SMITH, J. J. Bunostomum phlebotomum in a calf. Vet. Med. 40: 387. Nov. 1945. 41.8 M69
- 7414 SPRIGGS, D. N. Some observations on the oestrogenic induction of lactation in cattle. Vet. Rec. 57: 519-525. Nov. 24, 1945. 41.8 V641
- 7415 SUTTON, T. S., and SOLDNER, F. A. Seasonal variations in the blood plasma carotene and vitamin A of adult dairy cattle. J. Dairy Sci. 28: 859-867. Nov. 1945. 44.8 J822
- 7416 TIPPETT, S. G. Active immunisation as against passive segregation with reference to tuberculosis. Vet. J. 101: 259-262. Dec. 1945. 41.8 V643  
Concerning cattle of Great Britain.
- 7417 WADDINGTON, F. G. An experiment to test infectivity of cattle which are reacting to Kenya attenuated goat virus. Vet. Rec. 57: 479-481. Oct. 27, 1945. 41.8 V641  
As related to rinderpest.
- 7418 WALKER, E. R. A practical method of spaying heifers. Vet. Med. 40: 411-412. Dec. 1945. 41.8 M69
- 7419 WALTARD, B. Die bedeutung des typus bovinus der tuberkelbazillen für tödliche tuberkulose der erwachsenen. Schweiz. Arch. f. Tierheilk. 87: 417-429. Oct. 1945. 41.8 Sch9
- 7420 WALTON, R. Alberta's program for brucellosis control. Canad. Cattleman 8: 131, 134. Dec. 1945. 49 C16
- 7421 WILSON, F. A. Ovarian tumour in a bovine. Vet. Rec. 57: 525. Nov. 24, 1945. 41.8 V641
- 7422 THE WORK of the army veterinary services in relation to military dairy farms in India; submitted by the D[irector of] V[eterinary] S[ervices] in India. Roy. Army Vet. Corps. J. 17(1): 10-16. Nov. 1945. 41.8 G79
- 7423 ZÓPHÓNÍASSON, P., and PÁLSSON, H. Bráðdauði í kdm. Freyr 40: 119. Aug./Sept. 1945. 11 F89  
Death of dairy cattle in Iceland due to magnesium deficiency.

#### Miscellaneous

7424 ALLRED, B. W. More beef from fewer acres; how Louisiana cattlemen are improving their pastures and livestock. Cattleman 32(7): 20-21. Dec. 1945. 49 C29

7425 BELL, F. W. Four points to watch in selecting livestock for profitable production. Kans. Farmer 82(21): 5. Nov. 3, 1945. 6 K13  
Beef cattle.

7426 BONSMAN, I. C., and PRETORIUS, A. I. Influence of colour and coat cover on adaptability of cattle. (In Hebrew.) Hassadeh 25: 563-568. Aug./Sept. 1945. 26 H27

7427 CANADA. DEPT. OF AGRICULTURE. PRODUCTION SERVICE. The Canadian record of performance for purebred dairy cattle. Report 36, 1943/44, 403 p. Ottawa, 1944. 43.9 C16

7428 CHADHA, S. R. Restrictions on the slaughter of cattle in Bombay. Indian Farming 6: 474-475. Oct. 1945. 22 In 283

7429 CHOUSSY, F. Notas sobre la crianza de terneros en las haciendas de El Salvador. El Salvador. Inst. Tec. An. 1(1): 260-261. 1944. 8 Sa34  
Dairy calves.

7430 COCHRANE, E. R. "Waste-paper" pedigrees ...applied so far as the dairy farmer is concerned. Farmers Weekly [London] 23(22): 33. Nov. 30, 1945. 10 P2226

7431 CRUZ, T. La historia de la Carnation Milk Farm. Rev. Mens. B. A. P. 38(336): 59, 61, 63-67, 69-71. Nov. 1945. 9 R326  
From "La Propaganda Rural," Uruguay.

7432 DAY, G. E. Dig them out of the straw. Shorthorn World 30(16): 6-7, 24. Nov. 10, 1945. 43.8 Sh8  
Photography of cattle.

7433 EKLUND, S. Kan man bedöma en koss mjölkavkastningsförmåga med ledning av hennes exteriör? Lantmannen 29: 892-893. Oct. 6, 1945. 11 L234  
Judging milk yield capacity.

7434 FAULHABER, L. J. Advice to cow buyers. Flour & Feed 46(7): 24. Dec. 1945. 298.8 F66

7435 FERNÁNDEZ SALCEDO, L. Suficiencia del control periódico en las vacas. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 4(48): 50-54. Aug. 1945. 8 R3291

The keeping of milk production records.

7436 FOWLER, A. B., and DUNSMORE, E. Self-sufficiency on the dairy farm. Dairy Indus. 10: 707-713. Oct. 1945. 44.8 DL427

7437 GOOD, E. S. For the large farm, try the long beef, yearling. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 60(12): 66. Dec. 1945. 6 P945K

7438 HAMPSHIRE, P. G. Fifty years' progress; dairy technology in Australia. Austral. Dairy Rev. 13(9): 10-12. (To be cont.) Sept. 24, 1945. 44.8 Au73

7439 HENDRIX, J. M. Three score and ten. IX. Cattleman 32(7): 17-18, 98, 100. (Concl.) Dec. 1945. 49 C29

History of the Texas and Southwestern Cattle Raisers Association.

7440 HERNÁNDEZ SÁNCHEZ, C. Problemas zootécnicos de la ganadería nacional. Liborio 5(10): 9, 14. Oct. 1945. 43.8 V41, Cuba.

7441 LENTZ. Mehr milch durch regelmässige klauenpflege. Landesbauernschaft Moselländ. Wchnbl. No. 9, p. 102. Feb. 26, 1944. 18 L2328

7442 LLARENA, S. DE. Producción de leche; bases fundamentales, elección de una vaca lechera. Agr. Levantino 11(130): 6-7. Sept. 15, 1945. 15 Ag85

7443 MCMUNN, E. W. All in one package; that's the Holmes County Dairy Service Unit. Ohio Farmer 196(11): 5. Dec. 1, 1945. 6 Oh3  
A dairy herd improvement association.

7444 MOREJÓN PUIG, L. F. Animales de carnicería; "tipo" y "conformación." Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 84-85. July/Sept. 1945. 8 Ag88Re

7445 NELSON, H. A balanced milk flow. Skagit Co-op. Dairyman 23(4): 18. Dec. 1945. 280.28 Sk1  
At all seasons of the year.

7446 NICHOLS, M. B. Dairy testing work increases. Pacific Northwest Farm Bur. News 19(12): 13. Dec. 1945. 275.293 Washington  
Dairy herd improvement associations.

7447 RICKARD, J. A. Prairie fires. Cattleman 32(7): 63, 68. Dec. 1945. 49 C29  
An historical account of fires on cattle ranges.

7448 ROLLE, A. F. Rancho Tropica. Cattleman 32(7): 25. Dec. 1945. 49 C29

The beef cattle of early days in Hawaii.

7449 RUNIONS, A. D. Know your cows. Ontario Cheese Prod. Assoc. Rpt. (1945) 12: 26-28. 44.9 On8

7450 RUSCONI, C. Acerca de la vaca Mata de Mendoza. Campo Buenos Aires 29(346): 20-24, 26-27, 31, 37, 46. Aug. 1945. 9 C15

7451 RUSSELL, J. E. Experiences and suggestions [on dairy cattle]. Guernsey Breeders' J. 68: 1097-1099, 1211-1213. (Cont.) Dec. 1, 15, 1945. 43.8 G93

7452 SANNAC, G. Comment améliorer notre bétail. B. Agr. des Hautes-Pyrénées, No. 403, p. 61-65; No. 404, p. 88-92. July, Sept. 1944. 14 B875  
Concerning cooperative associations and herd books.

7453 SANNAC, G. Pouvons-nous améliorer notre bétail. B. Agr. des Hautes-Pyrénées, No. 402, p. 45-48. May/June 1944. 14 B875

7454 SCOTT, J. M. The Florida cattle Marks and Brands Law. For Sale, Want and Exch. B. 5(3): 1. Nov. 1, 1945. 280.38 F74

7455 SMITH, E. W. Less work plus profit report Fellows & Sons. Natl. Live Stock Prod. 24(3): 6. Dec. 1945. 280.38 N21

Description of a 560-acre beef cattle farm.

7456 STERN, J. Anteproyecto sobre la posibilidad de producir en el país vacunas para el ganado. El Salvador. Inst. Tec. An. 1(1): 257-259. 1944. 8 Sa34

7457 STOLTZ, E. H. Top producers of 1945; how top cows in the past year's record of performance were bred and fed. Farmer's Mag. 42(12): 38-42. Dec. 1945. 7 C165

7458 SVEINSSON, R. Notkun mjaltavéla. Freyr 40: 112-115. Aug./Sept. 1945. 11 F89

Milking with machines.

7459 TEAGUE, C. E. Surplus milk pays sugar-coffee bills. Negro Farmer 6(10): 3. Nov. 1945. 275.28 N31

Mainly on care of the dairy cow.

7460 ZÓPHÓNÍASSON, P. Nautgripaæktarfélag [ag] Svarfdaela; fjörutíu ára starfsskýrslur. Freyr 40: 127-129. Aug./Sept. 1945. 11 F89

Account of Nautgripaæktarfélag Svarfdaela, a dairy herd improvement association of Iceland.

## DOGS AND CATS

### Breeds and Breeding

7461 THE BREEDS in brief. No. 45. Keeshond. Amer. Kennel Gaz. 62(12): 41-42, 186-187. Dec. 1945. Ref. Beltsville Branch Libr.

7462 CANIS. Report from Europe. Pt. 1. Amer. Kennel Gaz. 62(12): 20-23, 200-201. Dec. 1945. Beltsville Branch Libr.

Survey of various breeds which survived the war.

7463 EDWARDS, E. P. A midget Greyhound. Vet. Rec. 57: 483-484. Oct. 27, 1945. 41.8 V641

7464 THE EVOLUTION of Australian Kelpie Sheep Dog. By Trial Worker. Country Life [Sydney] 57(14): 5. Oct. 5, 1945. 286.85 Sy2

7465 GORDON, D. M. Boxerisms. Dog World 30(11): 88-89. Nov. 1945. 48.8 D672

7466 KAUFFMAN, R. E. Shall we change our Chi standard? Dog World 30(11): 117. Nov. 1945. 48.8 D672

7467 SCHOEN, L. M. English gundogs -- postwar pattern. Amer. Kennel Gaz. 62(12): 34-36. Dec. 1945. Beltsville Branch Libr.  
Pointer and Setter.

7468 SMITH, A. C. Improving dogs. Field 186: 435. Oct. 27, 1945. 10 F45

### Feeds and Feeding

7469 BEAMISH, H. V. Enterprise in dog-feeding. Country Life [London] 98: 556. Sept. 28, 1945. 80 C83

### Veterinary Medicine

7470 ANTHONY, W. L. Incarcerated umbilical omental hernia in a dog. Vet. Med. 40: 411. Dec. 1945. 41.8 M69

7471 BARBEE, J. M. Canine nephritis with secondary dermatitis, hyopyon and glaucoma. Vet. Med. 40: 414. Dec. 1945. 41.8 M69

7472 BECKER, L. R. Sulfonamide therapy with adjuncts in bacterial respiratory infections of the dog. Vet. Med. 40: 373-376. Nov. 1945. 41.8 M69

7473 BLAKELY, C. L., and MOWSON, T. O. Rupture of the diaphragm [in dogs]. Amer. Vet. Med. Assoc. J. 107: 292-299. Nov. 1945. 41.8 Am3  
Includes description of the surgical operation.

7474 FLETCHER, D. V. Is the dog a disadvantage? Farmer & Stock-Breeder 59: 1913. Nov. 27, 1945. 10 F228

Use of sheep dog believed to increase Oestrus ovis.

7475 FRIEND, J. D. Persistent gill slit in a dog. Vet. Med. 40: 385-386. Nov. 1945. 41.8 M69

7476 KENDALL, K. Stilbestrol and sulfathiazole in the treatment of acute prostatitis in the dog. Vet. Med. 40: 387. Nov. 1945. 41.8 M69

7477 LAMONT, A. A. An investigation into an outbreak of acute nephritis. Roy. Army Vet. Corps. J. 17(1): 31-34. Nov. 1945. 41.8 G79  
In dogs.



7478 LOPEZ-PACHECO, O. A. Canine tuberculosis: a report of the first case officially diagnosed and confirmed in Puerto Rico. Amer. Vet. Med. Assoc. J. 107: 398-399. Dec. 1945. 41.8 Am3

7479 LOWREY, R. L. Fracture of the femur in a dog. Vet. Med. 40: 388. Nov. 1945. 41.8 M69

7480 MARNEY, U. F., CULPEPPER, R. A., and GALE, H. C. Calculi [urinary] in puppies four and five weeks of age. Vet. Med. 40: 384. Nov. 1945. 41.8 M69

7481 MOHAN, R. N., and MUKERJI, A. Trichuris vulpis in dogs in India. Indian J. Vet. Sci. and Anim. Husb. 14: 166-167. Sept. 1944. 44.8 In22

7482 MOSTYN, H. J. Oral changes in dogs due to vitamin therapy. Vet. Med. 40: 382-383. Nov. 1945. 41.8 M69

Mainly vitamin B.

7483 NEWELL, L. H. Hypoparathyroidism in a dog. Vet. Med. 40: 376. Nov. 1945. 41.8 M69

7484 ROBERTS, G. Toxemia a result of alveolar periostitis [in dogs]. Vet. Med. 40: 413-414. Dec. 1945. 41.8 M69

7485 TAYLOR, J. A. The presence of a left cranial vena cava in a dog. Vet. J. 101: 242-243. Oct./Nov. 1945. 41.8 V643

7486 WOOLFE, D. T. Use of penicillin in acute diffuse peritonitis [in a dog]. Amer. Vet. Med. Assoc. J. 107: 304. Nov. 1945. 41.8 Am3

#### Miscellaneous

7487 BELL, D. S. Working dogs of early America. West. Livestock J. 24(1): 57. 59. Nov. 15, 1945. 6 F2278

7488 CASSIDY, J. A. War dog heroes aid Victory loan. Amer. Kennel Gaz. 6(12): 43, 201-202. Dec. 1945. Beltsville Branch Libr.

7489 J., W. Care of dogs in cold weather. Dog World 30(11): 19. Nov. 1945. 48.8 D672

7490 SMITH, A. C. Open [dog] shows again. Field 186: 464. Nov. 3, 1945. 10 F45

#### HORSES AND MULES

##### Breeds and Breeding

7491 BEST, M. G. S. The Highland pony. Field 186: 452. Nov. 3, 1945. 10 F45  
Various pony breeds in Great Britain.

7492 BEST, M. G. S. Ponies of the New Forest. Field 186: 402. Oct. 20, 1945. 10 F45  
Various pony breeds in Great Britain.

7493 BREIREM, K. Prestasjonsprøver i hesteavl [Performance tests in breeding draft horses]. Norsk Landbruk 11: 299-301. Oct. 26, 1945. 11 N8122

7494 CHRISTMAS, R. To be or not to be. East. Breeder 7(7): 19-20. Dec. 1945. 49 V81  
Breeding illustrated by outstanding Thoroughbreds.

7495 HOPPER, R. M. Horse breeding by artificial insemination. Country Guide 64(12): 17. Dec. 1945. 7 G76

7496 LODER, J. The origin of the Thoroughbred. Field 186: 450. Nov. 3, 1945. 10 F45

##### Feeds and Feeding

7497 KERN. Gedanken zur sparsamen pferde-fütterung. Landesbauernschaft Moselland. Wchnbl.. No. 8, p. 91. Feb. 19, 1944. 18 L2328

##### Veterinary Medicine

7498 BLOUNT, W. P., and PARKINSON, W. G. Hydatid cysts in the horse. Roy. Army Vet. Corps. J. 17(1): 23-24. Nov. 1945. 41.8 G79

7499 BRIERE, J. Note sur l'affection nerveuse du cheval "appelée encéphalo-myéélite infectieuse." Rec. de Méd. Vét. 121: 50-52. Feb. 1945. 41.9 R24

7500 CORNETTE. "Tumeurs osseuses" chez le poulain. Rec. de Méd. Vét. 121: 74-77. Mar. 1945. 41.9 R24

7501 DADOT, F., and THÉRY, J. Curieux accident de parturition chez une jument. Rec. de Méd. Vét. 121: 147-148. May 1945. 41.9 R24

7502 DAMUDE, D. F. Penicillin and antitoxin in equine tetanus. Vet. Med. 40: 417-418. Dec. 1945. 41.8 M69

7503 FORSWYTH, H., and HODGKINSON, E. J. Hypocalcaemia in the mare. Vet. Rec. 57: 503. Nov. 10, 1945. 41.8 V641

7504 HENNING, M. W. Contagious abortion in horses. Farmer [Pietermaritzburg] 34(39): 7. Sept. 28, 1945. 24 F227

7505 IONOV, P. S. Vliianie karbokholina na zheludochno-kishechny trakt loshadi [Effect of Doryl (Karbokholin) on the stomach-intestinal tract of the horse]. Veterinariia 21(4): 34-37. Apr. 1944. 41.8 V6426

7506 JENSEN, H. E. Azoturia [in horses]. North Amer. Vet. 26: 720. Dec. 1945. 41.8 N812

7507 JUNQUEIRA, J. F. D. O cavalo mangalarga e as exigencias da atualidade. Chacaras e Quintais 72: 311-312. Sept. 15, 1945. 9.2 C34

7508 KURAPOV, P. M. Vospalenie predlopatochnykh i pakhovykh uzlov u molodykh loshadei [Inflammation of prescapular and inguinal nodes in young horses]. Veterinariia 21(4): 33-34. Apr. 1944. 41.8 V6426

A local low-grade infection observed in the Rostov-on-Don region.

7509 LENNETTE, E. H., and KOPROWSKI, H. Sero-logic distinctness of eastern, western, and Venezuelan equine encephalomyelitis viruses. Soc. Expt. Biol. and Med. Proc. 60(1): 110-114. Oct. 1945. 442.9 Sol

7510 LESBOUYRIES, G. Infection des équidés par Shigella viscosa. Rec. de Méd. Vét. 121: 10-30. Jan. 1945. Ref. 41.9 R24

7511 LEUTHOLD, A. Die einseitige diagnostische fesselanästhesie. Schweiz. Arch. f. Tierheilk. 87: 435-436. Oct. 1945. 41.8 Sch9  
For horses.

7512 LUACES AGÜERO, J. L. Adenitis equina (papera de los caballos). Rev. Ganad. [Habana] 5(7/8): 30-31. July/Aug. 1945. 49 R321

7513 MARCENAC. Neurofibromatose (tumeurs schwanniennes, schwannomes) du cheval. Rec. de Méd. Vét. 121: 101-108. Apr. 1945. 41.9 R24

7514 MEIER, H. Gibt es eine ansteckende virus-anämie de pferde in der Schweiz? Schweiz. Z. f. Path. u. Bakt. 8(1): 1-28. 1945. Ref. 448.8 Sch9  
German, French, Italian, and English summaries.

7515 PIRES, A. Contribución al estudio de las fistulas adquiridas, a lesión piógena profunda, en los equinos. Gac. Vet. 7: 72-101. Mar./Apr. 1945. 41.8 G112

7516 ROBIN, and PETROV. Deux saisons de monte à la jumenterie de Tiaret (Algérie). Rec. de Méd. Vét. 121: 161-176. June 1945. 41.9 R24

7517 ROBIN, V. L'encéphalose hépatique du cheval. Rec. de Méd. Vét. 121: 33-49. Feb. 1945. Ref. 41.9 R24

7518 SHARAN, M. S., and GILTNER, L. T. A review of the epizootiology of equine encephalomyelitis in the United States. Amer. Vet. Med. Assoc. J. 107: 279-288. Nov. 1945. Ref. 41.8 Am3

7519 SHUJA, J. Fracture of the second phalanx (os corona) in a horse, due to enemy action. Vet. Rec. 57: 492-493. Nov. 3, 1945. 41.8 V641

7520 SMITH, D. L. Oophorectomy in a nymphomaniac mare. Vet. Med. 40: 417. Dec. 1945. 41.8 M69

- 7521 SULKIN, S. E., ZARAFONETIS, C., and GOTH, A. Combined anesthesia and hyperimmune serum therapy in the treatment of experimental western equine encephalomyelitis. Soc. Expt. Biol. and Med. Proc. 60(1): 163-165. Oct. 1945. 442.9 Sol
- 7522 VERGE, J. Contribution à l'étude de l'antivirus gourmeux. Rec. de Méd. Vét. 121: 65-73. Mar. 1945. 41.9 R24
- 7523 WENTWORTH, BARONESS. Colic from red worm [Strongylus vulgaris] in the mesenteric artery. Vet. J. 101: 243. Oct./Nov. 1945. 41.8 V643

#### Miscellaneous

- 7524 ABERNATHY, MRS. P. R. Need a little help in naming your yearlings? Thoroughbred Rec. 142: 810. Dec. 8, 1945. 42.8 T39
- 7525 COUCH, V. M. Ponies for pets and pleasure. All-Pets Mag. 16(19): 64. Dec. 1945. 48.8 AL5
- 7526 CRESPO SERRANO, J. Influencia del ejercicio e higiene en la conservación de los sementales. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 4 (48): 30-33. Aug. 1945. 8 R3291
- Concerning horses.
- 7527 FERNANDEZ SALAZAR, E. Disquisiciones hipicas. Agricultura [Madrid] 14: 442-444. Sept. 1945. 15 Ag84
- 7528 GREEN, D. A. Achievements of the [British] army remount services during the war. Vet. Rec. 57: 545-546. Dec. 1, 1945. 41.8 V641
- Discussion, p. 546-548.
- 7529 HETZEL, 3 Jahre pferdezüchterische aufbauarbeit in Luxemburg. Landesbauernschaft Moselland. Wchnbl., No. 6, p. 67. Feb. 5, 1944. 18 L2328
- 7530 HOUSTON, P. Horsepower in the Philippines. Cattleman 32(7): 27. Dec. 1945. 49 C29
- Horses and carabaos.
- 7531 HUNGERFORD, T. G. The breaking, training and handling of horses. Methods described and illustrated. Agr. Gaz. N. S. Wales 56: 409-414. (Cont.) Sept. 1, 1945. 23 N472
- 7532 JAMESON, S. S. The Quorn ranch. II. Canad. Cattleman 8: 132-133, 140-141. Dec. 1945. 49 C16
- A horse ranch.
- 7533 LERENA, G. (HIJO). Las carreras, un medio y no un fin. Chacra 16(181): 19. Nov. 1945. 9 C34
- Practical uses for the race horse.
- 7534 MCNELLIS, R. Data concerning foals of Peruvian Remount Service. Amer. Vet. Med. Assoc. J. 107: 392-394. Dec. 1945. 41.8 Am3
- 7535 SCHREUDER, P. J. Horses as farm power. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 162, 2 p. Pretoria, 1945. 24 So82Pa
- 7536 WADLOW, T. J. Breaking a colt for farm work. Gt. Brit. Min. Agr. Agriculture 52: 368-370. Nov. 1945. 10 G79J

#### POULTRY

##### Breeds and Breeding

- 7537 ABSALOM, W. Rollers on the New Jersey coast. Amer. Pigeon J. 34(9/10): 135. Sept./Oct. 1945. Beltsville Branch Libr.
- 7538 ALEXANDER, A. K. S. Care with new [cockerel] blood. Farmer & Stock-Breeder 59: 1732. Oct. 30, 1945. 10 F228
- 7539 BACKYARD breeding risks; they are seldom justified. By Domesticus. Mod. Poultry Keeping 53: 354. Nov. 14, 1945. 47.8 Eg3
- 7540 BARLEY, H. D. It's the inside that counts. Poultry World 77: 253. Nov. 23, 1945. 47.8 P8682
- The gap between pedigree and show stocks.

- 7541 BARLEY, H. D. Too early breeding. Poultry World 77: 237. Nov. 16, 1945. 47.8 P8682
- 7542 BARLEY, H. D. Watch him - he's valuable. Poultry World 77: 265. Nov. 30, 1945. 47.8 P8682
- 7543 BARNES, P. Importance of a good strain of Rollers. Amer. Pigeon J. 34(9/10): 131. Sept./Oct. 1945. Beltsville Branch Libr.
- 7544 BARTON, O. A. Broad breasts [Bronze], perform well in North Dakota experiments. Turkey World 20(11): 28, 88. Nov. 1945. 47.38 T84
- 7545 BAUN, C. H. Some Roller facts. All-Pets Mag. 16(19): 50-51. Dec. 1945. 48.8 AL5
- Reprinted from the Yearbook of the United Roller Club.
- 7546 BOYD, J. E. Real pleasure from a flock of [Flying] Tipplers. Amer. Pigeon J. 34(9/10): 132. Sept./Oct. 1945. Beltsville Branch Libr.
- 7547 BROOMHEAD, W. W. Breeding from yearlings. Poultry [London] 97: 296. Nov. 6, 1945. 47.8 P869
- 7548 BURGESS, H. L. Modern Silver Spangled Hamburgs. Poultry Press 32(2): 1. Nov. 29, 1945. 47.8 P8643
- 7549 BYERLY, T. C. Increase turkey efficiency through breeding; National Turkey Improvement Plan offers opportunities to decrease our production costs. Turkey World 20(11): 16, 70. Nov. 1945. 47.38 T84
- 7550 CAMPBELL, H. L. Bald facts about Tumblers. Pigeon News 51(896): 10-11; (897): 14-15. Nov., Dec. 1945. 47.8 P621
- 7551 COLES, T. R., JR. A novice observes the Dorking fowl. Poultry Press 32(2): 3. Nov. 29, 1945. 47.8 P8643
- 7552 COOPER, M. On the spot. Poultry Press 32(2): 1. Nov. 29, 1945. 47.8 P8643
- Concerning standard bred poultry.
- 7553 DUMANN, R. W. An interesting experience with a new kind of Turbit. Amer. Pigeon J. 34(9/10): 139. Sept./Oct. 1945. Beltsville Branch Libr.
- 7554 EDWARDS, G. H. Look at those blue eggs! Mod. Poultry Keeping 53: 373. Nov. 21, 1945. 47.8 Eg3
- Produced by hens of the Araucana breed.
- 7555 FRITZGES, J. Origin and history of Moorhead Tumblers. Amer. Pigeon J. 34(9/10): 138. Sept./Oct. 1945. Beltsville Branch Libr.
- 7556 GRAHAM, L. P. The Muscovy duck. Amer. Poultry J. 76(11): 32. Nov. 1945. 47.8 Am32
- 7557 GREEN, E. J. The King beats them all. Pt. 2. Amer. Pigeon J. 34(9/10): 136. Sept./Oct. 1945. Beltsville Branch Libr.
- Part 1 issued in Amer. Pigeon J. 34(5/6): 70-71. May/June 1945 with title: The King rules them all.
- 7558 HAGEDOORN, A. L. Nucleus system of breeding. 1-2. Poultry Farmer [London] 113(2946): 3; (2947): 3. Dec. 7-14, 1945. 47.8 F312
1. Like does not breed like; 2. Trapnest brings us to a full stop.
- 7559 HEALE, W. Why is pullet breeding officially encouraged? Poultry Farmer [London] 113(2943): 3. Nov. 16, 1945. 47.8 F312
- 7560 HORTON, D. H. Make final selection of males. Amer. Poultry J. 76(11): 60. Nov. 1945. 47.8 Am32
- 7561 HOWES, H. Breeding birds of laying trial standard. Smallholder 74(1860): 12. Nov. 9, 1945. 10 Sml
- 7562 HOWES, H. Duck selection. Mod. Poultry Keeping 53: 319. Oct. 31, 1945. 47.8 Eg3
- For breeding.
- 7563 HUTTON, J. Faults to avoid in Polish [Bantams]. Poultry [London] 97: 299. Nov. 6, 1945. 47.8 P869



7564 HUTTON, J. Hamburgs are hard to breed. Poultry [London] 97: 283. Oct. 30, 1945. 47.8 P869 Bantams.

7565 HUTTON, J. Orpingtons and Barnevelders. Poultry [London] 97: 331. Nov. 20, 1945. 47.8 P869 Bantams.

7566 HUTTON, J. Rhode Island Reds and Rocks. Poultry [London] 97: 347. Nov. 27, 1945. 47.8 P869 Bantams.

7567 HUTTON, J. Two old-established breeds [Rose-Comb and Sebright Bantams]. Poultry [London] 97: 267. Oct. 23, 1945. 47.8 P869

7568 JAAP, R. G. Better meat birds. U. S. Egg & Poultry Mag. 51: 441-442. Oct. 1945. 286.85 Eg3

Effect of breeding.

7569 JONES, J. C. Breeding problems in Western Australia. Poultry Farmer [London] 113(2943): 8. Nov. 16, 1945. 47.8 F312

7570 JULL, M. A. Better layers. U. S. Egg & Poultry Mag. 51: 442-443. Oct. 1945. 286.85 Eg3

Effect of breeding.

7571 JULL, M. A. Making up breeding pens. Hatchery Tribune 19(12): 69-71. Dec. 1945. 47.8 H28

Includes discussion of records and progeny testing.

7572 KIDDEY, J. The training of young Rollers. Amer. Pigeon J. 34(9/10): 137. Sept./Oct. 1945.

Beltsville Branch Libr.  
7573 KINGMAN, J. A. Barred Rock Bantams. All-Pets Mag. 16(19): 44. (Concl.) Dec. 1945. 48.8 AL5

7574 KNOWLES, T. Selecting the breeders. Poultry [London] 97: 278, 297. Oct. 30, Nov. 6, 1945. 47.8 P869

Includes culling.

7575 METZ, J. W. Preparing Turbits for exhibition. Amer. Pigeon J. 34(9/10): 135. Sept./Oct. 1945. Beltsville Branch Libr.

7576 METZ, J. W. Training Turbits for exhibition. Amer. Pigeon J. 34(9/10): 139. Sept./Oct. 1945. Beltsville Branch Libr.

Also in All-Pets Mag. 16(19): 53-54. Dec. 1945. 48.8 AL5

7577 METZ, J. W. The Turbit in the Middle Ages. Amer. Pigeon J. 34(9/10): 136-139. Sept./Oct. 1945. Beltsville Branch Libr.

7578 METZ, J. W. The various colors in Turbits. Amer. Pigeon J. 34(9/10): 136-137. Sept./Oct. 1945. Beltsville Branch Libr.

7579 MOORE, A. C. When introducing new blood. Poultry [London] 97: 358. Dec. 4, 1945. 47.8 P869

7580 NEWMAN, T. Mere "males." Mod. Poultry Keeping 53: 414. Dec. 5, 1945. 47.8 Eg3

7581 NEWMAN, T. Nature and the poultry keeper. Mod. Poultry Keeping 53: 318-319. Oct. 31, 1945. 47.8 Eg3

Breeding of poultry.

7582 PHILLIPS, R. E. Dual-purpose birds. U. S. Egg & Poultry Mag. 51: 440-441. Oct. 1945. 286.85 Eg3

7583 POWELL-OWEN, W. Balancing the mating. Poultry World 77: 272. Nov. 30, 1945. 47.8 P8682

7584 PRALL, P. A. Factors affecting fertility. Poultry World 77: 229. Nov. 9, 1945. 47.8 P8682

Mainly concerning the cock.

7585 PRETI, D. F. Rhode Island Colorada. Campo [Buenos Aires] 29(348): 55, 66. Oct. 1945. 9 C15

7586 PURE bred or first cross poultry? North. Ireland. Min. Agr. Monthly Rpt. 20: 206-208. Nov. 1945. 256.13 Ag82M

7587 RABSAHL, P. How I got started with White Kings. Amer. Pigeon J. 34(9/10): 135. Sept./Oct. 1945. Beltsville Branch Libr.

7588 ROBINSON, L. Will White Wyandottes return to favour? Mod. Poultry Keeping 53: 358-359. Nov. 14, 1945. 47.8 Eg3

7589 ROSCOE, C. Judge Khaki Campbells to standard! Poultry [London] 97: 294. Nov. 6, 1945. 47.8 P869

7590 SHAPOVALOV, I. A. I. A. Ukrupnenie kur Leggorn [Growth of Leghorn hens]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, v. 119-121. 1945. 20 M857

7591 SHELTON, F. Give the breeders a break; proper management needed to assure production of quality hatching eggs. Turkey World 20(12): 18-19, 87-90. Dec. 1945. 47.38 T84

7592 STURTEVANT, R. Wyandottes are great producers. Poultry Press 32(2): 3. Nov. 29, 1945. 47.8 P843

7593 WEBSTER, J. H. Hungarian improvement in last 20 years. Amer. Pigeon J. 34(9/10): 131. Sept./Oct. 1945. Beltsville Branch Libr.

7594 YITZHAKI, E. The breeding of turkey hens. (In Hebrew.) Hassadeh 26: 28-30. Oct. 1945. 26 H27

### Feeds and Feeding

7595 BETHKE, R. M. Nutrition in relation to hatchability and early stages of chick growth. Canada Poultryman 32(11): 8, 18-20. Nov. 1945.

Also in Canad. Poultry Rev. 69(12): 23-24, 27. Dec. 1945. 47.8 C16

7596 BLACKWELL, H. L. Feeding routine should be systematic. Mod. Poultry Keeping 53: 338-339. Nov. 7, 1945. 47.8 Eg3

7597 BROOMEFAD, W. W. Pullets starting to lay. Poultry [London] 97: 344. Nov. 27, 1945. 47.8 P869

Feeding.

7598 C., H. Chick food needs; how to estimate requirements. Mod. Poultry Keeping 53: 337. Nov. 7, 1945. 47.8 Eg3

7599 CLINE, L. E. Maturity in turkeys essential to profit. Norbest Turkey News 10(6, i. e. 5): 1, 3, 5-6. Dec. 1945. 47.38 N75

Feeding requirements.

7600 COLLINSON, H. Fold units for fattening. Smallholder 74(1862): 13. Nov. 23, 1945. 10 Sml

7601 COLLINSON, H. Foods must be fresh. Mod. Poultry Keeping 53: 417. Dec. 5, 1945. 47.8 Eg3

7602 CORRETT, D. Christmas dinner hints. Poultry Farmer [London] 113(2943): 7. Nov. 16, 1945. 47.8 F312

Slaughtering with feeding suggestions during last three weeks.

7603 ENRIQUEZ, R. Sobre alimentación de las gallinas. Chacra 16(181): 57. Nov. 1945. 9 G34

7604 FEEDING penned cocks, by Old Fogey. Game Fowl News 21(10): 1, 2. Dec. 1945. 47.8 G143

7605 FERGUSON, C. M. Poultry feeding problems. Flour & Feed 46(7): 12-13. Dec. 1945. 298.8 F66

7606 GORRIE, C. J. R. Fish oil instead of green feed for poultry and pigs. Stock and Land 35(18): 3. May 2, 1945. 49 St63

As a source of vitamin A.

7607 GRANGE, C. Christmas poultry: the last lap in fattening. Smallholder 74(1861): 12. Nov. 16, 1945. 10 Sml

7608 LACKLAND, S. B. Building and using coop walks; essential foods for cocks and stags produce proper power, stamina and vitality; brief remarks on breeding technique. Grit and Steel 47(8): 40-41. (Concl.) Dec. 1945. 47.8 G88

7609 LODGE, C. Fattening Christmas dinners. Poultry Farmer [London] 113(2941): 6-7. Nov. 2, 1945. 47.8 F312

- 7610 MCCLYMONT, G. L. The nutritional requirements of poultry. *Agr. Gaz. N. S. Wales* 56: 419-421. (Cont.) Sept. 1, 1945. 23 N472
- 7611 MASHES must be "palatable." By Domesticus. *Mod. Poultry Keeping* 53: 334. Nov. 7, 1945. 47.8 Eg3
- 7612 MOORE, A. C. Fattening and marketing turkeys. *Poultry [London]* 97: 294, 300. Nov. 6, 1945. 47.8 P869  
Chiefly feeding with suggestions as to slaughtering.
- 7613 MOORE, A. C. Poults need more protein than chickens. *Poultry [London]* 97: 278. Oct. 30, 1945. 47.8 P869
- 7614 NEWMAN, T. An old problem. *Mod. Poultry Keeping* 53: 378. Nov. 21, 1945. 47.8 Eg3  
Nutrition of poultry.
- 7615 OLSSON, N. Mjöl av torkade svinklår som kycklingfoder. *Lantmannen* 29: 933-936. Oct. 20, 1945. 11 L234  
Experiments on meal from dried swine hoofs as poultry feed, carried out at Husdjursförsöksanstalten, Lantbrukshögskolan.
- 7616 POWELL-OWEN, W. Feeding the growing poultry stock. *Farmers' Gaz., North. Ireland Ed.*, June 1945, p. 263, 259. 10 F2212
- 7617 ROSCOE, C. Abnormal duck eggs. *Poultry [London]* 97: 262. Oct. 23, 1945. 47.8 P869  
Effect of feeding.
- 7618 TAYLOR, M. W. Yolk colour; effect of feeding various products. *Mod. Poultry Keeping* 53: 409. Dec. 5, 1945. 47.8 Eg3
- 7619 TEMPERTON, H., and DUDLEY, F. J. The use of fortified dried food waste for laying pullets reared on diets containing this food. *Harper Adams Util. Poultry J. (n. s.)* 30: 50-53. July 1945. 47.8 P8612
- 7620 TULLY, W. C. Feeding breeding stock. *Turkey World* 20(11): 18, 88-89. Nov. 1945. 47.8 T84
- 7621 WASTEFUL off-ration foods. By Domesticus. *Mod. Poultry Keeping* 53: 394. Nov. 28, 1945. 47.8 Eg3
- 7622 WHERRY, L. Feed is a factor. *U. S. Egg & Poultry Mag.* 51: 454-455. Oct. 1945. 286.85 Eg3
- 7623 WINTER, A. R. Feeds and feeding. *Amer. Poultry J.* 76(12): 6, 20-21, 51. Dec. 1945. 47.8 Am32
- Veterinary Medicine
- 7624 AIRD, M. W. Capons and castronizing. *So. Austral. Dept. Agr. J.* 49: 65-68. Sept. 1945. 23 So84
- 7625 ALONSO N., L. Diftero-virus en las gallinas. *Unión Agr. del Sur* 3(18/19): 25-27. July/Sept. 1945. 9.3 Un3
- 7626 BEAUDETTE, F. R., and HUDSON, C. B. Additional outbreaks of equine encephalomyelitis in New Jersey pheasants. *Amer. Vet. Med. Assoc. J.* 107: 384-386. Dec. 1945. 41.8 Am3
- 7627 BENSON, T. A. Bumble foot. *Canad. Countryman* 34(25): 27. Dec. 8, 1945. 7 C833
- 7628 BIRWISTLE, V. How food is turned into eggs. *Poultry [London]* 97: 265-266. Oct. 23, 1945. 47.8 P869
- 7629 BONALUME, W. L. Doenças que atacam os pombos. *Fauna [São Paulo]* 4(9): 43-44. Sept. 1945. 410 F272
- 7630 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. How to dub male fowls. *Amer. Poultry J.* 76(12): 79-80. Dec. 1945. 47.8 Am32
- 7631 BROOMHEAD, W. W. How to caponise cockerels. *Poultry [London]* 97: 328. Nov. 20, 1945. 47.8 P869
- 7632 CAMPBELL, J. G. An infectious enteritis of young turkeys associated with *Cochlosoma* sp. *Vet. J.* 101: 255-259. Dec. 1945. 41.8 V643
- 7633 CARR, J. G. Heritable susceptibility of poultry to cancer virus. *Ann. Appl. Biol.* 32: 279. Aug. 1945. 442.8 An72  
Part of a Symposium on the genetical relations of plants and animals to their pests and diseases conducted by the Association of Applied Biologists.
- 7634 CASSAMAGNAGHI, A. (HIJO). Dos especies de Capillaria (Trichosomum), parasitando el tubo digestivo superior de patos y gallinas. *Uruguay. Min. de Ganad. y Agr. B. Mens.* 28: 237-249. July/Sept. 1945. Ref. 41.9 Ur8
- 7635 COATNEY, G. R., COOPER, W. C., and TREMBLEY, H. L. Studies on *Plasmodium gallinaceum* Brumpt. III. The incidence and course of the infection in young chicks following the subcutaneous inoculation of pooled sporozoites [equivalent to one mosquito, *Aedes aegypti*]. *Amer. J. Hyg.* 42: 323-329. Nov. 1945. 449.8 Am3
- 7636 COLLINS, N. Poultryman's [disease] problems. *Pacific Poultryman* 49(11): 16-18. (To be cont.) Dec. 1945. 47.8 P112
- 7637 DADOT, F. Botulisme des canards. *Rec. de Méd. Vét.* 121: 177-180. June 1945. 41.9 R24
- 7638 HARDISTY, R. J. Vetting the pullets; to ensure a clean bill of health weekly handling nips trouble in the bud. *Poultry World* 77: 237. Nov. 16, 1945. 47.8 P8682
- 7639 HART, L., and DUNCAN, D. C. Feeding sulphur to prevent coccidiosis in chickens; the effect on health and growth. *Country Life [Sydney]* 57(15): 3. Oct. 12, 1945. 286.85 Sy2
- 7640 HEVESY, G., and OTTESEN, J. Life-cycle of the red corpuscles of the hen. *Nature [London]* 156: 534. Nov. 3, 1945. 472 N21
- 7641 HINSHAW, W. R. Fowl pox in turkey breeding flocks. *Calif. Cult.* 92: 684. Dec. 8, 1945. 6 C12
- 7642 HOLLANDER, W. F. Lethal achondroplasia in the pigeon. *J. Hered.* 36: 297-300. Oct. 1945. 442.8 Am3
- 7643 HOWES, H. Lameness among the laying ducks. *Mod. Poultry Keeping* 53: 414-415. Dec. 5, 1945. 47.8 Eg3
- 7644 JOFFE, J. S. Early observations on antibiotic substances in *Penicillium glaucum* and other organisms against a virus. *Science* 102: 623. Dec. 14, 1945. 470 Sc12  
Mainly a quotation from a Russian paper published in 1904 by M. G. Tartakowski on the destruction of fowl cholera virus.
- 7645 KOMAROV, A., and GOOR, S. Paratyphoid infections of poultry in Palestine with special reference to water-fowls. (In Hebrew.) *Hassadeh* 26: 32-40. Oct. 1945. 26 H27
- 7646 KRAKOWER, C. A., and GOETTSCH, M. Effect of excessive ingestion of sodium chloride on the chick, with particular reference to renal changes. *Arch. Path.* 40: 209-219. Oct. 1945. 448.8 Ar26
- 7647 LEE, C. D. Avian leukosis complex. *Amer. Poultry J.* 76(12): 8, 52-53. Dec. 1945. 47.8 Am32
- 7648 LESTREM, A. Afección del buche de las aves. *Mundo Avic.* 8(92): 32. Oct. 1945. 47.8 M92
- 7649 LODGE, C. Poultry operations. *Poultry Farmer [London]* 113(2945): 6. Nov. 30, 1945. 47.8 F312
- 7650 MONTEIRO, M. Ornitose (febre dos pombos) peitacose e pneumonia podem-se confundir clinicamente. *Fauna [São Paulo]* 4(9): 21-22. Sept. 1945. 410 F272
- 7651 MONTEVERDE, J. J. Pullorosis. *Mundo Avic.* 8(92): 24-25, 58. Oct. 1945. 47.8 M92
- 7652 MORGAN, E. G. Strange aperture. *Poultry Farmer [London]* 113(2946): 8. Dec. 7, 1945. 47.8 F312  
Digestive system of the fowl.



7653 NEWMAN, T. We must look at home for disease causes. *Mod. Poultry Keeping* 53: 358-359. Nov. 14, 1945. 47.8 Eg3

In Great Britain.

7654 PEASE, M. S. Observations on heritable disease in poultry. *Ann. Appl. Biol.* 32: 279. Aug. 1945. 442.8 An72

Part of a Symposium on the genetical relations of plants and animals to their pests and diseases conducted by the Association of Applied Biologists.

7655 POWELL-OWEN, W. Bone, but not beef...the all-important problem of bone. *Poultry World* 77: 232. Nov. 9, 1945. 47.8 P8682

7656 PRYKE, W. J. My experiences with colds. *Poultry Farmer* [London] 113(2946): 8-9. Dec. 7, 1945. 47.8 F312

7657 QURASHI, S. H. Some observations on *Amoebotaenia sphenoides* from poultry. *Indian J. Vet. Sci. and Anim. Husb.* 14: 165-166. Sept. 1944. 44.8 In22

7658 SCRIVNER, L. H. Sulfathalidine in the treatment of colibacillosis of turkey poult. *Amer. Vet. Med. Assoc. J.* 107: 302. Nov. 1945. 41.8 Am3

7659 SIERRA Z., J. Observaciones preliminares en el gallinero para determinar su grado de salud. *Unión Agr. del Sur* 3(18/19): 46-47. July/Sept. 1945. 9.3 Un3

In diagnosing diseases.

7660 SIMONPIETRI, R. H. Tiña; enfermedad de la cresta - tiña galli - tiña fagosa. *Chacra* 16(181): 54-55. Nov. 1945. 9 C34

7661 SIMONPIETRI, R. H. Vacunaciones preventivas y curativas. *Chacra* 15(180): 46. Oct. 1945. 9 C34

Of poultry.

7662 SMITH, H. R. Tuberculosis in poultry and hogs. *Hoard's Dairyman* 90: 732-733. Dec. 10, 1945. 44.8 H65

7663 SODERBERG, P. M. New treatment for bumblefoot. *Poultry Farmer* [London] 113(2943): 6-7. Nov. 16, 1945. 47.8 F312

7664 STAMATTIN, N., GEORGESCO, V., and LUSCALOV, S. Sensibilité de *Pasteurella avicida* à l'action bactéricide des sulfamides. *Inst. Pasteur, Paris. Ann.* 71: 250-263. July/Aug. 1945. 448.3 An75

7665 STUBBS, E. L. Newcastle disease. *Pa. U. School Vet. Med., Vet. Ext. Q., No. 100*, p. 3-9. Oct. 16, 1945. 41.9 P386

7666 TEMPERTON, H., and DUDLEY, F. J. The use of phenothiazine in the control of worms among laying pullets. *Harper Adams Util. Poultry J.* (n. s.) 30: 37-41. July 1945. 47.8 P8612

7667 WORTHINGTON, J. "C. B." *Poultry Farmer* [London] 113(2941): 6. Nov. 2, 1945. 47.8 F312

Crooked breast bones in poultry.

7668 ZUMBRO, P. B. Chick laws - one solution. *Hatchery Tribune* 19(12): 52-53. Dec. 1945. 47.8 H28

Concerning pullorum testing.

#### Miscellaneous

7669 ACNÉ ALDERETE, A. Incubación natural y artificial. *Cuba. Min. de Agr. Rev.* (ser. 4) 28(3): 56-62. July/Sept. 1945. 8 Ag88Re

7670 B., M. Cannibals in hen house. *Wallaces' Farmer and Iowa Homestead* 70: 947. Dec. 15, 1945. 6 W15

7671 BAKER, L. It's the hover litter that counts. *Poultry Farmer* [London] 113(2944): 3. Nov. 23, 1945. 47.8 F312

7672 BALL, W. V. How to run half an acre. 2-4. *Poultry Farmer* [London] 113(2940): 6-7; (2941): 6; (2942): 7. Oct. 26-Nov. 9, 1945. 47.8 F312

2. Poultry is most profitable small stock; 3. Keep goats and bees; 4. Keeping birds in batteries.

7673 BARLEY, H. D. Groom them to win. *Poultry World* 77: 225. Nov. 9, 1945. 47.8 P8682

7674 BARLEY, H. D. Pre-show handling. *Poultry World* 77: 209. Nov. 2, 1945. 47.8 P8682

7675 BARLEY, H. D. Show and utility stocks. *Poultry World* 77: 193. Oct. 26, 1945. 47.8 P8682

7676 BASTOS, H. M. Como vencer a avicultura industrial e seus problemas atuais. *Chacaras e Quintais* 72: 309-310. (Cont.) Sept. 15, 1945. 9.2 C34

Poultry raising in Brazil.

7677 BE PITILESS when culling. By Domesticus. *Mod. Poultry Keeping* 53: 410. Dec. 5, 1945. 47.8 Eg3

7678 BENSON, T. A. Frozen combs. *Canad. Countryman* 34(25): 26. Dec. 8, 1945. 7 C833

7679 BIRD buying without squabbles. By Domesticus. *Mod. Poultry Keeping* 53: 373. Nov. 21, 1945. 47.8 Eg3

7680 BIRTWISTLE, V. Get incubators and brooders ready. *Poultry* [London] 97: 297. Nov. 6, 1945. 47.8 P869

Sanitation.

7681 BIRTWISTLE, V. Week-end trap-nesting. *Poultry* [London] 97: 329. Nov. 20, 1945. 47.8 P869

7682 BROOMHEAD, W. W. Picking out the pullets. *Poultry* [London] 97: 280. Oct. 30, 1945. 47.8 P869

7683 BROOMHEAD, W. W. Pullets moulting now. *Poultry* [London] 97: 264. Oct. 23, 1945. 47.8 P869

7684 BROOMHEAD, W. W. When to discard layers. *Poultry* [London] 97: 360. Dec. 4, 1945. 47.8 P869

7685 CALIFORNIA arms for total warfare against pullorum; enters National [Turkey Improvement] Plan. *Turkey World* 20(11): 22-23. Nov. 1945. 47.38 T84

7686 CAMPBELL, H. To trim or not to trim [for show]? *Pigeon News* 51(897): 9, 12. (To be cont.) Dec. 1945. 47.8 P621

7687 CAMPBELL, H. L. Here and there -- about pigeons. *Amer. Pigeon J.* 34(9/10): 134. Sept./Oct. 1945. Beltsville Branch Libr.

7688 CARR, C. H. Cull your flock now. *Amer. Pigeon J.* 34(9/10): 140. Sept./Oct. 1945. Beltsville Branch Libr.

7689 CASTILLON, G. Élevage de la volaille à la ferme. *B. Agr. des Hautes-Pyrénées*, No. 400, p. 18-20. Jan./Feb. 1944. 14 B875

7690 COAD, W. H. Broodiness; a health factor. *Mod. Poultry Keeping* 53: 397. Nov. 28, 1945. 47.8 Eg3

7691 COLES, J. D. W. A. Turkeys are not hard to rear - this way. *Farmer* [Pietermaritzburg] 34(39): 19. Sept. 28, 1945. 24 F227

7692 COLLINSON, H. Grooming birds for a laying competition. *Mod. Poultry Keeping* 53: 338-339. Nov. 7, 1945. 47.8 Eg3

7693 COLLINSON, H. It's not the best way... some errors in small flock management. *Smallholder* 74(1859): 12. Nov. 2, 1945. 10 Sml

7694 COLLINSON, H. Lancashire's unorthodox poultry farmer. *Mod. Poultry Keeping* 53: 396-397. Nov. 28, 1945. 47.8 Eg3

7695 COLLINSON, H. Mastering the moult. *Mod. Poultry Keeping* 53: 381. Nov. 21, 1945. 47.8 Eg3

7696 COLLINSON, H. More work - and worth it; eliminating the "wrong-uns" ... may mean a period of trap-nesting - but is well repaid in the long run. *Farmers Weekly* [London] 23(20): 43. Nov. 16, 1945. 10 F2226

7697 COREY, D. J. Two with one stone. *Amer. Poultry J.* 76(12): 22, 24. Dec. 1945. 47.8 Am32

Trapping predators of poultry and selling their skins.

7698 COVINGTON, S. Rid your farm of rodents. *Amer. Poultry J.* 76(12): 78-79. Dec. 1945. 47.8 Am32



- 7699 EVERY domestic bird a pullet. By Domesticus. Mod. Poultry Keeping 53: 354. Nov. 14, 1945. 47.8 Eg3  
Egg production in an all-pullet flock.
- 7700 FARRIS, C. F., and others. Incubación natural y artificial. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(49): 31-36. Sept. 1945. 8 R3291  
T. T. Brown, C. J. Maupin, and R. S. Dearstyne, joint authors.
- 7701 FEARL, R. C. Farm flocks; they produce most of America's poultry and eggs. U. S. Egg & Poultry Mag. 51: 448-449. Oct. 1945. 286.85 Eg3
- 7702 FLOAT, F. P. All-intensive methods safest for turkey farming. Mod. Poultry Keeping 53: 414-415. Dec. 5, 1945. 47.8 Eg3
- 7703 GAMERO ROBLES, A. M. La crianza y crecimiento de pollitos. Mundo Avic. 8(92): 38-39, 55. Oct. 1945. 47.8 M92
- 7704 GARNER, C. E. The laying battery's bright future. Mod. Poultry Keeping 53: 353. Nov. 14, 1945. 47.8 Eg3
- 7705 GLOVER, MRS. R. A farm flock of geese. Amer. Poultry J. 76(12): 81-82. Dec. 1945. 47.8 Am32
- 7706 GORDON, M. D. Building up a sound strain. Field 186: 456. Nov. 3, 1945. 10 F45  
General advice concerning poultry.
- 7707 GRANGE, C. An important point in judging [poultry]. Smallholder 74(1860): 13. Nov. 9, 1945. 10 Sml
- 7708 GRANGE, J. This is my poultry farm. Poultry Farmer [London] 113(2946): 4. Dec. 7, 1945. 47.8 F312
- 7709 GUICHARD, A. La muda del plumaje. Liborio 5(10): 7. Oct. 1945. 43.8 V41
- 7710 HADARI, M. A trial relating to the keeping of fowls for a third year. (In Hebrew.) Hassadeh 26: 30-31. Oct. 1945. 26 H27
- 7711 HAMMER, L. V. Turkey--mystery bird. Wis. Agr. and Farmer 72(22): 24-25. Nov. 17, 1945. 6 W751
- 7712 HANNAS, R. R. 1945 winners; final report of 1944-1945 egg laying tests. Amer. Poultry J. 76(11): 8, 54-57. Nov. 1945. 47.8 Am32
- 7713 HANNAS, R. R. The 1946 chick flock. Amer. Poultry J. 76(12): 4, 47. Dec. 1945. 47.8 Am32  
And the hatcheries from which procured.
- 7714 HARDISTY, R. J. Colour changes; with advancing age plumage may deteriorate. Poultry World 77: 225. Nov. 9, 1945. 47.8 P8682
- 7715 HARLOW, W. Pigeon talk given to the boys at Camp Edwards, Mass. Pigeon News 51(897): 6, 10. (To be cont.) Dec. 1945. 47.8 P621  
Historical account.
- 7716 HAYS, F. A. What about molting? Some observations of value to poultry breeders. Amer. Poultry J. 76(12): 3, 60-61. Dec. 1945. 47.8 Am32
- 7717 HIRSCH, A. Produce deal no minor sideline to Hemerick. Poultry Supply Dealer 22(12): 16-17. Dec. 1945. 47.8 B11  
Description of a hatchery.
- 7718 HOLLANDER, W. F., and STEGGERDA, M. The homing faculty in pigeons. Amer. Pigeon J. 34 (9/10): 144. Sept./Oct. 1945. Beltsville Branch Libr.
- 7719 HOLLANDER, W. F. A type of psychopathy in the domestic pigeon. J. Compar. Psychol. 38(5): 287-289. Oct. 1945. Beltsville Branch Libr.
- 7720 HOWES, H. Goose marketing. Mod. Poultry Keeping 53: 359. Nov. 14, 1945. 47.8 Eg3  
Slaughtering and care, before and after.
- 7721 HOWES, H. Keeping-up winter egg yields. The three main factors: warmth, light, ventilation. Smallholder 74(1859): 12. Nov. 2, 1945. 10 Sml
- 7722 HOWES, H. The value of winter eggs. Farming News and North Brit. Agr. 97(46): III. Nov. 9, 1945. 10 N82
- 7723 INDIAN VETERINARY JOURNAL. Special poultry number. Indian Vet. J., v. 22, No. 2, p. 71-148. Sept. 1945. 41.8 In2  
Partial contents: The future of Indian poultry industry, by G. Williamson, p. 71-77; Anatomy of the domestic fowl, by H. N. C. Iyengar, p. 83-106; Poultry from the army point of view, by H. W. Cole, p. 112-113; The problem of poultry mortality, by A. J. Macdonald, p. 113-118; Final progress report of the scheme for research into the diseases of poultry, I. V. R. I. Izatnagar (10-2-1939 to 14-4-1944); abstract of results having practical application, p. 118-122; The present position of the poultry industry in Hyderabad state, by S. N. Mohteda, p. 122-124; The present position of the poultry industry in India, by D. A. Ramanadhan, p. 124-131; Poultry keeping in India, by N. Islam, p. 131-133; Ranikhet disease in the Assam Province, by U. Nobindro, p. 135-137; Selection and care of hatching eggs, by M. Maqsood, p. 138-140; Poultry industry in Madras, by H. N. Rao, p. 140-143; Pedigreeing in poultry, by D. A. Ramanadhan, p. 143-144.
- 7724 JOHNSON, R. D. Station feeding. U. S. Egg & Poultry Mag. 51: 467-468. Oct. 1945. 286.85 Eg3  
Concerning a battery system.
- 7725 JONES, C. D. Good management pays. Turkey World 20(12): 26, 77-83. Dec. 1945. 47.38 T84
- 7726 JONES, R. Laying flock management the year round. Cackle and Crow 28(2): 3. Dec. 1945. 47.8 C11
- 7727 JULL, M. A. How many pullets are needed to prove value of dam or sire? Canada Poultryman 32(11): 9-10. Nov. 1945. 47.8 C166
- 7728 KLEIN, G. T. When you house your pullets. Esso Farm News 4(6): 6-7. Nov. 1945. 6 Es72
- 7729 LODGE, C. Managing batteries in winter. Poultry Farmer [London] 113(2946): 9. Dec. 7, 1945. 47.8 F312
- 7730 LODGE, C. Preventing partial moult. Poultry Farmer [London] 113(2943): 7. Nov. 16, 1945. 47.8 F312
- 7731 LODGE, C. Vices; their prevention and treatment. Poultry Farmer [London] 113(2942): 6. Nov. 9, 1945. 47.8 F312
- 7732 LODGE, C. Winter eggs in plenty. Poultry Farmer [London] 113(2940): 7. Oct. 26, 1945. 47.8 F312
- 7733 LOWRY, G. Pattern for poultry profits. Furrow, St. L. - North F. Ed., 50: 5. Nov./Dec. 1945. 6 F98SL  
Description of a poultry farm.
- 7734 MCARDLE, A. A. Incubation at Parafield Poultry Experiment Station. So. Austral. Dept. Agr. J. 49: 47-54. Sept. 1945. 23 So84
- 7735 MANN, D. They avoid poultry trouble. Kans. Farmer 82(22): 6, 22. Nov. 17, 1945. 6 K13
- 7736 MITCHELL, J. Static folds. Poultry Farmer [London] 113(2945): 3. Nov. 30, 1945. 47.8 F312  
Confinement raising.
- 7737 MOORE, A. C. Shows should widen their scope. Poultry [London] 97: 326. Nov. 20, 1945. 47.8 P869
- 7738 MOORE, A. C. Why I rear poult's intensively. Poultry [London] 97: 262. Oct. 23, 1945. 47.8 P869
- 7739 MOORE, A. C. Work out a 1946 rearing plan. Poultry [London] 97: 342. Nov. 27, 1945. 47.8 P869
- 7740 MOORE, F. Questions and answers on the National Turkey Improvement Plan. Turkey World 20 (12): 56-58. Dec. 1945. 47.38 T84



7741 NEEL, L. G., and ALBERT, J. A. Vic Will teams chickens with turkeys. Turkey World 20(11): 14-15, 89-94. Nov. 1945. 47.38 T84

7742 NEWMAN, T. Bird weights. Mod. Poultry Keeping 53: 338. Nov. 7, 1945. 47.8 Eg3  
As relating to egg production.

7743 NEWMAN, T. Why don't the birds lay? Mod. Poultry Keeping 53: 399. Nov. 28, 1945. 47.8 Eg3

7744 OGLE, R. C. 4-H boy knows his job; New York member operates a successful poultry project. Amer. Poultry J. 76(11): 10, 21. Nov. 1945. 47.8 Am32

7745 OLSSON, N. Gåsuppfödningen bör bli mera populär; gäskötsel i Sverige förr och nu. Lantmannen 29: 999-1000, 1020. Nov. 1945. 11 L234  
History of geese raising in Sweden, including material on breeding and feeding.

7746 PALMA, D. Selección de pollas ponedoras en las chacras. Chacra 15(180): 48. Oct. 1945. 9 C34

7747 PARISH, A. J. Floor eggs: some pullets require educating to use the nest box. Poultry World 77: 209. Nov. 2, 1945. 47.8 P8682

7748 PARISH, A. J. Schedules for laying; to some extent the period of production is a controlled factor. Poultry World 77: 232. Nov. 9, 1945. 47.8 P8682

7749 PEDERICK, W. O. Incubation of eggs. Victoria. Dept. Agr. J. 43: 447-450. Oct. 1945. 23 V66J

7750 PEDERSEN, I. O. Commercial egg producers emphasize quality. U. S. Egg & Poultry Mag. 51: 450-451. Oct. 1945. 286.85 Eg3

7751 PENNY, J. G. One of Scotland's leading poultrymen. Mod. Poultry Keeping 53: 318-319. Oct. 31, 1945. 47.8 Eg3  
Description of a poultry farm.

7752 PETTIT, J. H. Preparations for the chicks. Canad. Poultry Rev. 69(12): 7-9. Dec. 1945. 47.8 C16

7753 PLEASURE or nuisance? By Domesticus. Mod. Poultry Keeping 53: 314. Oct. 31, 1945. 47.8 Eg3  
Different attitudes toward poultry farming.

7754 POWELL-OWEN, W. Check the monthly charts; if trap-nesting is worth carrying out it is worth doing properly. Poultry World 77: 202. Oct. 26, 1945. 47.8 P8682

7755 POWELL-OWEN, W. Conditioning stock cockerels. Poultry World 77: 260. Nov. 23, 1945. 47.8 P8682

7756 POWELL-OWEN, W. Evidence of the moult; behaviour of breeders through the period of the moult provides a useful guide as to their future. Poultry World 77: 242. Nov. 16, 1945. 47.8 P8682

7757 POWELL-OWEN, W. Pass out inferior pullets trap-nesting quickly reveals the good and the bad. Poultry World 77: 218. Nov. 2, 1945. 47.8 P8682

7758 PRALL, P. A. Watch for floor layers; a habit that grows unless checked in the early stages. Poultry World 77: 257. Nov. 23, 1945. 47.8 P8682

7759 RABINOVITCH, S. Hatching results in the prize poultry farms in 1944/45. (In Hebrew.) Has-sadeh 25: 570-573. Aug./Sept. 1945. 26 H27

7760 RENNEBERG, A. Die brutzeit und bruteinlagen 1944. Landesbauernschaft Moselland. Wchnbl., No. 8, p. 89. Feb. 19, 1944. 18 L2328

7761 ROBINSON, L. Poultry training "over the border." Mod. Poultry Keeping 53: 378-379. Nov. 21, 1945. 47.8 Eg3  
At the West of Scotland Agricultural College.

7762 ROOME, C. A. Help birds in moult. Farmer & Stock-Breeder 59: 1732. Oct. 30, 1945. 10 F228

7763 ROSCOE, C. Why ducks lay green-shelled eggs. Poultry [London] 97: 326. Nov. 20, 1945. 47.8 P869

Various types of abnormalities.

7764 SIMPSON, K. L. Give them air to help rearability. Mod. Poultry Keeping 53: 396. Nov. 28, 1945. 47.8 Eg3

As concerns care of chicks.

7765 SLEIDE, E. F. The brooder house. Pacific Poultryman 49(11): 5. Dec. 1945. 47.8 P112  
Care of chicks.

7766 SMALL, M. C. Kaisers found gold in turkeys. Turkey World 20(12): 14-15, 91-93. Dec. 1945. 47.38 T84

7767 SMETNEV, S. I. Biologicheskie osnovy bo-nitirovki autochaykh tsynolat [Biological principles in culling day old chicks]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok., No. 1, v. 117-118. 1945. 20 M857

7768 SMITH, E. Small beginnings are best. Poultry [London] 97: 342. Nov. 27, 1945. 47.8 P869

7769 SODERBERG, P. M. Dust baths. Poultry Farmer [London] 113(2944): 6. Nov. 23, 1945. 47.8 F312

7770 SODERBERG, P. M. Heads tell. Poultry Farmer [London] 113(2940): 6. Oct. 26, 1945. 47.8 F312

As a guide to culling.

7771 SODERBERG, P. M. Pullets with rhythm. Poultry Farmer [London] 113(2946): 9. Dec. 7, 1945. 47.8 F312

Egg production.

7772 SPONG, A. N. The breeder and you. Poultry World 77: 218. Nov. 2, 1945. 47.8 P8682

Concerning purchasing.

7773 SWEPSTONE, H. E. Commercial laying battery farming. 1-7. Poultry Farmer [London] 113 (2938): 3; (2939): 3; (2940): 3; (2941): 3; (2942): 3; (2943): 3; (2944): 3. Oct. 12-Nov. 23, 1945. 47.8 F312

1. Starting with day-olds or 4-months pullets; 2. My stop gap rearing methods; 3. How I rear my pullet chicks intensively; 4. Hardening off intensive chicks; 5. Two forms of intensive rearing; 6. My second rearing method; 7. One man can look after 1,200 cages.

7774 THOMPSON, W. C. To get more winter eggs. Amer. Poultry J. 76(11): 7, 24-25. Nov. 1945. 47.8 Am32

Also in Rural New-Yorker 104: 565, 583. Dec. 15, 1945 (6 R88) with title Wintering the laying flock.

7775 TOMEY, A. F. Won't they lay? Poultry Farmer [London] 113(2946): 9. Dec. 7, 1945. 47.8 F312

7776 TREADWELL, V. C. Large flock control. Poultry Farmer [London] 113(2940): 6. Oct. 26, 1945. 47.8 F312

7777 TURNBULL, D. Profits start with chicks. U. S. Egg & Poultry Mag. 51: 445-446. Oct. 1945. 286.85 Eg3

Discussion on hatcheries.

7778 TURNILL, L. Ex-service mechanic wants to start. Poultry Farmer [London] 113(2946): 4. Dec. 7, 1945. 47.8 F312

7779 TURNILL, L. What does a guarantee mean? Poultry Farmer [London] 113(2941): 3. Nov. 2, 1945. 47.8 F312

Purchase of poultry and eggs for hatching.

7780 VANDERVORT, J. Early birds catch extra dollars. Country Gent. 115(12): 23, 54-55. Dec. 1945. 6 C833

All pullet flocks and egg production.

7781 WARE, H. G. Cull hens don't fit in post-war poultry flock. Farmer-Stockman 58: 45. Nov. 1945. 6 Ok45

7782 WATERMAN, R. If chicken riches beckon. Family Herald and Weekly Star 76(49): 5. Dec. 5, 1945. 7 F21

Beginning a chicken farm.

7783 WILLIAMS, G. T. In the rough. Poultry Farmer [London] 113(2941): 7. Nov. 2, 1945. 47.8 F312

Judging poultry in molt.

7784 WILLIAMS, G. T. Shows are educative. Poultry World 77: 243. Nov. 16, 1945. 47.8 P8682

7785 WORTHINGTON, J. Even poultry-keepers are human!...one reason for the common-sense plan for a poultry run on the general farm. Farmers Weekly [London] 23(21): 37. Nov. 23, 1945. 10 F2226

7786 WORTHINGTON, J. Frost bite. Poultry Farmer [London] 113(2942): 6. Nov. 9, 1945. 47.8 F312

Winter care and breeding for small combs and wattles.

## RABBITS

### Breeds and Breeding

7787 BLAKE, R. New Zealand Reds; a new breed of rabbit, which in the opinion of the writer awaits profitable development. Poultry World 77: 259. Nov. 23, 1945. 47.8 P8682

7788 BLAKE, R. Popularity of the Beveren. Poultry World 77: 231. Nov. 9, 1945. 47.8 P8682

7789 CARLEY, M. F. Our New Zealand standard. Small Stock Mag. 29(12): 62. Dec. 1945. 48.8 P442

7790 HERTZIG, H. B. Chinchilla weights. Small Stock Mag. 29(12): 22. Dec. 1945. 48.8 P442

7791 KISKEY, F. The genetical background of rabbit breeding. V. The test-cross and how it works. Small Stock Mag. 29(12): 42-46. Dec. 1945. 48.8 P442

7792 RAINEY, F. M. Champagne and Creme D'Argents for beginners. Small Stock Mag. 29(12): 38. Dec. 1945. 48.8 P442

7793 SHIRREEFF, W. H. Helpful suggestions for Angora breeders. Small Stock Mag. 29(12): 34-35. Dec. 1945. 48.8 P442

7794 WEST, J. R. "Whitegolds" on the ground. Small Stock Mag. 29(12): 18-19. Dec. 1945. 48.8 P442

Angora rabbits.

### Feeds and Feeding

7795 PATWORTH, D. Feeding rabbits is easy in autumn. Poultry [London] 97: 281. Oct. 30, 1945. 47.8 P869

7796 PATWORTH, D. Potatoes as food for rabbits. Poultry [London] 97: 361. Dec. 4, 1945. 47.8 P869

7797 WILSON, W. K. Twitch [Agropyron repens] rhizomes as a feedingstuff in rabbit maintenance rations. Herper Adams Util. Poultry J. (n. s.) 30: 54-55. July 1945. 47.8 P8612

### Veterinary Medicine

7798 KONNOV, M. G. Kartina vosstanovleniya krovi i izmeneniya okislitel'no-vosstanovitel'nykh profassov posle krovopuskaniya [Picture of blood restoration and changes in the oxidative-restorative processes after bleeding]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Dok., No. 1, p. 114-115. 1945. 20 M557

In rabbits.

7799 KYAW, M. H. Note on a bacterial cause of sterility in the rabbit. Vet. Rec. 57: 502-503. Nov. 10, 1945. 41.8 V641

Discussion, p. 503.

7800 LIKERMAN, J. E. Práctica de la reproducción de los conejos. Mundo Avic. 8(92): 28. Oct. 1945. 47.8 M92

### Miscellaneous

7801 ABBY, C. Look before you leap. Small Stock Mag. 29(12): 20-21. Dec. 1945. 48.8 P442

Concerning the transfer of work on rabbits from the U. S. Fish and Wildlife Service to the U. S. Dept. of Agriculture.

7802 BLAKE, R. Early litter plans. Poultry World 77: 270. Nov. 30, 1945. 47.8 P8682

Care of rabbits.

7803 BLAKE, R. Successful pelt raising. Poultry World 77: 246. Nov. 16, 1945. 47.8 P8682

Description of a rabbit farm.

7804 DUSHANEK, H. L. De-fogging the rabbit industry, atmosphere. Small Stock Mag. 29(12): 17. 24. Dec. 1945. 48.8 P442

7805 PARRISH, W. E. Part-time rabbit farming. 1-2. Poultry Farmer [London] 113(2946): 11; (2947): 11. Dec. 7-14, 1945. 47.8 F312

1. Introduction; 2. How many hutches?

7806 PATWORTH, D. Rabbit hints for the demobbed [demobilized]--2. Poultry [London] 97: 329. Nov. 20, 1945. 47.8 P869

7807 SHAUB, J. D. Fancy vs. commercial rabbits. Small Stock Mag. 29(12): 30-31. Dec. 1945. 48.8 P442

7808 VICKREY, K. C. A few rabbit facts not generally known. Small Stock Mag. 29(12): 26-27. Dec. 1945. 48.8 P442

Care.

## SHEEP AND GOATS

### Breeds and Breeding

7809 BARRETTO, J. F., and MIES FILHO, A. Inseminação artificial em ovinos. B. de Inseminação Artif. 1(1): 5-72. July/Sept. 1944. Ref. 41.8 B733

7810 DE KLERK, J. C. Are Merino sheep deteriorating? Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 167, 2 p. Pretoria, 1945. 24 So82Fa

7811 DOBIGNIES, J. Rambouillet; les Mérinos et les écoles d'élevage. Rev. Ovine, No. 1, p. 6-9. Sept. 15, 1945. 45.8 R32

7812 EASTOE, R. D. Aim at standard type; importance of early mating; aspects of good management. Country Life [Sydney] 57(13, Fat Lamb Sup.): 17. Sept. 28, 1945. 286.85 Sy2

7813 ECKER, F. Index your sire. Amer. Dairy Goat News 7(6): 4. Dec. 1945. 40.18 Am34

7814 FLETRE, N. Dala-sauen. Norsk Landbruk 11: 301-303. Oct. 26, 1945. 11 N8122

Description of the Dala sheep, a Norwegian breed.

7815 HULTZ, F. S. Why cross breeds? Sheep and Goat Raiser 26(3): 64-65, 67. Dec. 1945. 45.8 Sh3

Sheep.

7816 LAPLAUD, H. L'insemination artificielle chez les ovins. Rev. Ovine, No. 1, p. 13-14. Sept. 15, 1945. 45.8 R32

Also in Inform. Maroc. (n. s.) 14(291): 1-2. Dec. 1, 1945. 281.8 In3

7817 MAY, E. S. "Fertility" trials with flock ewes. Westralian Farmers' News 7(316): 4. Nov. 8, 1945. 280.28 W523

7818 MUIRHEAD, D. B. Fat lamb production; market requirements and British breeds of sheep in relation to the Murray Mallee. So. Austral. Dept. Agr. J. 49: 58-60. Sept. 1945. 23 So84

7819 PAIM, H. D. Contrôle do peso do velo em ovelhas da raça Merino. Rio Grande do Sul. Dir. da Prod. Anim. B. 1(1): 25-32. Jan./June 1945. 49.9 R47



7820 SUKHATME, P. V. Statistical study of a breeding experiment with goats. Indian J. Vet. Sci. and Anim. Husband. 14: 167-176. Sept. 1944. 44.8 In22

7821 THOMAS, G. Lamb raising with four main types. Whence the ideal breed? Experiments with crossbred rams. Country Life [Sydney] 57(13, Fat Lamb Sup.): 4. Sept. 28, 1945. 286.85 Sy2

7822 WHITE, H. F. Breeding fat lambs in New England; lifting the veil on production. Country Life [Sydney] 27(13, Fat Lamb Sup.): 2. Sept. 28, 1945. 286.85 Sy2

7823 WILSON, B. E. Improved type of Romney. Country Life [Sydney] 57(13, Fat Lamb Sup.): 10. Sept. 28, 1945. 286.85 Sy2  
Includes objects of the Romney Marsh Studbreeders' Association of New South Wales.

#### Feeds and Feeding

7824 BRANCH, L. E. T. Calcium and phosphorus in milk. Dairy Goat J. 23(10): 6-7. Dec. 1945. 40.18 M592

In relation to feeding.

7825 COX, R. F. Texas lambs in midwestern feed lots. Sheepman 16: 250, 304. Dec. 1945. 45.8 Sh32

Chiefly on feeding in pastures.

7826 LACEY, J. J. Don't feed too early. Wool News 11(5): 4. Dec. 1945. 280.28 W882

7827 LACEY, J. J. Sheep are efficiency plus for grassland farming. Sheepman 16: 251, 262, i. e. 254. Dec. 1945. 45.8 Sh32

7828 MILLER, R. F. Beans vs. barley for fattening lambs. West. Livestock J. 24(1): 105. Nov. 15, 1945. 6 F2278

7829 POURCEL, J. Troupeaux de Provence aux alpages. Rev. Ovine, No. 1, p. 15-16. Sept. 15, 1945. 45.8 R32

7830 RECORD, P. R. Successful feeding of sheep. Flour & Feed 46(7): 30-31. Dec. 1945. 298.8 F66

7831 STEFANSSON, O. Um annmarka fjörubeitar. Freyr 40: 115-118. Aug./Sept. 1945. 11 F89  
Effect of a seaweed diet on the health of sheep.

7832 WILLMAN, J. P., MORRISON, F. B., and KLOSTERMAN, E. W. Some conclusions drawn from lamb-feeding experiments. Sheep and Goat Raiser 26(3): 58. Dec. 1945. 45.8 Sh3

7833 YANOVSKY, J. Additional notes on the grazing of sheep in the fields. (In Hebrew) Has-sadeh 26: 44-45. Oct. 1945. 26 H27

#### Veterinary Medicine

7834 BROVAR, V. I. A. Rost skeleta pri ugnetenom razvitii. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Dok., No. 1, p. 113. 1945. 20 M857

Experiment by N. P. Chervinskiĭ on the effect of prolonged starvation on the development of a sheep.

7835 FAUKS, C. H. Reducing losses in sheep by disease and parasite control. Sheep and Goat Raiser 26(3): 32-33, 60, 62-63. Dec. 1945. 45.8 Sh3

7836 GEDDES, H. J. How the fat lamb grows... factors of influence before and after birth. Country Life [Sydney] 57(13, Fat Lamb Sup.): 15. Sept. 28, 1945. 286.85 Sy2

7837 GORRIE, C. J. R. Efficient summer treatment can eradicate foot-rot in sheep. Stock and Land 35(7): 3. Feb. 14, 1945. 49 St63

7838 GORRIE, C. J. R. Undernutrition plus worms will devastate many flocks. Stock and Land 35(19): 3. May 9, 1945. 49 St63

7839 GORRIE, C. J. R. Use of vaccine and serum against entero-toxaemia [in lambs]. Stock and Land 35(10): 3. Mar. 7, 1945. 49 St63

7840 GUERREIRO, M. G. Gangrene gasosa, em ovino, por Clostridium welchii. Rio Grande do Sul. Dir. da Prod. Anim. B. 1(1): 56-58. Jan./June 1945. 49.9 R47

7841 LÁRUSSON, S. Borgar sig að ala snýkjudyf á búfénu. Freyr 40: 134-135. Aug./Sept. 1945. 11 F89

Control of parasites in sheep.

7842 PÁLSSON, H. Mæðiveikni í Reykholtedal og Miðfirði [The lung disease of sheep in Reykholtedal and Miðfirði]. Freyr 40: 137-150. Oct. 1945. 11 F89

7843 PÁLSSON, H. Nýtt ormalyf. Freyr 40: 118. Aug./Sept. 1945. 11 F89

Use of phenothiazine for sheep.

7844 ROSENBERGER, A. C. Some sheep disease problems. Part IV. Coccidiosis. Allied Vet. 16(6): 15. Nov./Dec. 1945. 41.8 AL5

7845 ROWLANDS, W. T. A few observations on the control of disease in sheep. Vet. Rec. 57: 489-491. Nov. 3, 1945. 41.8 V641  
Discussion, p. 491.

7846 WARD, J. W. Phenothiazine best given to sheep in bolus form. Miss. Farm Res. [Miss. Sta.] 8(10): 2. Oct. 1945. 100 M69M1

7847 WHITE, R. G., and ROWLANDS, W. T. An hereditary defect of newly-born lambs. Vet. Rec. 57: 491-492. Nov. 3, 1945. 41.8 V641

#### Miscellaneous

7848 BROWN, M. Smallholders' goats. Poultry Farmer [London] 113(2946): 4. (To be cont.) Dec. 7, 1945. 47.8 F312

7849 EATON, C. B. Honestly, now. Dairy Goat J. 23(10): 4-5. Dec. 1945. 40.18 M592  
Facts concerning goats and goats milk.

7850 FRASER, A. Ewe hogs make best mothers. Farmer & Stock-Breeder 59: 1723. Oct. 30, 1945. 10 F228

7851 HOLT, R. Pioneering sheepmen. Sheep and Goat Raiser 26(3): 16, 18, 20-21, 22-23. Dec. 1945. 45.8 Sh3

7852 LARBAULTRIER, A. Goat lore from France. Amer. Dairy Goat News 7(6): 3. Dec. 1945. 40.18 Am34

7853 LOPEZ, A. A exploração ovina e o aperfeiçoamento da produção lanigera. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. [B], Sér. C. No. 113. 11 p. 1944. 9.2 R473

7854 MENDEZ PLASENCIA, V. Datos sobre la cabra desde un punto de vista economico social. Liborio 5(10): 11, 14. Oct. 1945. 43.8 V41  
In Cuba.

7855 MILLER, R. C. Care of ewes and rams. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 60(9): 50-51. Sept. 1945. 6 F945K

7856 MILLER, R. C. Champion and reserve champion from same flock. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 60(12): 16, 84. Dec. 1945. 6 F945K  
Description of a sheep ranch.

7857 PATCH, A. J. Four goats make a flockmaster. Country Gent. 115(12): 30. Dec. 1945. 6 C833  
Description of a sheep farm.

7858 PATERSON, A. The wild dog menace to sheep in Australia. Past. Rev. 55: 767. Oct. 16, 1945. 23 Au75

7859 PERAZA, V. M. Apuntes sobre la crianza del carnero. II. Fomento [monthly] 2(23): 7-8. 19. Sept. 1945. 8 F734  
Care.

7860 SÁENZ SOTOLONGO, B. Evolución de la capricultura en Cuba. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(130): 11-13. Oct./Dec. 1945. 8 Sa53  
Name at end of article appears as B. S. Sotolongo.

- 7861 SHEEP-RAISING project education cooperative. B. Indigenista 5: 206-213. Sept. 1945. 446.9 In8B In Bolivia.  
Parallel texts in English and Spanish.
- 7862 SPRINGS, W. L. One man goat dairy. Amer. Dairy Goat News 7(6): 5, 8. Dec. 1945. 40.18 Am34
- 7863 VIEIRA, G. V. N. A importância da seleção no melhoramento dos ovinos. Rio Grande do Sul. Dir. de Prod. Anim. B. 1(1): 59-61. Jan./June 1945. 49.9 R47
- 7864 WILSON, W. Wintering of hill hogs. Gt. Brit. Min. Agr. Agriculture 52: 350-351. Nov. 1945. 10 G79J

## SWINE

Breeds and Breeding

- 7865 CAMERON, C. D. T., and others. Growth of bacon type hogs. Sci. Agr. 25: 854-859. Aug. 1945. 7 Sci2
- G. C. Ashton, S. A. Hilton, and E. W. Crampton, joint authors.
- 7866 GUICHARD, A. El cerdo, buena máquina transformadora. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 11-12. July/Sept. 1945. 8 Ag88Re  
Mainly on breeding.
- 7867 HETZER, H. O. Inheritance of coat color in swine. IV. Analysis of hybrids of Landrace and Large Black. J. Hered. 36: 309-312. Oct. 1945. 442.8 Am3
- 7868 SPECIALISED farming. III. Pedigree Large White pigs. North. Ireland Min. Agr. Monthly B. 20: 164-168. Oct. 1945. 256.13 Ag82M

Feeds and Feeding

- 7869 ATHANASSOFF, N. A ração do capado de engorda. Rev. Rural Bras. 25(301): 44-46. Sept. 1945. 9.2 B733  
Chiefly on feeding.
- 7870 BURCHARD, D. D. Soft corn is found economical for feeders. Duroc News 19(12): 24-26. Dec. 1945. 46.8 N212
- 7871 DAVISON, H. Pigs' mamma needs attention, too. Successful Farming 43(12): 33, 122-123. Dec. 1945. 6 Sul2  
Chiefly on feeding the brood sow.
- 7872 FERRIN, E. F. Planning formulas for swine rations. Feedstuffs 17(47): 38-39. Nov. 24, 1945. 286.81 F322
- 7873 FRENS, A. M. Voedercartoon voor varkens (Futterpappe für schweine). Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek. No. 50 (8) C, p. 89-106. 1945. 105.2 V61V  
Dutch, German, and English summaries.
- 7874 HAMILTON, T. S. Proteins and minerals in swine feeding. Flour & Feed 46(7): 18-19. Dec. 1945. 298.8 F66
- 7875 HARING. Fragen der schweinefütterung 1944. Landesbauernschaft Moselland. Wchnbl., No. 10, p. 114-115. Mar. 4, 1944. 18 L2328
- 7876 HERNÁNDEZ, E. El cerdo de ceba. Rev. del Café 1(6): 17, 20. Nov. 1945. 8 R3295  
Article prepared for 4-H Clubs.
- 7877 HOEKZEMA, J. P. Time now to do something about weak litters; feed pregnant sows properly balanced rations and save the pigs. Farmers Guide 101 (24): 17. Dec. 15, 1945. 6 In2
- 7878 KOK, E. A. O leite desnatado na alimentação de porcos. Rev. Rural Bras. 25(300): 38-39. Aug. 1945. 9.2 B733
- 7879 KUTISH, F. Pasture cuts pork costs. Capper's Farmer 56(12): 26. Dec. 1945. 6 M693
- 7880 NORDELDT, S. Svinens vinterutfödring [Winter feeding of swine]. Lantmannen 29: 890-891. Oct. 6, 1945. 11 L234

- 7881 PHILLIPS, H. "Waste" stew for pigs and poultry. Smallholder 74(1862): 11. Nov. 23, 1945. 10 Sm1

Veterinary Medicine

- 7882 GOMEZ M., G. La brucellosis en los cerdos Simiente 15: 73-77. Apr./June 1945. 9.3 S14
- 7883 GREEN, W. W., and WINTERS, L. M. Urinary 17-ketosteroid excretion by boars. J. Agr. Res. 71: 507-517. Dec. 1, 1945. Ref. 1 Ag84J
- 7884 ILLINOIS VETERINARY MEDICAL ASSOCIATION. SPECIAL COMMITTEE ON SWINE ERYSIPELAS. Swine erysipelas [report]. Vet. Med. 40: 371-372. Nov. 1945. 41.8 M69  
C. R. Collins, chairman.
- 7885 MCLEAN, I. W., JR., and others. Antibody response of swine to repeated vaccination with formalin-inactivated, purified swine influenza virus. Soc. Expt. Biol. and Med. Proc. 60(1): 152-159. Oct. 1945. 442.9 Sol
- D. Beard, A. R. Taylor, D. G. Sharp, and J. W. Beard, joint authors.
- 7886 MOREJON PUIG, L. F. La lombriz del riñón del cerdo (Stephanurus dentatus). Fomento [monthly] 2(23): 24, 26. (To be cont.) Sept. 1945. 8 F734
- 7887 NOVICKY, R. Swine coccidiosis in Venezuela. Amer. Vet. Med. Assoc. J. 107: 400-403. Dec. 1945. 41.8 Am3
- 7888 PHILLIPS, P. H. Research on relationship of dual abnormalities in the sow and litter. Iowa Vet. 16(6): 5-9. Nov./Dec. 1945. 41.8 Io9  
Feeding as related to diseases.
- 7889 RUBINO, M. C., FERNÁNDEZ, C. M., and BARROS L. A. Consecuencias que resultan del uso inadecuado de las tortas de lino y girasol en la alimentación de los cerdos. Uruguay. Min. de Ganad. y Agr. B. Mens. 28: 210-219. July/Sept. 1945. 41.9 Ur8
- 7890 SAMPIETRO, D. C. Castración de cerdas. Campo [Buenos Aires] 29(346): 10, 43. Aug. 1945. 9 C15
- 7891 THIERY, J. P., and SALOMON, L. Contribution à l'étude de la peste porcine. Rec. de Méd. Vét. 121: 202-208. July 1945. 41.9 R24
- 7892 TORRES, A. A. Piobacilose. Rev. Ceres 6: 92-94. Nov./Dec. 1944. 9.2 C332  
In swine and cattle.

Miscellaneous

- 7893 GLASSCOCK, R. S. Lose no pigs this season. Fla. Grower 53(12): 12. Dec. 1945. 80 F6622
- 7894 GONZALEZ FLEITES, F. La cria del cerdo. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(129): 22-23, 37. July/Sept. 1945. 8 Sa53
- 7895 KERN. Wichtige fragen der schweinehaltung! Landesbauernschaft Moselland. Wchnbl., No. 12, p. 139. Mar. 18, 1944. 18 L2328
- 7896 LINDAHL, T. Utställningshull - brukskull. II. Lantmannen 29: 898-899. Oct. 6, 1945. 11 L234  
Weight of swine in connection with exhibitions.
- 7897 MADISON, L. C. Let's cull the old sows. Poland China World 32(11): 62. Dec. 1945. 46.8 Sw62
- 7898 MEYER, R. E. The history of concentrated production tested pork at M. B. F. Chester White J. 35(11): 7-8. Nov. 1945. 46.8 W582  
Description of a farm in Illinois.
- 7899 MULLEN, K. Butchering time is near ... pig, salt and smoke. Sheep and Goat Raiser 26(3): 28, 30-31, 34. Dec. 1945. 45.8 Sh3
- 7900 RATHING. Wie verbessere ich meine schweinezucht und -haltung mit einfachen mitteln? Landesbauernschaft Moselland. Wchnbl., No. 29, p. 311. July 15, 1944. 18 L2328



- 7901 SINCLAIR, R. D. We need more profitable hogs [in Canada]. (Sum.) Country Guide 64(12): 8, 34-35. Dec. 1945. 7 G76
- 7902 VOLLRATH, H. Vollrath says hog-production records may turn farm failure into farm success. Hawaii U. Agr. Ext. Let. 26(2): 1-3. Oct. 1945. 275.29 H312

## ENTOMOLOGY

## GENERAL

- 7903 BECK, P. Les insectes pollinisateurs. Abeille et l'Érable 14: 129-130. Nov. 1945. 424.8 Abj2
- 7904 BURDICK, E. D. "How long do entomologists live?" reconsidered. Ent. News 56: 246-247. Nov. 1945. 421 En88
- 7905 CLAASSEN, E. S. An annotated check-list of the more important entomological periodicals. Ent. Soc. Amer. Ann. 38: 403-411. Sept. 1945. 420 En82
- 7906 EDDY, B. Let's take a look at insects in winter. Anim. Kingdom 48: 176-181. Nov./Dec. 1945. 410.9 N483B
- 7907 GATES, D. B. "Bug's." Outdoor Nebr. 22(4): 14-16. Winter 1945. 410 Ou86
- Collecting insects.
- 7908 GRANT, C. More on the origin of flight. Ent. News 56: 243-245. Nov. 1945. 421 En88
- 7909 JOUBERT, C. J. Some of man's best friends are of the insect world. Farmer [Pietermaritzburg] 34(43): 8. Oct. 26, 1945. 24 F227
- 7910 LLOYD, R. W. Inhabitants of the jackdaws' nests. Ent. Monthly Mag. 81: 249. Nov. 1945. 421 En86
- 7911 MATTHEE, J. J. Biochemical differences between the solitary and gregarious phases of locusts and noctuids [Phalaenidae]. B. Ent. Res. 36: 343-371. Nov. 1945. Ref. 421 B87
- 7912 PELTIER, M. Zoocécidies nouvelles ou peu connues de l'Afrique. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 16: 525-529. Nov. 1944. 410.9 P213
- 7913 SCHECHTER, M. S., and others. Colorimetric determination of DDT; color test for related compounds. Indus. and Engin. Chem. Analyt. Ed. 17: 704-709. Nov. 1945. Ref. 381 J825A
- S. B. Soloway, R. A. Hayes, and H. L. Haller, joint authors.
- 7914 WEISS, H. B. Some early entomological ideas and practices in America. N. Y. Ent. Soc. J. 53: 301-308. Dec. 1945. 420 N48J
- 7915 WELLINGTON, W. G. A laboratory method for determining the minimum active temperatures of insects. Canad. Ent. 77: 135-136. July 1945. 421 Cl6
- 7916 WHITING, P. W. The evolution of male haploidy. Q. Rev. Biol. 20: 231-260. Sept. 1945. 442.8 Q2
- Parthenogenetic development of haploid males in invertebrates, including insects.
- 7917 WIGGLESWORTH, V. B. DDT and the balance of nature. Atlantic Monthly 176(6): 107-113. Dec. 1945. 110 At6
- 7918 ACREE, F., JR., JACOBSON, M., and HALLER, H. L. The structure of affinin, the insecticidal amide from *Erigeron affinis* D. C. J. Organic Chem. 10: 449-451. Sept. 1945. 381 J827
- 7919 BOYCE, A. M. Caution regarding use of DDT on citrus is urged. Citrus Leaves 25(11): 10. Nov. 1945. 80 C492
- 7920 BRAZELTON, J. S. We will have new pests. Kans. Farmer 82(24): 8. Dec. 15, 1945. 6 K13
- 7921 BUSHLAND, R. C., and others. Antioxidants for pyrethrum powders. Soap and Sanit. Chem. 21(11): 119, 121. Nov. 1945. 307.8 Sol2
- M. S. Schechter, H. A. Jones, and E. F. Knipling, joint authors.
- For effective control of *Pediculus humanus corporis*.
- 7922 CANADA. DEPT. OF AGRICULTURE. SCIENCE SERVICE. DIVISION OF ENTOMOLOGY. Annual report of the forest insect survey, 1944, 70 p. Ottawa, 1945. 423.92 Cl62
- 7923 CANIZO, J. DEL. Las plagas en las sandías y los melones. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 4(48): 43-46. Aug. 1945. 8 R3291
- Insects and diseases.
- 7924 CARRICK, L. L. The use of DDT in paint. Amer. Paint J. 30(5-A): 12, 14-15. Oct. 31, 1945. 306.8 Amj2
- Same text in Paint, Oil, and Chem. Rev. 108(21/22): 104-105. Nov. 1, 1945. 306.8 P16
- 7925 CARTER, R. H., and others. Rotenone analysis; the rotenone content of samples of *Derris*, *Lonicarpus* and *Tephrosia* from Central and South America, the Belgian Congo, and Tahiti. Soap and Sanit. Chem. 21(11): 127. Nov. 1945. 307.8 Sol2
- S. B. Soloway, H. D. Mann, and N. Green, joint authors.
- 7926 COTTON, R. T., and FRANKENFELD, J. C. Dust treatment for protecting stored seed. Seed World 58(9): 22, 24. Nov. 2, 1945. 61.8 Se52
- Refers mainly to magnesium oxide and DDT.
- 7927 CREIGHTON, J. T. Present status of DDT as an insecticide. Citrus Indus. 26(12): 5-7, 22. Dec. 1945. 80 C49
- 7928 CRISTOL, S. J., and HALLER, H. L. The chemistry of DDT - a review. Chem. and Engin. News, News Ed. 23: 2070-2075. Nov. 25, 1945. Ref. 381 J825N
- 7929 DANIEL, H. Algunos aspectos de la lucha biológica. U. de Antioquia 70: 339-352. Apr./May 1945. 110 Un3
- 7930 DAWSON, J. C. Methyl bromide for infestation control [in flour mills and warehouses]. Miller 71: 774-775. Nov. 5, 1945. 298.8 M61
- 7931 DESCHAPELLES, J. B. Insectos que dañan los granos durante su periodo de almacenaje. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 37. July/Sept. 1945. 8 Ag88Re
- 7932 DODDS, R. B. Facing the insect fragment problem. Assoc. Oper. Millers B., Nov. 1945, p. 1470-1472. 298.9 As7
- 7933 LUCAS, D. The truth about DDT. House Beautiful 87(12): 122-124. Dec. 1945. 296.8 H81
- For control of household insects.
- 7934 EADS, M. Urges caution in use of DDT. Hoosier Farmer 30(11): 17, 31. Nov. 1945. 280.82 H76
- 7935 EBELING, W. El problema de los insectos que afectan a los cítricos en el Perú. Vida Agr. 22: 691-707. Aug. 1945. 9.8 V66
- 7936 ESCOBAR, R. El famoso insecticida D.D.T. es experimentado en la Escuela Particular de Agricultura de Cd. Juárez. Agr. Mex. 61(9): 1-3. Sept. 1945. 8 Ag8
- 7937 FANKUCHEN, I., SCHNEIDER, M., and SINGER, J. Some X-ray crystallographic data on DDT. Science 103(2662): 25. Jan. 4, 1946. 470 Sci2
- 7938 FEINIER, J. Controlling insect pests of nuts, chocolate, dried fruit confections. Internatl. Confectioner 55(11): 38, 40. Nov. 1945. 389.8 In214

## GENERAL - ECONOMIC

- 7939 FREEBORN, S. B. Use of DDT against household insects and insects of medical importance. *Calif. Health* 3: 17-19. Sept. 15/30, 1945. 449.8 C12
- 7940 FREEBORN, S. B. The use of DDT in the home. *Nulaid News* 23(7): 24. Oct. 1945. 47.8 N917
- 7941 FREIRE, J. J. D. D. T. Rio Grande do Sul. *Dir. da Prod. Anim. B.* 1(1): 76-77. Jan./June 1945. 49.9 R47
- 7942 GERSDORFF, W. A., and MCGOVAN, E. R. Insecticide toxicity studies; experimental results on the comparative toxicity of benzene hexachloride p.e. 1,2,3,4,5,6, Hexachlorocyclohexane, DDT and pyrethrum. *Soap and Sanit. Chem.* 21(11): 117, 121. Nov. 1945. 307.8 Sol2
- 7943 GREAT BRITAIN. IMPERIAL INSTITUTE. CONSULTATIVE COMMITTEE ON INSECTICIDE MATERIALS OF VEGETABLE ORIGIN. Quarterly bibliography of insecticide materials of vegetable origin, No. 31 (April to June 1945), compiled by R. M. Johnson. *Gt. Brit. Imp. Inst. B.* 43: 219-224. July/Sept. 1945. 26 G79
- 7944 HARVEY, N. P. A new insecticide [1,2,3,4,5,6 Hexachlorocyclohexane]. *Gard. Illus.* 64: 694-695. Nov. 1945. 80 G169
- 7945 HAYHURST, H. The action on certain insects of fabrics impregnated with D.D.T. *Soc. Chem. Indus. J. Trans. and Commun.* 64: 296. Oct. 1945. 382 M31
- Effect of treated flour and grain sacks on pests of stored products.
- 7946 HESS, E. Winter washing of fruit trees. *Home & Country* [London] 27: 171. Nov. 1945. 281.28 H752
- 7947 HOCKEY, J. F., PICKETT, A. D., and NEARY, M. E. Spray calendars for apples and pears. *Nova Scotia Fruit Growers' Assoc. Ann. Rpt.* (1944) 81: 126-129. 82 N85
- 7948 INGRAM, J. W. Control of sugarcane insects in Louisiana, and the use of DDT on the sugarcane plantation. *Sugar B.* 24: 36. Dec. 1, 1945. 65.9 Am32
- 7949 JOHNSON, G. R. Power dusting of feeder lambs. *Sheep Breeder* 65(11): 6. Nov. 1945. 45.8 Am31
- For control of lice and *Melophagus ovinus*.
- 7950 JONES, H. A., FLUNO, H. J., and MCCOLLOUGH, G. T. Solvents for DDT. *Soap and Sanit. Chem.* 21(11): 110-113, 115, 155. Nov. 1945. 307.8 Sol2
- 7951 JONES, S. C. Recent experimental work on DDT in Oregon. *Oreg. Dept. Agr. Agr. B.* 148, p. 12-13. Dec. 1945. 2 Or3
- 7952 KILGORE, L. B. New German insecticides. *Soap and Sanit. Chem.* 21(12): 138-139, 169, 171. (To be cont.) Dec. 1945. 307.8 Sol2
- Résumé of new synthetic insecticides and repellants compiled from reports of Office of Publication Board, U. S. Dept. of Commerce.
- 7953 KNIGHT, P. Insect problems of Peru's Sierra. *Agr. in the Americas* 5: 207-209. Nov. 1945. 1 F752A
- 7954 LAMAS C., J. M. Observaciones sobre insectos del algodón en Chira, Piura, Pativilca, Supe y Huaura. Lima, Peru. *Estac. Expt. Agr. de La Molina. Informe*, No. 59, 75 p. Lima, 1945. 102.5 L622in
- 7955 LIST, G. M. Experimental results with DDT. *Colo. Farm B. [Colo. Sta.]* 7(5): 4-5, 14-15. Sept./Oct. 1945. 100 C718
- 7956 M. Plantas insecticidas americanas. *Agricultura* [Madrid] 14: 417-418. Aug. 1945. 15 Ag84
- 7957 MCDONNELL, C. C. Adulteration and misbranding. *Soap and Sanit. Chem.* 21(11): 123, 125, 127. Nov. 1945. 307.8 Sol2
- Includes errors in insecticide labeling.
- 7958 MARTIN, H. Chemical studies on insecticides. *Roy. Inst. Chem. Gt. Brit. and Ireland. J. and Proc.*, pt. 5, p. 172-173. Oct. 1945. 382 In7
- 7959 MARTIN, H., and WAIN, R. L. D. D. T.--A survey of the present position. *Worcestershire Agr. Chron.* 12: 231, 233, 235, 237, 239. Nov. 1944. 10 W892
- 7960 MORRIS, D. J. Matagorda cows get DDT spraying. *Tex. Livestock J.* 4(11): 32-33. (Cont.) Nov. 1945. 49 T29
- 7961 MUNRO, H. A. U., and DELISLE, R. Methyl bromide fumigation of plant products in railroad freight cars with special reference to work supervised by the Dominion Department of Agriculture during 1944. *Sci. Agr.* 25: 794-816. Aug. 1945. 7 Sci2
- 7962 NEARY, M. E. The insect outlook for 1945. *Nova Scotia Fruit Growers' Assoc. Ann. Rpt.* (1944) 81: 24-25, 27-29. 82 N85
- 7963 NICHOLS, H. E. Spraying and dusting in the small home garden. *Iowa State Hort. Soc. Trans.* (1944) 79: 236-238. 81 Io9
- 7964 OLALQUIAGA FAURÉ, G. Un insecto [Pineus bórneri] de los vinos en la zona de Concepción y notas sobre su control. *Unión Agr. del Sur* 3(18/19): 14-16. July/Sept. 1945. 9.3 Un3
- Biological control methods against pests of the Monterey vine.
- 7965 ORTIZ GARCENDIA, J. El pepino dulce [*Solanum variegatum*] y algunos enemigos observados en la zona norte. *Simiente* 15: 88-89. Apr./June 1945. 9.3 Si4
- 7966 OTOYA A., F. J. Los insectos que atacan los productos almacenados y métodos para combatirlos. *Agr. Trop.* 1(8): 45-47; (9): 57-59. Sept. 15, Oct. 15, 1945. 26 Ag3
- 7967 PALM, C. E. New insect-control methods studied; concentrated sprays and insecticide application from planes show promise. *Farm Res.* [N. Y. State Sta.] 11(4): 16. Oct. 1, 1945. 100 N484
- 7968 PANG, K. B., and others. Studies on typhus fever epidemic occurring in a poor house. II. Etiological and epidemiological studies. III. Control measures, with special reference to the use of typhus vaccine. *Chinese Med. J.* 62: 334-350. Oct./Dec. 1944. Ref. 448.8 C44
- S. H. Zia, S. M. Chen, and Y. S. Feng, joint authors.
- Rickettsiae of murine type isolated from *Xenopsylla cheopis*, *Xenopsylla anisus*, *Pediculus humanus corporis*, and from rats.
- 7969 PARISH, H. E. The use of DDT by civilians. *Sheep and Goat Raiser* 26(2): 16-17, 26. Nov. 1945. 45.8 Sh3
- Against livestock parasites and household insects.
- 7970 PATTERSON, J. D. Let's keep the record straight on DDT. *Oreg. Dept. Agr. Agr. B.* 148, p. 13-14. Dec. 1945. 2 Or3
- 7971 PAYNE, M. G. Facts about DDT. *Colo. Farm B. [Colo. Sta.]* 7(5): 5. Sept./Oct. 1945. 100 C718
- 7972 PICKETT, A. D. Evaluating spray progress. *Nova Scotia Fruit Growers' Assoc. Ann. Rpt.* (1944) 81: 19, 21-23. 82 N85
- 7973 QUACKENBUSH, A. Man-made "bug" slays bugs. *Esoo Farm News* 4(6): 18-19. Nov. 1945. 6 Es72
- Use of helicopter on farms to spray crops with DDT.
- 7974 RAHMAN, K. A. Epidemic outbreaks of insect pests. *Indian Farming* 6: 64-66. Feb. 1945. 22 In283
- 7975 RICHARDS, A. G., JR., and CUTKOMP, L. K. Neuropathology in insects. *N. Y. Ent. Soc. J.* 53: 313-349. Dec. 1945. Ref. 420 N48J
- Result of insecticide action.
- 7976 ROGERSON, S. 1,2,3,4,5,6, Hexachlorocyclohexane as an insecticide. *Nature* [London] 156: 424. Oct. 6, 1945. 472 N21
- 7977 SCHWARDT, H. H. Insect control and DDT. *Amer. Milk Rev.* 7: 424. Nov. 1945. 44.8 Am38



- 7978 SEARLS, E. M. What about DDT as a dairy farm and factory insecticide? *Canad. Dairy and Ice Cream J.* 24(11): 48-50. Nov. 1945. 44.8 C162
- 7979 SMITH, R. C., and KELLY, E. G. What we know about DDT; its uses and how to use, brought up-to-date. *Kans. Farmer* 82(21): 10, 17, 19. Nov. 3, 1945. 6 K31
- 7980 SODERBERG, P. M. Insect pests and slatted floors. *Poultry Farmer* [London], 113(2941): 6. Nov. 2, 1945. 47.8 F312
- Control of lice and *Dermanyssus gallinae*.
- 7981 SPAIN. INSTITUTO NACIONAL DE COLONIZACIÓN. Baños para ganado. Spain. Inst. Nac. de Colon. I. N. C. P. (ser. 3), No. 6, 20 p. Madrid, n. d. 280.9 Sp11
- Purposes, construction, and preparation of the baths.
- 7982 SWEETMAN, H. L. The residual toxicity of DDT. Influence of moisture and temperature on the residual kill of DDT. *Soap and Sanit. Chem.* 21 (12): 141, 143, 145, 147, 149, 171. Dec. 1945. Ref. 307.8 Sol2
- 7983 TELFORD, H. S. DDT toxicity. *Soap and Sanit. Chem.* 21 (12): 161, 163, 167, 169. Dec. 1945. 307.8 Sol2
- 7984 TOMALIN, T. E. Winter spraying; a programme for the amateur fruit grower. *Pop. Gard.* 47: 323. Dec. 8, 1945. 80 G1622
- 7985 VARADARAJA IYENGAR, A. V. Storage of foodgrains. *Cur. Sci.* 14: 222-228. Sent. 1945. 475 Sci23
- Treatment of insect-infested grain and methods of preventing attack.
- 7986 VIALE C., E. Ensayo sobre la eficacia del insecticida "Gesarol" [DDT] en el control de los daños en la col por *Pieris* sp. *Agronomía* [Lima] 10(43): 17-31. Sept. 1945. 9.8 Ag83
- 7987 W., C. E. Experience with DDT. *Rural New-Yorker* 104: 567. Dec. 15, 1945. 6 B38
- 7988 W., S. B. Now is the time to fumigate your greenhouse. *Pop. Gard.* 47: 298. Nov. 17, 1945. 80 G1622
- 7989 W., S. B. What D. D. T. will do for the gardener. *Pop. Gard.* 47: 324. Dec. 8, 1945. 80 G1622
- 7990 WALLACE, M. D. Sabadilla, an insecticide to control the squash bug [*Anasa tristis*]. *Amer. Soc. Hort. Sci. Proc.* 46: 284. Aug. 1945. 81 Sol2
- 7991 WEBB, D. VAN V. Insects and plant resistance. *Union Soc. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser.* 163, 2 p. Pretoria, 1945. 24 So82Pa
- 7992 WENYON, C. M. Tropical medicine in war and peace. *Brit. Med. J.* 1945, 2(4430): 774-776. Dec. 1, 1945. 448.8 B77
- Includes insect-borne diseases.
- 7993 WHITNALL, R. Airplane spraying of orchards; latest way to get work done efficiently and with amazing speed. *Better Fruit* 40(5): 7-9. Nov. 1945. 80 B46
- 7994 WILCOCKS, C. Summary of recent abstracts. VIII. Typhus group of fevers. *Trop. Dis. B.* 42: 767-778. Oct. 1945. 448.8 T752
- 7995 WILLIAMS, A. T. Spray materials for 1946. *New England Homestead* 118(22): 11. Nov. 24, 1945. 6 N442
- 7996 WILLIAMS, R. P. My pest control schedule and its results. *Citrus Mag.* 8(4): 14. Dec. 1945. 80 C498
- Pests and fungus diseases.
- 7997 ALPATOV, W. W. The 80th anniversary of the oldest experimental apiary, "Ismailovskaya Paseka," near Moscow. *Bee World* 26: 91. Dec. 1945. 424.8 B399
- 7998 ANDRÉ, M., and BÉHUE, G. A. Observations sur l'acariose des abeilles et sur l'emploi du salicylate de méthyle et du liquide de Frow dans la lutte contre le parasite [*Acarapis woodi*]. *Paris. Mus. Natl. d'Hist. Nat. B.* (ser. 2) 17: 115-120. Feb. 1945. 410.9 P213
- 7999 APICULTURE pastorale. B. Agr. des Hautes-Pyrénées, No. 406, p. 129-131. Dec. 1944. 14 B875
- Regulation and inspection of apiaries.
- 8000 ASSEMBLÉE générale du Syndicat des Apiculteurs des H.-P. B. Agr. des Hautes-Pyrénées, No. 406, p. 123-128. Dec. 1944. 14 B875
- 8001 BAXTER, L. F. Efficient rendering of wax from combs. *Amer. Bee J.* 85: 432, 434. Dec. 1945. 424.8 Am3
- 8002 BEEKEEPING industry capable of considerable development. By Gubeche. *Farmer* [Pietermaritzburg] 34(45): 14. Nov. 9, 1945. 24 F227
- 8003 BEW, H. The organisation of bee-keeping. *Beekeepers' Rec.* 63: 106. Nov. 1945. 424.8 B398
- 8004 BLACKBERRY as a source of honey. By Gubeche. *Farmer* [Pietermaritzburg] 34(40): 13. Oct. 5, 1945. 24 F227
- 8005 BOUCHER, P. Congrès annuel à Montréal de la fédération apicole canadienne. *Terre de Chez Nous* 18(8): 11. Nov. 21, 1945. 7 T27
- 8006 BRETÓN Y NEWHALL, O. S. Vida y costumbre de las abejas; el propoleo. *Pro-Vida* 26(290): 28. Nov. 1945. 475 P942
- 8007 BUZZARD, C. N. Beehive mysteries. *Country Life* [London] 98: 505. Sept. 21, 1945. 80 C83
- Honeybees search for water.
- 8008 CABO DE VILA PARODI, L. Colocación de las alzas; generalidades - época - cuidados. *Mundo Avic.* 8(92): 44-45, 58. Oct. 1945. 47.8 M92
- Top entrance hives.
- 8009 CLARIDGE, F. M. Applying methyl salicylate for acarine disease [*Acarapis woodi*]. *Brit. Bee J.* 73: 319-320. Nov. 29, 1945. 424.8 B77
- 8010 CLARIDGE, F. M. Applying methyl salicylate in treating acarine disease [*Acarapis woodi*]. *Brit. Bee J.* 73: 308. Nov. 15, 1945. 424.8 B77
- Same text in *Beekeeping* 11: 151-153. Dec. 1945. 424.8 B3991
- 8011 CLAUDE, F. M. Une page de l'histoire de l'apiculture. *Abeille et l'Érable* 14: 130-132. (To be cont.) Nov. 1945. 424.8 Ab32
- 8012 COLTHURST, M. L. Bees and white clover. *Brit. Bee J.* 73: 299. Nov. 8, 1945. 424.8 B77
- Nectar secretion affected by weather conditions.
- 8013 CONSIDÉRATIONS sur l'apiculture en France. Extraits du rapport présenté à M. le Ministre de l'Agriculture par le groupe national de la production apicole. B. Agr. des Hautes-Pyrénées, No. 400, p. 11-14. Jan./Feb. 1944. 14 B875
- 8014 CUSS, J. F. Weighing hives of bees. *Beekeepers' Rec.* 63: 120-121. Dec. 1945. 424.8 B398
- 8015 DICKS, W. J. H. *Vespa* - the tormentor. *West. Canada Beekeeper* 8(14, 1. e. 12): 6, 13. Dec. 1945. 424.8 W525
- Wasps as enemies of honeybees.
- 8016 ECKERT, J. E. Bees in towns and cities. *Gleanings Bee Cult.* 73: 492-493. Dec. 1945. 424.8 E47
- 8017 EHRLICH, Z. Moving beehives to areas of honey flora. (In Hebrew.) *Hassadeh* 26(1): 42. Oct. 1945. 26 H27
- 8018 FOTIDAR, M. R., and FOTIDAR, S. N. Production of pure saffron honey in Kashmir. *Indian Bee J.* 7: 129-130. Sept./Oct. 1945. 424.8 In2
- 8019 FROW, R. W. Acarine disease [*Acarapis woodi*]. *Brit. Bee J.* 73: 302. Nov. 8, 1945. 424.8 B77
- Same title in *Beekeeping* 11: 151. Dec. 1945. 424.8 B3991

## APICULTURE AND APIS MELLIFERA

- 8020 GAMBLE, R. The new insecticides [Gam-mexane]. A big menace to bees? *Smallholder* 74(1860): 18. Nov. 9, 1945. 10 Sml
- 8021 GAY, A. Rules and regulations on movement of bees into Arkansas. *Gleanings Bee Cult.* 73: 502. Dec. 1945. 424.8 G47
- 8022 GEOGHEGAN, N. M. Cash compensation for loss of bees and equipment; draft rules of the D. B. K. A. [Devon Beekeepers' Association] foul brood mutual aid club. *Beekeeping* 11: 140-144. Nov. 1945. 424.8 B3991
- 8023 GIBBS, H. A. Breeding the honey bee. *Indian Bee J.* 7: 137-139. Sept./Oct. 1945. 424.8 In2
- 8024 GILES, J. S. Bee-keeping notes. *Worcestershire Agr. Chron.* 12: 267-268. Nov. 1944. 10.W892
- 8025 GOUGET, C. W. Are we horse and buggy beekeepers? *Amer. Bee J.* 85: 429-430. Dec. 1945. 424.8 Am3
- Economics of beekeeping.
- 8026 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Diseases of bees. *Gt. Brit. Min. Agr. and Fisheries. B.* 100, 25 p. London, 1945. 10 G794B
- 8027 HASTINGS, E. Keeping the ants at bay [in the apiary]. *West. Canada Beekeeper* 8(14, i. e. 12): 12-13. Dec. 1945. 424.8 W525
- 8028 HERNÁNDEZ, E. Alimentación artificial de las abejas. *Rev. del Café* 1(5): 19, 25. Oct. 1945. 8 R3295
- 8029 HERNANDEZ, H.H. Piqueras de fondo y piqueras superiores de salvación. *Chacra* 15(180): 56. Oct. 1945. 9 C34
- 8030 HOLST, E. C. An antibiotic from a bee pathogen [Bacillus larvae]. *Science* 102: 593-594. Dec. 7, 1945. 470 Sci2
- 8031 HOW TO reach that ripe old age - keep bees; the hive way to happiness. By Gubesho. *Farmer [Pietermaritzburg]* 34(42): 13. Oct. 19, 1945. 24 F227
- 8032 JARVIS, C. S. A countryman's notes [apiculture in North Africa]. *Country Life [London]* 92: 633-634. Oct.-12, 1945. 80 C83
- 8033 JOHNSTON, H. G., and SIDDALL, C. An introduction to beekeeping. *Your Farm* 4(2): 43-46. Dec. 1945. 6 Y8
- 8034 JONES, G. O. Economic value of bees. *Beekeepers Item* 29: 411-412. Dec. 1945. 424.8 B397
- 8035 KINARD, W. P. How to use a wire muff. *Amer. Bee J.* 85: 444. Dec. 1945. 424.8 Am3
- 8036 LACRAMPE-QUINTA, A. L'apiculture dans la vallée de Luz. *B. Agr. des Hautes-Pyrénées, No. 401, p. 32-34. Mar./Apr. 1944. 14 B875*
- 8037 LAL, K. B. The distribution of *Apis indica* Fab. in the plains of India. *Indian Bee J.* 7: 133-134, 144. Sept./Oct. 1945. 424.8 In2
- 8038 LIÑAN Y HEREDIA, N. J. DE. Apicultura de "paso atras." Panama. *Min. de Agr. y Com. Rev. de Agr. y Com.* 4(48): 55-59. Aug. 1945. 8 R3291
- Beekeeping in Spain in the eighteenth century.
- 8039 LITVINOSKY, M. Miel de abejas. *Pro-Vida* 26(290): 14. Nov. 1945. 475 P942
- 8040 MALADIES contagieuses des abeilles. *B. Agr. des Hautes-Pyrénées, No. 405, p. 112-114. Oct./Nov. 1944. 14 B875*
- Apicultural regulations.
- 8041 MANLEY, R. O. B. Sealed honey v. sugar. *Scot. Beekeeper* 21: 137. Nov. 1945. 424.8 Sco8
- Feeding bees prior to honey flow.
- 8042 MARTIN, R. L'apiculture dans la région Pyrénéenne. *B. Agr. des Hautes-Pyrénées, No. 401, p. 34-36. Mar./Apr. 1944. 14 B875*
- 8043 MAURIZIO, A. Trachtkrankheiten der Bienen. 1. Vergiftungen bei einseitiger tracht von rostkastanien [Aesculus hippocastanum]. *Schweiz. Bienen-Ztg. Beih.* 1: 337-368. Aug. 1945. Ref. 424.8 Sch9
- 8044 MOFFIT, G. M. Parthenogenesis in honey bees. *Canad. Bee J.* 53: 189-190. Nov. 1945. 424.8 G16
- 8045 MORSE, C. D. Isolated experiences and observations [in bee yard]. *Gleanings Bee Cult.* 73: 489-491. Dec. 1945. 424.8 G47
- 8046 MUTTOO, R. N. Research work on honey; some popular misconceptions examined. *Indian Bee J.* 7: 152-155. Sept./Oct. 1945. 424.8 In2
- 8047 NEUMANN, G. La lutte contre les ennemis des abeilles. *B. Agr. des Hautes-Pyrénées, No. 403, p. 67-71. (To be cont.) July 1944. 14 B875*
- 8048 NEWELL, R. E. Language of the honeybee expressed by sounds. *Amer. Bee J.* 85: 439. Dec. 1945. 424.8 Am3
- 8049 NEWELL, R. E. Why condemn dark honey of good flavor? *Beekeepers Item* 29: 409-410. Dec. 1945. 424.8 B397
- 8050 OLIVEIRA JOR., A. P. DE. Apicultura e propaganda. *Chacaras e Quintais* 72: 305-306. Sept. 15, 1945. 9.2 C34
- Apiculture in Brazil.
- 8051 ORE, L. E. Factors in beekeeping. *Beekeepers Item* 29: 410-411. Dec. 1945. 424.8 B397
- Fundamental problems confronting the beekeeper.
- 8052 PELLETT, F. C. Need of bees in agriculture. *Iowa State Hort. Soc. Trans. (1944)* 79: 121-125. 81 Iog
- Pollination of agricultural crops dependent upon the honeybee.
- 8053 PEEING, A. H. A cure for bee paralysis. *Amer. Bee J.* 85: 435. Dec. 1945. 424.8 Am3
- 8054 PIRKEY, C. H. A double super cover for wintering; a new idea in wintering bees by substituting air spaces in place of packing. *Gleanings Bee Cult.* 73: 498-499. Dec. 1945. 424.8 G47
- 8055 POUYFERRIÉ. Réunion du Syndicat des Apiculteurs des Hautes-Pyrénées du 13 avril 1944. *B. Agr. des Hautes-Pyrénées, No. 402, p. 51-53. May/June 1944. 14 B875*
- 8056 PUMPHERY, W. Advice to a beginner by a beginner. *Beekeepers' Rec.* 63: 121-122. Dec. 1945. 424.8 B398
- 8057 QUINTERO, A. Las abejas. Spain. *Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural* 1(9): 8, 12. Dec. 1944. 15 Spl2
- 8058 RAU, F. N. V. *Apis dorsata*. *Indian Bee J.* 7: 131-132, 139. Sept./Oct. 1945. 424.8 In2
- 8059 RODRIGUEZ, R. R. Miel de palo. *Chacra* 15(180): 54-55. Oct. 1945. 9 C34
- Honey from bee trees in Argentina.
- 8060 ROOT, E. R. Eighty years among the bees. *Gleanings Bee Cult.* 73: 501. (Cont.) Dec. 1945. 424.8 G47
- 8061 SCOTT, T. L. Bee anatomy. (Internal. Section 3, part 2.) (Cont.) Preparation of the tracheae and glands. *Microscope and Ent. Monthly* 5: 277-281. 1945. 440.8 M584
- 8062 SECHRIST, E. L. I have a plan of work. *Beekeepers Item* 29: 405-406. Dec. 1945. 424.8 B397
- Advocates research to study heating bee hives electrically and the effect on bee behavior.
- 8063 SHAH, K. A. Vitamins in honey. *Indian Bee J.* 7: 135-136. Sept./Oct. 1945. 424.8 In2
- 8064 SHERLOCK, J. T. The value of methyl salicylate in acarine. *Bee Craft* 28: 87. Nov. 1945. 424.8 B3925
- Caused by *Acarapis woodi*.



8065 SHEWELL-COOPER, W. E. It will make a difference. Estate Mag. 45: 297-298. Nov. 1945.

10 Es8

Orchard pollination by bees.

8066 SNAVELY, H. M. Report of the annual summer meeting [Pennsylvania State Beekeepers' Association]. Pa. Beekeeper 20(3): 4-6. Sept. 1945. 424.8 F38

8067 STEPHEN, W. A. The use of bee stings. Amer. Bee J. 85: 438. Dec. 1945. 424.8 Am3

Therapeutic use of bee venom.

8068 A TREAT in store for Natal and Zululand beekeepers; bee life and labours to be shown on the screen. By Gubeshe. Farmer [Pietermaritzburg] 34 (43): 13. Oct. 26, 1945. 24 F227

8069 UNWANTED decorations [Braula coeca] adorn the queen bee. By Gubeshe. Farmer [Pietermaritzburg] 34(38): 14. Sept. 21, 1945. 24 F227

8070 WERTHEIN, I. Apicultura familiar. Rev. Mens. B. A. P. 28(336): 55-57. Nov. 1945. 9 R326

8071 WHEN bees go on the water wagon. By Gubeshe. Farmer [Pietermaritzburg] 34(41): 13. Oct. 12, 1945. 24 F227

Bees gather water.

8072 WHITEHEAD, S. B. Garden flowers for bees. Field 186: 456. Nov. 3, 1945. 10 F45

8073 WRIGHT, P. H. My credo concerning Nosema. West. Canada Beekeeper 8(14 i. e. 12): 7-8. Dec. 1945. 424.8 W525

8074 YOCKNEY, G. L. Bee farming -- Why not, as a sideline? Smallholder 74(1862): 10-11. Nov. 23, 1945. 10 Sml

#### Colony Management

8075 BEVERIDGE, E. Favors outside wintering. West. Canada Beekeeper 8(14 i. e. 12): 10. Dec. 1945. 424.8 W525

8076 BLACK, A. B. Bees are ticklish business. Oreg. Dept. Agr. Agr. B. 143, p. 19-20. Dec. 1945. 2 Or3

8077 FINLAY, W. A. Une entrée au sommet des ruches en hivernement pour les protéger. Abeille et l'Érable 14: 128. Nov. 1945. 424.8 Ab32

8078 GAMBLE, R. Coddled bees don't winter well. Smallholder 74(1859): 18. Nov. 2, 1945. 10 Sml

Writer believes in the "cold" method.

8079 GAMBLE, R. No candy? Bees can do without it. Shortage of supplies is of no concern where stocks are properly managed. Smallholder 74(1861): 18. Nov. 16, 1945. 10 Sml

8080 LACRAMPE-QUINTA, A. Le plus grand ennemi des abeilles. B. Agr. des Hautes-Pyrénées, No. 400, p. 10-11. Jan./Feb. 1944. 14 B875

Poor management of colonies.

8081 LACRAMPE-QUINTA, A. Rapport sur l'hivernage des abeilles. B. Agr. des Hautes-Pyrénées, No. 402, p. 53-54. May/June 1944. 14 B875

8082 MOORE EDE, W. E. Getting honey transferred from brood combs to sections. Brit. Bee J. 73: 304. Nov. 8, 1945. 424.8 B77

Method of colony management.

8083 MOOT, E. H. Five years - then a new home. Gleanings Bee Cult. 73: 496-497, 524. Dec. 1945. 424.8 G47

Transferring bees from bee tree to modern hive.

8084 PASCUAL, P. Problemas de un apiario industrial en primavera. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 385. Oct. 4, 1945. 9.9 G15B

8085 PRESTON, J. H. "What do I do?" Beekeepers' Rec. 63: 106-107. Nov. 1945. 424.8 B398

Describes the capture of a swarm.

8086 SMELLIE, E. Early spring apiary management. New Zeal. J. Agr. 71: 199-200. Aug. 15, 1945. 23 N48J

8087 STUHMEKE, S. H. Best method of preparing bees for winter. Australasian Beekeeper 47: 87. Oct. 15, 1945. 424.8 Au72

8088 SWENSON, C. E. Keep up bee morale in spring. Minn. Hort. 73: 143. Nov. 1945. 81 M66

8089 WAKEFIELD, J. F. Bees on the farm. Utah Farmer 65(6): 8. Oct. 25, 1945. 6 D45

Preparation for winter.  
See also Honey and Beeswax in Agricultural Products section.

#### ARACHNIDA, MYRIAPODA, ETC.

8090 ANASTASIA, P. La ganaderia y su sanidad. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 383. Oct. 4, 1945. 9.9 G15B

Control of mange parasites on sheep.

8091 ANDRÉ, M. Sur une nouvelle espèce portugaise d'acarien, appartenant au genre *Thrombella* [i. e. *Trombella*; (*T. lusitanica* n. sp.)]. Paris Mus. Natl. d'Hist. Nat. B. (ser. 2) 16: 230-234. June 1944. 410.9 P213

8092 BELL, J. E., JR., and BOONE, J. A. Neostigmine methylsulfate an apparent specific for arachnidism (black widow spider [*Latrodectus mactans*; bite]). Amer. Med. Assoc. J. 129: 1016-1017. Dec. 8, 1945. 448.9 Am37

8093 BURTT, E. T. The mode of action of sheep dips. Ann. Appl. Biol. 32: 247-260. Aug. 1945. Ref. 442.8 An72

Action on *Ixodes ricinus*.

8094 CASSAMAGNAGHI, A. La sarna demodética de los bovinos. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 332-333. Aug. 23, 1945. 9.9 G15B

Caused by *Demodex bovis*.

8095 COOLEY, R. A. *Ixodes tovari*, a new species from Mexico (*Ixodidae*). Pan-Pacific Ent. 21: 144-148. Oct. 1945. 421 F193

8096 DARLING, R. The sting of the scorpion. Walkabout 11(11): 14-15. Sept. 1, 1945. 331.8 W15

8097 DAVIDSON, J. L. Treatment of demodectic mange in dogs. Vet. Med. 11: 377-378. Nov. 1945. 41.8 M69

Caused by *Demodex canis*.

8098 DEMANGE, J. M. Quelques mots sur la mue de *Lithobius forficatus* L. (*Myriapodes Chilopodes*). Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 16: 235-237. June 1944. 410.9 P213

8099 FAGE, L. A propos de quelques araignées cavernicoles de Crète. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 17: 109-114. Feb. 1945. 410.9 P213

Includes n. spp.: *Sulcia cretica* and *Lepthyphantes kratochvili*.

8100 FIGGE, F. H. J., and WOLFE, G. F. Use of Beta betá Dithiocyanate diethyl ether (RID-O) to control mite [*Myobia musculi*] infestations in mice. Soc. Expt. Biol. and Med. Proc. 60(1): 136-138. Oct. 1945. 442.9 Sol

8101 HEADSTROM, R. How a spider spins its web. Horticulture 23: 511. Nov. 15, 1945. 80 H787

8102 HILL, J. L. Further observations on the stability of lime-sulphur during dipping or spraying sheep. Austral. Council Sci. and Indus. Res. J. 18: 201-208. Aug. 1945. 514 Au72J

For control of *Psorergates ovis*.

8103 HOFF, C. C. Pseudoscorpions [*Chelonethidae*] from North Carolina. Amer. Micros. Soc. Trans. 64: 311-327. Oct. 1945. 440.9 Am33

Includes n. spp.: *Heterochthonius multispinosus*; *Chthonius pearsei*; *Microcreagris lata*.

8104 HOLM, A. Zur kenntnis der spinnenfauna des Torneträskgebietes. Arkiv för Zool., v. 36, No. 3, art. A 15, 11 p. 1945. 410.9 Sv22

Includes new spp. and forms in: *Rhaebothorax*; *Drepanotylus* n. g.; *Hybocoptus*; *Bathypantes* 2; *Lepthyphantes*; *Aranea*; *Arctella* n. g.; *Dictyna*.



- 8105 LIFUBIMOV, A. E. Obogrevanie gazokamer [Heating of gas chambers]. Veterinarifa 22(2/3): 41. Feb./Mar. 1945. 41.8 V6426  
Fumigation against mange mites.
- 8106 LUNBLAD, O. Ein paar interessante hydra-cerinen aus Sudafrika, nebst bemerkungen über die schilder einiger thyas-artiger milben. Arkiv för Zool., v. 35, No. 3, art. A 12, 13 p. 1945. 410.9 Sv22  
Includes Octothyas hewittae n. g., n. sp.
- 8107 MOREJON PUIG, L. F. Las garrapatas [Boophilus annulatus]. Fomento [monthly, 2(22): 7-10, 24. Aug. 1945. 8 F734
- 8108 ONATE F., L. Sarna de los ovejunos. Unión Agr. del Sur 3(18/19): 17-19. July/Sept. 1945. 9.3 Un3  
Caused by Psoroptes ovis.
- 8109 PALEO, J. M. Os sarnicidas na erradicação da sarna ovina. Rio Grande do Sul. Dir. da Prod. Anim. B. 1(1): 62-66. (To be cont.) Jan./June 1945. 49.9 R47  
Caused by Psoroptes ovis.
- 8110 PRALL, P. A. Dangerous red mite [Dermanyssus gallinae]. Poultry World 77: 185. Oct. 19, 1945. 47.8 P8682
- 8111 R., W. H. DDT treatment of mange (scabies) in rabbits. North Amer. Vet. 26(12): 725. Dec. 1945. 41.8 N812  
Caused by Psoroptes cuniculi and Sarcptes scabiei.
- 8112 SQUIBB, R. L. Un nuevo sistema para el control de la garrapata [Boophilus annulatus] en regiones tropicales. Rev. de Agr. [San José, 17: 487, 489, 491-492. Oct. 1945. 8 Esl
- 8113 STEFANSKI, W. Komora gazowa typu "Puławy" [Gas chamber of "Puławy" type]. Med. Wet. 1: 4-7. May/June 1945. 41.8 M463  
Fumigation treatment of mange in horses with So2.
- 8114 STREETER, W. R. Parasitic otorrhea. Vet. Med. 40: 412-413. Dec. 1945. 41.8 M69  
Caused by various species of mites.
- 8115 TAFT, W. C., and PIKE, J. B. Relapsing fever. Report of a sporadic outbreak, including treatment with penicillin. Amer. Med. Assoc. J. 129: 1002-1005. Dec. 8, 1945. 448.9 Am37  
Ornithodoros turicata probable vector.
- 8116 TRÉGÅRDH, I. Description of Trematurella Trägårdh, a new genus of Uropodina (Acarina). Arkiv. för Zool., v. 36, No. 3, art. A 15, 10 p. 1945. 410.9 Sv22
- 8117 VACHON, M. Pseudoscorpions nouveaux des collections du Muséum National d'Histoire Naturelle de Paris. 4e note. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 16: 439-441. Nov. 1944. 410.9 P213  
Describes Beierius aequatorialis n. sp.
- 8118 VACHON, M. Remarques sur le scorpion aveugle du Roussillon: Belisarius xambeui E. S. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 16: 298-305. July/Sept. 1944. 410.9 P213
- 8119 VAN RIFER, W. The jumping spider [Attidae] photographed in action at 1/30,000 of a second. Nat. Hist. 54: 467. Dec. 1945. 500 N483J
- 8120 VOGELANG, E. V. Contribución al estudio de la parasitología animal en Venezuela. XV. Acarina de los animales domésticos y salvajes. B. de Ent. Venezol. 3: 51-56. Apr. 30, 1944. Ref. 421 B63
- COLEOPTERA
- 8121 ARMSTRONG, J. W. T. On Australian Dermestidae. Pt. IV. Notes and the description of a new genus and four new species. Linn. Soc. N. S. Wales. Proc. 70: 47-52. May 15, 1945. 514 Sy2  
Includes new spp. in: Psacus; Trogoderma 2; Myrmeanthrenus n. g. 2.
- 8122 BENESH, B. Some remarks on the genus Apterodorus Arrow (Coleoptera: Lucanidae). Ent. News 56: 229-234. Nov. 1945. 421 En88
- 8123 BERTONI, A. DE W. Cantaridas [Meloidae; burritos en el Paraguay. Paraguay. Min. de Agr. Rev. de Agr. y Ganad., No. 13, p. 33. Sept. 1945. 9.7 Ag8Re
- 8124 BIRCH, L. C. The influence of temperature, humidity and density on the oviposition of the small strain of Calandra oryzae L. [i. e. Sitophilus oryzae] and Rhizopertha dominica Fab. (Coleoptera). Austral. J. Expt. Biol. and Med. Sci. 23: 197-203. Sept. 1945. 442.8 Au7
- 8125 BRIMBLECOMBE, A. R. The biology, economic importance and control of the pine bark weevil, Aesiotus notabilis Pasc. Queensland J. Agr. Sci. 2(1): 1-88. Mar. 1945. Ref. 23 Q37
- 8126 BROWN, W. J. Food-plants and distribution of the species of Calligrapha in Canada, with descriptions of new species (Coleoptera, Chrysomelidae). Canad. Ent. 77: 117-133. July 1945. Ref. 421 Cl6
- 8127 CAÑIZO, J. DEL. Dos plagas del olivo: barrenillos [Phloeotribus scarabaeoides] y malos podadores. Surco [Madrid, 4(41): 2-5. July 1945. 15 Su7
- 8128 CHU, H. F. The larvae of the Harpalinae Unisetosae (Coleoptera, Carabidae). Ent. Amer. 25: 1-70. Jan. 1945. 420 B792
- 8129 DAVIAULT, L. Cause du rougissement des rameaux de sapin. Forêt Québécoise 10: 275-276. Nov. 1945. 99.8 F79  
Monochamus spp.
- 8130 DAVIS, M. E. The effect of population density on longevity in Trogoderma versicolor Creutz. (= T. inclusa Lec.). Ecology 26: 353-362. Oct. 1945. Ref. 410 Ec7
- 8131 EBELING, W. Control of grape bud beetle [Glyptoscels squamulata] in the Coachella Valley. Citrus Leaves 25(11): 11. Nov. 1945. 80 C492
- 8132 EIRE, DEPT. OF AGRICULTURE. The Colorado beetle [Leptinotarsa decemlineata]. Eire. Dept. Agr. Leaflet 106, 3 p. Dublin, 1945. 10.5 Ir42
- 8133 FENDER, K. M. A new Laricobius [L. nigrinus] from Oregon (Coleoptera, Derodontidae). Pan-Pacific Ent. 21: 152. Oct. 1945. 421 Fl93
- 8134 FERNÁNDEZ ABREU, L. Medio biológico para combatir al tetuán [Cylas formicarius elegantulus]. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 76-77. July/Sept. 1945. 8 Ag88Re
- 8135 GARCIA DE OTEYZA, C. Escarabajo de la patata [Leptinotarsa decemlineata]. Siembra 1(1): 66-67. Jan. 1945. 15 811
- 8136 GEMIGNANI, E. V. Amigos y enemigos; el "enemigo del tabaco", Lema bilineata. Chacra 15 (180): 84. Oct. 1945. 9 C34
- 8137 LENFANT, J. Lutte contre les ennemis des cultures. B. Agr. des Hautes-Pyrénées, No. 407, n. 11-15. Jan./Mar. 1945. 14 B875  
Control of Anthonomus pomorum.
- 8138 LOBIT, P. Agriculteurs plus que jamais il faut lutter contre le doryphore. [Leptinotarsa decemlineata]. B. Agr. des Hautes-Pyrénées, No. 403, p. 57-59. July 1944. 14 B875
- 8139 MILES, H. W., and MILES, M. Changes in wireworm population associated with cropping. Ann. Appl. Biol. 32: 235-236. Aug. 1945. 442.8 An72
- 8140 MILES, H. W. Experiments on the control of flea beetles on Brassicae in the Western Province. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 145-149. 84 B77
- 8141 MONTE, O. Qual o maior besouro [Coleoptera] do Brasil? Chacaras e Quintais 72: 330-332. Sept. 15, 1945. 9.2 C34
- 8142 PACKARD, C. M. Alfalfa weevil [Hypera postica]. Hoard's Dairyman 90: 656. Nov. 10, 1945. 44.8 H65
- 8143 POTTS, R. W. L. A new Coenonycha [C. pascuensis] from California (Coleoptera, Scarabaeidae). Pan-Pacific Ent. 21: 141-143. Oct. 1945. 421 Fl93
- 8144 RAYMENT, T. The longicornes [Cerambycidae]. Walkabout 11(12): 28-29. Oct. 1, 1945. 331.8 W15



8145 RICHARDS, O. W. The effect of mercury vapour on the eggs of *Calandra granaria* (L.) [i. e. *Sitophilus granarius*] (Col., Curculionidae). B. Ent. Res. 36: 283-290. Nov. 1945. 421 B87

8146 SILVEIRA GUIDO, A. El "taladrillo" *Scolytus*, enemigo implacable de los frutales. Uruguay Min. de Ganad. y Agr. B. Inform. 2: 385. Oct. 4, 1945. 9.9 G15B

8147 STEWART, A. M. *Saperda scarlaris* in Arran. Entomologist 78: 171. Nov. 1945. 421 En8

Only alders attacked.

8148 THOMPSON, W. L. Control of the shot-hole borers [*Scolytus rugulosus*] in citrus trees. Citrus Indus. 26(12): 3, 21. Dec. 1945. 80 C49

8149 VALENTINE, J. M. Parthenogenesis and speciation in a genus [*Drasterius*] of elaterid beetles. (Abs.) Ent. Soc. Wash. Proc. 47: 299-300. Dec. 1945. 420 W27

8150 VAN DYKE, E. C. A staphylinid beetle [*Ocyptus ater*] new to California. Pan-Pacific Ent. 21: 140 Oct. 1945. 421 P193

## DIPTERA

8151 ADDIS, C. J. Collection and preservation of sandflies (*Phlebotomus* [i. e. *Flebotomus*]) with keys to U. S. species (Diptera: Psychodidae). Amer. Micros. Soc. Trans. 64: 328-332. Oct. 1945. 440.9 Am33

8152 ALEXANDER, C. P. New or little-known Tipulidae from Venezuela (Diptera). Pt. III-V. B. de Ent. Venezol. 3: 35-50, 143-160, 171-192. Apr. 30, Sept. 30, Dec. 31, 1944. 421 B63

New spp. and forms in: *Ozodicera*; *Pselliophora*; *Tipula* 2; *Limonia* 4; *Teucholabis*; *Gonomyia* 2; *Tanypremna* 2; *Nephrotoma*; *Rhabdomastix*.

8153 ALEXANDER, C. P. Records and descriptions of Neotropical crane-flies (Tipulidae, Diptera), XX. N. Y. Ent. Soc. J. 53: 279-291. Dec. 1945. 420 N48J

New spp. in: *Teucholabis* 5; *Gonomyia* 2; *Neogonomyia*; *Gonomyia*; *Erioptera*.

8154 BISSELL, T. L. *Myiophasia globosa* (Tns.), tachinid parasite of the cowpea curculio [*Chalcomermus aeneus*]. Ent. Soc. Amer. Ann. 38: 417-440. Sept. 1945. Ref. 420 En82

8155 BLOSS, J. F. E. The tsetse fly in the Sudan. Sudan Notes and Rec. 26: 139-156. 1945. Ref. 515 Su2

*Glossina* spp. and sleeping sickness.

8156 CARRION, M. Nuevos métodos de lucha contra la mosca de la fruta [*Ceratitis capitata*]. Uruguay. Min. de Ganad. y Agr. B. Inform. 2(87): 380. Sept. 27, 1945. 9.9 G15B

8157 COLLIN, J. E. British Micropezidae (Diptera). Ent. Rec. and J. Variation 57: 115-119. Oct. 1945. 421 En89

8158 DE VRIES, H. Protective measures against blowfly strike; the Mules' operation gives excellent results. Farmer [Pietermaritzburg] 34(42): 8. Oct. 19, 1945. 24 F227

8159 EMDEN, F. I. VAN. Keys to the Ethiopian Tachinidae.--I. Phasiinae. London. Zool. Soc. Proc. 114. 389-436. Mar. 1945. 410.9 L84P

New spp. in: *Archiphania* n. g.; *Ocyptera*; *Diploptota*; *Mesnilana* n. g.; *Gymnosoma*.

8160 EVELYN, H. Canada's war on warbles [*Hypoderma* spp.]. Furrow, Port. - E [Ed.] 50: 4. Sept./Oct. 1945. 6 F98P

8161 FRINGS, M. R., and FRINGS, H. A potometer for rapid measurements of ingestion by haustellate insects. Science 103(2662): 22-23. Jan. 4, 1946. 470 Sci2

Study of *Cynomyopsis cadaverina*.

8162 GASTROFILOSIS equina. Vida Agr. 22: 595, 599-600. July 1945. 9.8 V66

8163 GHELELOVITCH, S. Variabilité de la proportion des phénotypes dans la ségrégation en  $F_2$  d'un croisement entre deux races de *Drosophila melanogaster* [i. e. *ampelophila*]. Paris. Acad. des Sci. Compt. Rend. 220: 338-340. Mar. 5, 1945. 505 P21

8164 GOFFE, E. R. The type-species for Meigen's '1800' genera in the Syrphidae (Diptera). Ent. Monthly Mag. 81: 241-248. Nov. 1945. Ref. 421 En86

8165 HULL, F. M. Some new species of the genus *Salpingogaster*. B. de Ent. Venezol. 3: 165-170. Dec. 31, 1944. 421 B63

8166 MCGOWAN, E. R., and GERSDORFF, W. A. The effect of fly food on resistance to insecticides containing DDT or pyrethrum. Soap and Sanit. Chem. 21 (12): 165, 169. Dec. 1945. 307.8 Sol2

8167 NETTEL, F. R. Contribución al estudio de la distribución de los simulidos en el estado de Chiapas. Medicina; Rev. Mex. 25: 465-469. Nov. 10, 1945. 448.8 M4693

English summary.

*Simulium ochraceum*, *S. metallicum*, and *S. callidum* found to cause Onchocerciasis.

8168 PECHUMAN, L. L. A new species of *Glutops* [*G. rossii*] (Diptera, Coenomyiidae). Canad. Ent. 77: 134-135. July 1945. 421 C16

8169 PETHERBRIDGE, F. R., WRIGHT, D. W., and ASHBY, D. G. The biology and control of the carrot fly [*Psila rosae*]. Ann. Appl. Biol. 32: 262-264. Aug. 1945. 442.8 An72

Part of a Symposium on the carrot fly conducted by the Association of Applied Biologists.

8170 PETHERBRIDGE, F. R. Wheat bulb fly [*Hylemya coarctata*] field experiments. Gt. Brit. Min. Agr. Agriculture 52: 351-354. Nov. 1945. 10 G79J

8171 RAKHMANOV, A. G. Kozhnyy ovod krupnogo rogatogo skota i mery bor'by [Gadfly [*Hypoderma* spp.], of the skin of large horned cattle and methods of control]. Veterinariya 22(2/3): 16-18. Feb./Mar. 1945. 41.8 V6426

8172 RAPP, W. F., JR., and SNOW, W. E. Catalogue of Apioiceridae of the World. Pan-Pacific Ent. 21: 147-160. Oct. 1945. 421 P193

8173 RAPP, W. F., JR. New Psychodidae from Barro Colorado Island. N. Y. Ent. Soc. J. 53: 309-312. Dec. 1945. 420 N48J

New spp. in *Psychoda* 4. *Kupara albipada* n. g., n. sp.

8174 RAPP, W. F., JR. Nomenclature notes II. Entomologist 78: 172. Nov. 1945. 421 En8

*Novoberendtia* n. n. for *Berendtia* Townsend.

8175 RAPP, W. F., JR. *Pseudolutzomyia*, new name for *Lutzomyia* Curran, 1934 (Diptera). Ent. Soc. Wash. Proc. 47: 278. Dec. 1945. 420 W27

8176 ROEBUCK, A. The carrot fly [*Psila rosae*] in the Midlands. Ann. Appl. Biol. 32: 264-265. Aug. 1945. 442.8 An72

Part of a Symposium on the carrot fly conducted by the Association of Applied Biologists.

8177 SABROSKY, C. W. Three new African Chloporidae, with a discussion of the status of *Pseudogaurax* (Diptera). London. Zool. Soc. Proc. 114: 456-461. Mar. 1945. 410.9 L84P

*Pseudogaurax elachipteroides* n. sp.; *Pachylophus proximus punctifemur* n. var.; *Epimadiza fascipennis* n. sp.

8178 SCHWARDT, H. H. Power dusting for control of sheep tick [*Melophagus ovinus*] on feeder lambs; new method proves as effective as dipping with less labor and more profit; rotenone dusts give best results. Farm Rec. [N. Y. State Sta.] 11(4): 4-5. Oct. 1, 1945. 100 N48A

8179 SEARLS, E. M. Control of cattle grubs [*Hypoderma* spp.]. Board's Dairyman 90: 769. Dec. 25, 1945. 44.8 H65

8180 SEN, S. K., and MINETT, F. C. Experiments on the transmission of anthrax through flies. Indian J. Vet. Sci. and Anim. Husband. 14: 149-162. Sept. 1944. 44.8 In22



8181 STONE, A. Some Tabanidae from Venezuela. B. de Ent. Venezol. 3: 125-138. Sept. 30, 1944. 421 B63

Spanish summary.

New spp. in: *Cryptotylus* 2; *Diachlorus*; *Tabanus*.  
New comb.: *Stenotabanus cajennensis* (F.); *Dasybasis columbiana* (Enderlein).

8182 THOMAS, L. J. Black fly [Simuliidae; incubator-aerator cabinet. Science 103(2662): 21. Jan. 4, 1946. 470 Sci2

8183 WEBB, J. E. On the respiratory mechanism of *Melophagus ovinus* L. (Dipt.). London. Zool. Soc. Proc. 115: 218-250. Oct. 1945. 410.9 L84P

8184 WIESMANN, R. Untersuchungen über das an-ködem der Kirschfliege *Rhagoletis cerasi* L. Landw. Jahrb. der Schweiz 58: 803-840. 1944. Ref. 17 L23

8185 WILSON, G. F. Investigations on the control of carrot fly (*Psila rosae* F.) in gardens. Ann. Appl. Biol. 32: 265-276. Aug. 1945. 442.8 An72

Part of a Symposium on the carrot fly conducted by the Association of Applied Biologists.

8186 WRIGHT, D. W., and ASHBY, D. G. The control of the carrot fly (*Psila rosae*, Fab.) (Diptera) with DDT. B. Ent. Res. 36: 253-268. Nov. 1945. 421 B87

#### Culicidae

8187 ADAM, N. K. A rapid field method for as-sessing the spreading power of anti-malarial oils. B. Ent. Res. 36: 269-272. Nov. 1945. 421 B87  
For control of mosquito larvae.

8188 ANDUZE, P. J. *Aedes* (*Ochlerotatus*) *euiris* Dyar. B. de Ent. Venezol. 3: 161-163. Sept. 30, 1944. 421 B63

8189 BERTI, A. L. Acueductos y cloacas en su relación con el problema de la malaria. Tijereta: sobre Malaria 9: 137-142. May 1945. 448.9 V55T

Breeding places for *Anopheles* mosquitoes.

8190 BLAGOVESHCHENSKY, D., BREGETOVA, N., and MONCHADSKY, A. An investigation on new repellents for the protection of man against mosquito attacks. Roy. Soc. Trop. Med. and Hyg. Trans. 39: 147-150. Oct. 1945. Ref. 448.9 R813

8191 CARRILLO, S. Aplicaciones de los métodos simili-naturales en la lucha antimalárica. Tijereta: sobre Malaria 9: 142-146. May 1945. 448.9 V55T

Includes control of *Anopheles* spp.

8192 CERQUEIRA, N. L. Note on *Haemagogus capricornii* Lutz, 1904 (Diptera, Culicidae). Ent. Soc. Wash. Proc. 47: 279-288. Dec. 1945. 420 W27

8193 COFFEY, P. J. Nicaragua experiences; big dividends from a malaria campaign. Engin. News-Rec. 135: 722-725. Nov. 29, 1945. 290.8 En34

Includes control of vector, *Anopheles albimanus*.

8194 DEONIER, C. C., and JONES, H. A. TDE, 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane, as an anopheline larvicide. Science 103(2662): 13-14. Jan. 4, 1946. 470 Sci2

Tests with *A. quadrimaculatus*.

8195 DIAZ, I. Brote de fiebre amarilla selvática en Venezuela durante en año 1944. Ofic. Sanit. Panamer. B. 24: 589-596. July 1945. 150.9 B872

English summary.

Includes mosquito vectors.

8196 DUNHAM, G. C. The Americas fight - malar-ia. Hygeia 23: 902-903, 934, 936, 938. Dec. 1945. 449.8 H993

Includes role of *Anopheles* spp. and their control.

8197 HADDOW, A. J. On the mosquitoes of Bwam-ba County, Uganda: I.--Description of Bwamba, with special reference to mosquito ecology. London. Zool. Soc. Proc. 115: 1-13. Oct. 1945. 410.9 L84P

8198 HAMMON, W. M., REEVES, W. C., and GALINDO, P. Epidemiologic studies of encephalitis in the San Joaquin Valley of California, 1943, with the isolation of viruses from mosquitoes. Amer. J. Hyg. 42: 299-306. Nov. 1945. Ref. 449.8 Am3

*Culex tarsalis* found principal vector, but virus also isolated from *C. stigmatosoma* and *Aedes dorsalis*.

8199 HECHT, O., and ANDUZE, P. J. Contribución al conocimiento de la fauna culicidiana de la parte norte de la Guayana venezolana. B. de Ent. Venezol. 3: 105-118. Sept. 30, 1944. Ref. 421 B63

English summary.

Culicidae collected in the State of Bolivar.

8200 HILL, R. B., and HILL, C. M. *Wyeomyia caracula* Dyar & Nunez-Tovar, a description of the larva and pupa and a redescription of the adult (Diptera, Culicidae). Ent. Soc. Wash. Proc. 47: 296-298. Dec. 1945. 420 W27

8201 KAN, H. C. Malaria incidence in two dis-tricts in western Chekiang, China. Chinese Med. J. 40: 311-313. Oct./Dec. 1944. 448.8 C44

Includes discussion of *Anopheles hyrcanus sinensis* as a vector.

8202 KNIGHT, K. L., and ROZEBOOM, L. E. A new species of *Culex* [*C. binigrolineatus*] from New Guinea (Diptera, Culicidae). Ent. Soc. Wash. Proc. 47: 289-295. Dec. 1945. 420 W27

8203 KNIFE, F. W. Improvements in equipment for killing both larvae and adult mosquitoes with DDT. Agr. Engin. 36: 459-462, 464, 468. Nov. 1945. 58.8 Ag83

8204 KWOH, C. S. A preliminary report of malaria survey in Kweichow. Chinese Med. J. 40: 314-319. Oct./Dec. 1944. 448.8 C44

Lists species of *Anopheles* found in various dis-tricts.

8205 LEE, D. J. Notes on Australian mosquitoes (Diptera, Culicidae). Pt. V. The genus *Armigeres* and new species of *Armigeres*, *Theobaldia* and *Culex*. Linn. Soc. N. S. Wales. Proc. 69: 215-225. Dec. 15, 1944. 514 Sy2

8206 LE GALL, R. Le paludisme en Afrique Oc-cidentale Française, au Togo et à Madagascar en 1941. Off. Internatl. d'Hyg. Pub. [Paris]. B. Mens. 36: 203-224. May/June 1944. 449.75 Of2

Includes methods of controlling mosquitoes.

8207 MICHENER, C. D. Seasonal variations in certain species of mosquitoes (Diptera, Culicidae). N. Y. Ent. Soc. J. 53: 293-300. Dec. 1945. 420 N48J

*Culex apicalis*; *C. nigripalpus*; *C. (Melanoconion)* spp.

8208 RIBBANDS, C. R. The use of DDT as a mos-quito larvicide on still waters. B. Ent. Res. 36: 315-330. Nov. 1945. 421 B87

8209 RICHINS, C. A. The development of the midgut in the larva of *Aedes dorsalis* Meigen. Ent. Soc. Amer. Ann. 38: 314-320. Sept. 1945. 420 En82

8210 ROTH, L. M. Aberrations and variations in anopheline larvae of the southeastern United States (Diptera, Culicidae). Ent. Soc. Wash. Proc. 47: 257-278. Dec. 1945. 420 W27

8211 RUSSELL, P. F., RAO, T. R., and FUTNAM, P. An evaluation of various measures of *Anopheles* larva density. Amer. J. Hyg. 42: 274-298. Nov. 1945. 449.8 Am3

8212 SAUTET, J., and AUDIBERT, Y. Papilles anales et asphyxie des larves de moustiques. Soc. de Biol. Compt. Rend. 130: 104-105. Jan. 1945. 44.9 P21

Experiments with *Culex pipiens* and *Culiseta longi-areolata*.

8213 SHUTE, P. G. Malaria in England. Pub. Health [London] 58: 62-65. Mar. 1945. 449.8 P96

Includes discussion of mosquitoes as vectors.

8214 U. S. WAR DEPT. Use of DDT as an insecti-cide to kill adult mosquitoes. U. S. War Dept. Tech. B. TB Med 110, 5 p. Washington, 1944. 152.1 Us2



8215 WILLIAMS, R. W. Variations occurring in the pilosity of the terminal segments of *Aedes albopictus* (Skuse), fourth stage larvae (Diptera, Culicidae), with a description of a modal form. Ent. Soc. Amer. Ann. 38: 441-446. Sept. 1945. 420 En82

## HEMIPTERA (HETEROPTERA AND HOMOPTERA)

8216 APPLE, J. W., and ARNOLD, C. Y. The use of tuber specific gravity in determining the effectiveness of leafhopper [Empoasca fabae] insecticides. Amer. Potato J. 23: 339-343. Nov. 1945. 75.8 P842

8217 BARNES, S. The residual toxicity of DDT to bed-bugs (*Cimex lectularius*, L.). B. Ent. Res. 36: 273-282. Nov. 1945. 421 B87

8218 BEDWELL, E. C. The county distribution of the British Hemiptera-Heteroptera. Ent. Monthly Mag. 81: 253-264. Nov. 1945. 421 En86

8219 BROWN, E. S. The Corixidae of the Faeroe Islands, with observations on the geographical distribution of Corixidae in neighbouring parts of the world. London. Zool. Soc. Proc. 114: 490-506. Mar. 1945. 410.9 L84P

8220 CARAYON, J. Sur les organes génitaux males réduvidés. Soc. Zool. de France. B. 69: 219-224. Nov./Dec. 1944, pub. July 7, 1945. 410.9 P214B

8221 CHEAL, W. F. Capsid menace had its value. Fruit Grower, Fruiterer, Florist & Market Gard. 100: 358. Nov. 8, 1945. 80 F941

Attacks by *Lygus* and *Plesiocoris* led to better orchard spraying practices.

8222 COSTA LIMA, A. M. DA. Nota sobre o *Dialeurodicus cockerellii* (Homoptera: Aleyrodidae). Chacaras e Quintais 72: 313. Sept. 15, 1945. 9.2 C34

8223 DELONG, D. M. A new genus and species [*Sandersellus carinatus*], of South American leafhopper belonging to a new tribe of the Jassinae. Ent. Soc. Amer. Ann. 38: 414-416. Sept. 1945. Ref. 420 En82

8224 DELONG, D. M. A new genus--*Retusanus*--and five new species of Mexican leafhoppers (Homoptera, Cicadellidae). Pan-Pacific Ent. 21: 135-140. Oct. 1945. 421 P193

8225 DRAKE, C. J., and HAMBLETON, E. J. Concerning Neotropical Tingitidae (Hemiptera). Wash. Acad. Sci. J. 35: 356-367. Nov. 15, 1945. 500 W26J

Includes 2 n. g. and 22 n. spp.

8226 DRAKE, C. J. Concerning the American cantacaderinids [Cantacaderinae] (Hemiptera: Tingitidae). B. de Ent. Venezol. 3: 139-142. Sept. 30, 1944. 421 B63

Includes: *Zetekella zeteki* n. g., n. sp.

8227 DUNEGAN, J. C., and ISELY, D. Leafhopper [*Typhlocyba pomaria*] oviposition, the cause of one form of apple measles. Phytopathology 35: 870-876. Nov. 1945. Ref. 464.8 P56

8228 FERRIS, G. F., and USINGER, R. L. Notes and descriptions of American Polyctenidae (Hemiptera). Pan-Pacific Ent. 21: 121-124. Oct. 1945. 421 P193

Notes on Hesperoctenes; includes 2 n. spp.

8229 HALL, W. J. The identity of a mealybug vector of "swollen shoot" virus disease of cacao in West Africa. B. Ent. Res. 36: 305-313. Nov. 1945. 421 B87

Compares *Pseudococcus exitiabilis* and *P. njalensis*.

8230 HARRIES, F. H., DECOURSEY, J. D., and HOFMASTER, R. N. Some factors affecting the insecticidal action of pyrethrum extracts on the beet leafhopper [*Eutettix tenellus*]. J. Agr. Res. 71: 553-565. Dec. 15, 1945. Ref. 1 Ag84J

8231 HURD, M. P. A monograph of the genus *Corythaica* Stål (Hemiptera: Tingidae). Iowa State Col. J. Sci. 20: 79-99. Oct. 1945. 470 Io9

8232 KULASH, W. M. DDT rids poultry houses of bedbugs [*Cimex lectularius*]. Res. and Farming [N. C. Sta.] Prog. Rpt. 4(1): 7, 10. Oct. 1945. 100 N81R

8233 METCALF, R. L. A study of the metabolism of chlorophyll in the squash bug *Anasa tristis* DeGeer. Ent. Soc. Amer. Ann. 38: 397-402. Sept. 1945. Ref. 420 En82

8234 PALMER, M. A. Supplementary notes on ten described species of Lachnini (Aphidae). Ent. Soc. Amer. Ann. 38: 447-453. Sept. 1945. 420 En82

8235 PEREIRA GOMES, J. A. A *Icerya purchasi* "Mask"--Seu combate. Portugal. Junta Nac. das Frutas. B. 5(3): 12-16. Mar. 1945. 286.3939 P83

8236 PERES, J. N. Açã do dicloro-difenil-tricloroetana [DDT] sobre triatomídeos transmissores da doença de chagas. Ceres [Viçosa] 6: 136-147. Jan./June 1945. 9.2 C332

8237 POPHAM, E. J. Some observations on the distribution of *Velia currens* (Hemiptera). Entomologist 78: 145-148. Oct. 1945. 421 En8

8238 TUTHILL, L. D. Further observations on the Psyllidae of Cuba (Homoptera). Ent. News 56: 235-238. Nov. 1945. 421 En88

Includes *Platycorypha princeps* n. g., n. sp.; *Coelocara*, n. name.

8239 USINGER, R. L. Classification of the Enicocephalidae (Hemiptera, Reduviidae). Ent. Soc. Amer. Ann. 38: 321-342. Sept. 1945. Ref. 420 En82

Includes n. g.: *Pseudenicocephalus*; *Chinella*; *Ceratotrachelus*. *Megenicocephalus chinai* n. g., n. sp.

8240 USINGER, R. L. Notes on the genus *Cryptostemma* with a new record for Georgia and a new species [*C. pratti*] from Puerto Rico (Hemiptera: Cryptostemmatidae). Ent. News 56: 238-241. Nov. 1945. 421 En88

8241 VILLIERS, A. Description de nouveaux Harpactoritae africains (Hém. Reduviidae). Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 17: 136-141. Feb. 1945. 410.9 P213

New spp. in: *Rhaphidosoma* 2; *Lopodytes*; *Apreolestes* 3; *Tivanus* n. g.

## HYMENOPTERA

8242 ARTHUR, D. R. The development of artificially introduced infestations of *Aphidius granarius*, Marsh., under field conditions. B. Ent. Res. 36: 291-295. Nov. 1945. 421 B87

8243 BRUNER, S. C., and VALDES BARRY, F. Notas sobre la hormiga leona [*Pheidole megacephala*]. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 55, 64. July/Sept. 1945. 8 Ag88Re

8244 BUREN, W. F. *Leptothorax longispinosus* subsp. *iowensis*, nom. n. (Hymenoptera, Formicidae). Ent. Soc. Wash. Proc. 47: 288. Dec. 1945. 420 W27

8245 COCKERELL, T. D. A. African halictine bees. Entomologist 78: 153-156. Oct. 1945. 421 En8

Describes 5 n. spp. in *Halictus*.

8246 EL EXTERMINIO de la hormiga arriera, agricultora ó parasol. [*Atta* spp.] Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(49): 40-47. Sept. 1945. 8 R3291

8247 FRIEND, W. H. Ant control in citrus orchards. Tex. Farming and Citric. 22(5): 12. Nov. 1945. 80 T31

8248 GADD, C. H. Ceylon Euplectrini (Hym.). B. Ent. Res. 36: 331-337. Nov. 1945. 421 B87

Includes: *Metaplectrus solitarius* n. sp.; *Autoplectrus taprobanes* n. g., n. sp.

8249 GUIBÉ, J. Remarques sur la biologie d'*Oxybelus uniglumis* L. (hyménoptère-sphégide). Soc. Zool. de France. B. 69: 193-198. Nov./Dec. 1944, pub. July 7, 1945. 410.9 P214B



- 8250 HASKINS, C. P., and ENZMANN, E. V. On the occurrence of impaternate females in the Formicidae. N. Y. Ent. Soc. J. 53: 263-277. Dec. 1945. Ref. 420 N48J
- 8251 J., H. C. Coashi ants [Atta spp.] declared a notifiable pest. Brit. Guiana Dept. Agr. Farm J. 9: 74-75. July 1945. 9.6 F22
- 8252 KALMAN, H. Is the control of wasps worth while? (In Hebrew.) Hassadeh 26(1): 41. Oct. 1945. 26 H27
- 8253 MACSWAIN, J. W. Nesting habits of *Andrena rhodotricha* Linsley (Hymenoptera-Andrenidae). Pan-Pacific Ent. 21: 134. Oct. 1945. 421 P193
- 8254 MAO, Y. T. Synopsis of the Mexican species of *Cardiophiles* Nees (Hymenoptera, Braconidae). Pan-Pacific Ent. 21: 125-134. Oct. 1945. 421 P193
- Six n. comb.; 2 n. spp.
- 8255 NIXON, P. I. How I kill red ants. Farm and Ranch 64(11): 41. Nov. 1945. 6 T31
- Describes use of "1080" (Sodium fluoroacetate).
- 8256 PRATT, H. D. Taxonomic studies of Nearctic Cryptini (Ichneumonidae, Hymenoptera). Amer. Midland Nat. 34: 549-661. Nov. 1945. Ref. 410 M58
- Includes: *Nasutocryptus nasutus* n. g., n. sp.; 31 n. spp. in *Cryptus*.
- 8257 RAU, P. Caste in colonies of *Polistes* wasps. J. Compar. Psychol. 38: 291-293. Oct. 1945. Beltsville Branch Libr.
- 8258 RAYMENT, T. Tea-tree [*Leptospermum myrsinoides*] bees [*Euryglossa fasciata*] of Port Phillip. Walkabout 11(10): 27-29. Aug. 1, 1945. 331.8 W15
- 8259 ROSS, H. H. A new tribe and genus of nematine sawfly (Hymenoptera, Tenthredinidae). Pan-Pacific Ent. 21: 153-156. Oct. 1945. 421 P193
- Pristolini new tribe; *Pristola macnabi* n. g., n. sp.
- 8260 SCHUSTER, R. M. An interesting new brachypterous species of *Photopsis* [P. brachyptera] (Hymenoptera, Mutillidae). Pan-Pacific Ent. 21: 149-151. Oct. 1945. 421 P193
- 8261 SHEINFELD, D. An efficient control will eradicate wasps. (In Hebrew.) Hassadeh 26(1): 41. Oct. 1945. 26 H27
- 8262 SILVA, P. Esclarecimentos sobre *Baryconus* sp. (Hym. Scelionidae), parasita dos ovos do *Oecanthus* sp. (Orthop. Oecanthidae). Soc. Bras. de Agron. B. 7: 451-453. Dec. 1944. 9.2 Sol3
- 8263 STRANDTMANN, R. W. Observations on the nesting habits of some digger wasps (Sphecidae: Hymenoptera). Ent. Soc. Amer. Ann. 38: 305-313. Sept. 1945. 420 En82
- 8264 TALBOT, M. Population studies of the ant *Myrmica schencki* sp. emeryana Forel. Ent. Soc. Amer. Ann. 38: 365-372. Sept. 1945. 420 En82
- See also Apiculture and *Apis mellifera*.
- LEPIDOPTERA
- 8265 CHAPMAN, F. W. Moths attracted by searchlights. Entomologist 78: 176. Nov. 1945. 421 En8
- 8266 COCKAYNE, E. A. Peroneural defect in *Brenthis euphrosyne*, L. Ent. Rec. and J. Variation 57: 109-110. Oct. 1945. 421 En89
- Abnormal wing venation.
- 8267 CORBET, A. S. The Lepidoptera of St. Kilda. Entomologist 78: 166-168. Nov. 1945. 421 En8
- 8268 DAVIS, J. E. The oriental fruit moth [*Grapholitha molesta*] has crashed our gates. Oreg. Dept. Agr. Agr. B. 148, p. 10-12. Dec. 1945. 2 Or3
- 8269 DE WORMS, C. G. M. Lepidoptera at Whitsuntide, 1945, in the Highland. Entomologist 78: 149-150. Oct. 1945. 421 En8
- Collecting notes.
- 8270 DICK, J. Some data on the biology of the sugarcane borer (*Eldana saccharina*, Wlk.). So. African Sugar Technol. Assoc. Proc. (1945) 19: 75-79. 65.9 So83
- 8271 DILLON, L. S., and DILLON, E. S. The giant moths (Saturniidae) of Berks County, Pennsylvania. Mengel Nat. Hist. Soc. Leaflets 2, 12 p. Reading, Pa., 1945. 500 M52
- 8272 FORBES, W. T. M. The geometrid tracheation. Ent. News 56: 242-243. Nov. 1945. 421 En88
- 8273 FRINGS, H. On the ability of the caterpillars of the milkweed-moth, *Euchaetia egle* Drury, to land on the feet after falling. Amer. Midland Nat. 34: 662-672. Nov. 1945. 410 M58
- 8274 GABRIEL, A. G. Notes on some Papilionidae (Lep. Rhopalocera), with descriptions of five new subspecies. Entomologist 78: 151-152. Oct. 1945. 421 En8
- 8275 GIVEOLI, J. Experience in controlling the larvae of *Zeuzera pyrina* L. (In Hebrew.) Hassadeh 26(1): 42-43. Oct. 1945. 26 H27
- 8276 GOLDFINCH, G. M. Notes on Australian Boarmidae and Oenochromidae (Lepidoptera) with descriptions of new species. Linn. Soc. N. S. Wales. Proc. 69: 189-197. Dec. 15, 1944. 514 Sy2
- Includes 16 n. spp. and 7 n. g.
- 8277 GOLDSCHMIDT, R. B. Mimetic polymorphism, a controversial chapter of Darwinism. Q. Rev. Biol. 20: 205-230. (Concl.) Sept. 1945. Ref. 442.8 Q2
- Deals mainly with mimicry in Lepidoptera.
- 8278 GOODRICH, J. DDT vs. codling moth [*Carpocapsa pomonella*]; results given following experiment in New York State. East. Fruit Grower 8(9): 16, 21, 25. Nov. 1945. 80 Ea73
- 8279 GOODSON, F. W. Notes and descriptions of new species of American Theclinae contained in the British Museum (Natural History) (Lep. Lycaenidae). Entomologist 78: 169-171. (To be cont.) Nov. 1945. 421 En8
- Four n. spp. in Thecla.
- 8280 GUNDERSON, H. Apple maggot or railroad worm [*Rhagoletis pomonella*] in Iowa. Iowa State Hort. Soc. Trans. (1944) 79: 116-118. 81 Io9
- Discussion, p. 118-119.
- 8281 GUNDERSON, H. Ten years of codling moth [*Carpocapsa pomonella*] bait trapping. Iowa State Hort. Soc. Trans. (1944) 79: 119-120. 81 Io9
- Discussion, p. 120-121.
- 8282 HODGSON, S. B. *Zygaena lonicerae* pupae eaten by birds. Entomologist 78: 176. Nov. 1945. 421 En8
- 8283 HUSSONG, M. California battles the oriental fruit moth [*Grapholitha molesta*]. Calif. Grange News 14(21): 22. Nov. 5, 1945. 6 C128
- 8284 JONES, F. M. *Platocercetis* Packard, and a remarkable new species [P. congregatus n. sp.] of the genus (Lepidoptera: Psychidae). Amer. Ent. Soc. Trans. 71: 99-124. Sept. 1945. 420 P53
- 8285 KONING, H. S. DE. *Evetria sylvestrana* Curt. op Zeeden in 1945. Nederland. Boschbouw-Tijdschr. 17: 292. Oct. 1945. 99.8 N28
- 8286 LICHY, R. Documents pour servir à l'étude des lépidoptères de Venezuela. (2<sup>e</sup>. Note.) Sur un cas d'adaptation à un nouveau régime alimentaire chez *Terias gratioia* D.-H. (fam. Pieridae). B. de Ent. Venezol. 3: 193-194. Dec. 30, 1944. 421 B63
- 8287 LICHY, R. Documents pour servir à l'étude des Sphingidae de Venezuela (Lépid. Hétér.) IV-VI. B. de Ent. Venezol. 3: 57-63, 119-124, 195-202. Apr. 30, Sept. 30, Dec. 30, 1944. 421 B63
- 8288 LOWE, L. L. Tests indicate DDT effective on corn borer [*Pyrausta nubilalis*]. Seed World 58 (7): 42. Oct. 5, 1945. 61.8 Se52
- 8289 MAY, E. As borboletas [Lepidoptera] do Museu Nacional. Chacaras e Quintais 72: 304. Sept. 15, 1945. 9.2 C34



## ORTHOPTERA

8290 NAUDE, T. J. Be prepared! The army worm [*Laphygma eximpta*], season is at hand. Farmer [Pietermaritzburg] 34(39): 19. Sept. 28, 1945. 24 F227

8291 NAUDE, T. J. Control of the maize stalk borer [*Busseola fusca*]. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 171, 2 p. Pretoria, 1945. 24 So82Pa

8292 NAUDE, T. J. Maize stalk borer [*Busseola fusca*]. Farmer [Pietermaritzburg] 34(41): 9. Oct. 12, 1945. 24 F227

8293 PORTER, B. A. The codling moth [*Carpocapsa pomonella*]. Smithsn. Inst. Ann. Rpt. 1944: 347-355. 1945. 500 Sm6R

Biology and control.

8294 PORTER, B. A. Codling moth [*Carpocapsa pomonella*], control. Iowa State Hort. Soc. Trans. (1944) 79: 107-111. 81 Io9

Discussion, p. 111-116.

8295 PORTER, B. A. Developments in insecticides for codling moth [*Carpocapsa pomonella*], control. Iowa State Hort. Soc. Trans. (1944) 79: 89-93. 81 Io9

Discussion, p. 93-96.

8296 RAKSHPAL, R. Citrus fruit sucking moths [*Ophideres* spp.; *Achaea janata*], and their control. Indian Farming 6: 441-443. Oct. 1945. 22 In283

8297 RAU, P. The yucca plant, *Yucca filamentosa*, and the yucca moth, *Tegeticula (Pronuba) yuccaella* Riley: an ecologico-behavior study. Mo. Bot. Gard. Ann. 32: 373-394. Nov. 1945. 451 M69

8298 SEVASTOPULO, D. G. A March afternoon's collecting in Calcutta. Ent. Rec. and J. Variation 57: 110-114. Oct. 1945. 421 En89

Lepidoptera.

8299 SHARMA, G. R., and MAHINDRA, L. R. Control of spotted bollworm [*Earias* spp.] of cotton in Sind. Indian Farming 6: 465-466. Oct. 1945. 22 In283

8300 SNAPP, O. I. Propylene dichloride for peachtree borer [*Sanninoidea exitiosa*], control: Second report. J. Econ. Ent. 38: 419-422. Aug. 1945. 421 J822

8301 SONTAKAY, K. R. The bark-eating borer [*In-darbela quadrinotata*], of orange. Indian Farming 6: 74-75. Feb. 1945. 22 In283

8302 STARK, A. Poor pest control is expensive. Utah Farmer 65(6): 17. Oct. 25, 1945. 6 D45

Control of *Carpocapsa pomonella*.

8303 TAUBER, O. E., and BRUCE, W. N. Preliminary studies on starvation of first instar European corn borer larvae (*Pyrausta nubilalis*). Iowa State Col. J. Sci. 20: 53-55. Oct. 1945. 470 Io9

8304 TURNER, A. J. Revision of Australian Lepidoptera. Oecophoridae. XII. Linn. Soc. N. S. Wales. Proc. 69: 253-273. Dec. 15, 1944. 514 Sy2

Includes n. spp. in: *Antipolia*; *Philobota* 63.

8305 TURNER, H. J. The British Noctuae [i. e. *Phalaenidae*] and their varieties. Ent. Rec. and J. Variation 57(10, sup.): 201-204. Oct. 1945. 421 En89

8306 WIESMANN, R. Untersuchungen über neue köderflüssigkeiten zur kontrolle des traubenwicklerfluges [*Glysia ambigua*]. Landw. Jahrb. der Schweiz 58: 841-864. 1944. Ref. 17 L23

8307 WILKS, R. L. Some notes on the Macrolepidoptera of Islay. Entomologist 78: 161-165. Nov. 1945. 421 En8

8308 WILLIAMS, C. B. Recent light trap catches on Lepidoptera in U. S. A. analysed in relation to the logarithmic series and the index of diversity. Ent. Soc. Amer. Ann. 38: 357-364. Sept. 1945. 420 En82

8309 WYKES, N. G. *Pontia daplidice* and *Colias hyale* in the Isle of Thanet. Entomologist 78: 172-173. Nov. 1945. 421 En8

See also Sericulture and the Silkworm.

8310 AIRY SHAW, H. K. "Song" of *Nemobius sylvestris* F. (Orth., Gryllidae). Ent. Monthly Mag. 81: 252. Nov. 1945. 421 En86

8311 BOTTINER, L. J. Roach rearing and testing. Soap and Sanit. Chem. 21(12): 151, 153, 155, 157, 159, Dec. 1945. Ref. 307.8 Sol2

Reaction to household sprays.

8312 DESCHAPELLES, J. B. La cucaracha. Cuba. Min. de Agr. Rev. (ser. 4) 28(3): 25, 32. July/Sept. 1945. 8 Ag88Re

8313 HAAS, F. Collective mimicry. Ecology 26: 412-413. Oct. 1945. 410 Ec7

Collective imitation of caterpillars by grasshopper nymphs.

8314 HAZARD, F. O. Modifications of the liquid roach method. Soap and Sanit. Chem. 21(12): 159, 167. Dec. 1945. 307.8 Sol2

Evaluation of sprays.

8315 HEBARD, M. The Orthoptera of the Appalachian Mountains in the vicinity of Hot Springs, Virginia, and notes on other Appalachian species and recent extensions of the known range of still other southeastern species. Amer. Ent. Soc. Trans. 71: 77-97. Sept. 1945. 420 P53

8316 JELLISON, W. L. Cryptic resemblance in *Sathrophyllia rugosa* (L.). Ent. Soc. Amer. Ann. 38: 412-413. Sept. 1945. 420 En82

8317 LIZER Y TRELLES, C. A. La aviación y la langosta. Res 13: 17878-17879. Aug. 20, 1945. 286.85 R31

8318 PAULL, L. F. Some observations on preferential rations of locusts. Green Thumb 2(6): 19. Nov./Dec. 1945. 80 O82

8319 ROONMAL, M. L. Notes on the bionomics of *Hieroglyphus nigrorepletus*, Bolivar (Orthoptera, Acrididae) at Benares, United Provinces, India. B. Ent. Res. 36: 339-341. Nov. 1945. 421 B87

8320 TRINCHIERI, G. Third contribution to the locust bibliography. Internatl. Inst. Agr. Internatl. Rev. Agr. 35(9/10): 72M-80M. (Cont.) Sept./Oct. 1944. 241 In82A

8321 UVAROV, B. P. The locust plague. Smithsn. Inst. Ann. Rpt. 1944: 331-346. 1945. 500 Sm6R

## SERICULTURE AND THE SILKWORM

8322 BOUNHIOL, J. J. La retention, expérimentalement provoquée, dans les tubes de Malpighi en-trave la nymphose des chenilles du *Bombyx mori* L. Paris. Acad. des Sci. Compt. Rend. 220(1): 64-65. Jan. 3, 1945. 505 P21

8323 GRATIA, A., JEENER, R., and BRACHET, J. Teneur en acides nucléiques des granules extraits par ultracentrifugation des tissus de vers à soie [*Bombyx mori*] normaux et de vers à soie atteints de la grasserie. Soc. de Biol. Compt. Rend. 139: 76-77. Jan. 1945. 442.9 P21

8324 STUDENIC, H. Barbacena, berço da sericultura no Brasil. Campo [Rio de Janeiro] 16(188): 33-38. Aug. 1945. 9.2 C15

8325 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. TEXTILES UNIT. Will we import more Brazil-produced silk? Foreign Com. Weekly 21(7): 10-11, 54-55. Nov. 10, 1945. 157.54 F763

## SMALLER ORDERS

8326 ARVY, L., and LHOSTE, J. Le milieu intérieur chez *Porfucula auricularia* L. adulte. Soc. Zool. de France, B. 69: 230-235. Nov./Dec. 1944, pub. July 7, 1945. Ref. 410.9 P214B

## AGRICULTURAL ENGINEERING

## GENERAL

- 8327 BANKS, N. Neuroptera of northern South America. Pt. III. B. de Ent. Venezol. 3: 1-34. Apr. 30, 1944. 421 B63  
Spanish summary.  
Includes n. spp. and forms in: *Chrysopa* 7; *Nodita* 9; *Leucochrysa*; *Gonzaga*. *Chrysopa* aricles given as n. n. for *C. binaria*.
- 8328 COLE, L. C. The effect of temperature on the sex ratio of *Xenopsylla cheopis* recovered from live rats. Pub. Health Rpts. 60: 1337-1342. Nov. 9, 1945. Ref. 151.65 P36
- 8329 DAGGY, R. H. New species and previously undescribed naiads of some Minnesota mayflies (Ephemeroptera [i. e. Ephemeridae]). Ent. Soc. Amer. Ann. 38: 373-396. Sept. 1945. 420 En82  
Includes n. spp. in: *Stenonema* 2; *Rhithrogena*; *Callibaetis*; *Centropetium*; *Pseudocloeon* 4.
- 8330 GAINON, G. B. An experiment on thrip [*Taeniothrips simplex*] control. Iowa State Hort. Soc. Trans. (1944) 79: 202-203. 81 I69
- 8331 HORREX, A. J. D.D.T. for thrips [*Taeniothrips simplex*] control in gladioli. Austral. Gard. Lover 21(6): 15, 17. Sept. 1945. 80 G1615
- 8332 LAIDLAW, F. F. Dragonflies (Odonata). Beekeeping 11: 135-137. Nov. 1945. 424.8 B3991
- 8333 PAULIAN, R., and SERFATY, A. Le rythme nyctéméral des larves d'*Aeschnes* [*Aeschna* spp.]. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 16: 442-447. Nov. 1944. 410.9 P213
- 8334 POLLARD, J. Ghost worlds of the north. Walkabout 11(12): 15-16. Oct. 1, 1945. 331.8 W15  
Termitaries of northern Australia.
- 8335 SERFATY, A., and PAULIAN, R. Caractère du rythme nyctéméral des larves d'*Aeschnes* [*Aeschna*]. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2): 176-178. Feb. 1945. 410.9 P213
- 8336 SMITH, A. J. The control of citrus thrips [*Scirtothrips citri*]; effect of time of application and number of applications on the control of this pest in the Western Transvaal. Citrus Grower, No. 141, p. 11. Oct. 29, 1945. 80 C495  
Use of sulfur dust.
- 8337 TOWNES, H. K. A list of the generic and subgeneric names of Dermaptera, with their genotypes. Ent. Soc. Amer. Ann. 38: 343-356. Sept. 1945. 420 En82
- 8338 TULENKO, P. Q. Hellgramites, a sure-fire and little-known natural bait. Pa. Angler 14(11): 4. Nov. 1945. 410 P382
- Anoplura and Mallophaga
- 8339 BOUVIER, G. De l'hémophilie de quelques mallophages des animaux domestiques. Schweiz. Arch. f. Tierheilk. 87: 429-434. Oct. 1945. Ref. 41.8 Sch9
- 8340 CARRIKER, M. A., JR. Studies in Neotropical Mallophaga -- No. IV. New genera and species. B. de Ent. Venezol. 3: 65-104. June 30, 1944. 421 B63  
New spp. in: *Machaerilaemus* 8; *Passonomedeia* n. g.; *Furnaricola* n. g. 8; *Parricola*; *Quadracens* 2.
- 8341 CHUNG, H. L. On the susceptibility of *Phthirus pubis* to infection with typhus virus. Chinese Med. J. 62: 331-333. Oct./Dec. 1944. Ref. 448.8 C44
- 8342 FREIRE, J. J. *Solenopotes capillatus* (Enderlein 1904) em bovinos do Rio Grande. Rio Grande do Sul. Dir. da Prod. Anim. B. 1(1): 2-7. Jan./June 1945. 49.9 R47
- 8343 GREAVES, F. C., GEZON, H. M., and ALSTON, W. F. Studies on louse-borne relapsing fever in Tunisia. U. S. Bur. Med. and Surg. U. S. Nav. Med. B. 45: 1029-1048. Dec. 1945. Ref. 153.45 Un3  
Includes control of lice with 10 percent DDT powder.
- 8344 ORTIZ-MARIOTTE, C., MALO-JUVERA, F., and PAYNE, G. C. Control of typhus fever in Mexican villages and rural populations through the use of DDT. Amer. J. Pub. Health 35: 1191-1195. Nov. 1945. 449.9 Am3J  
Describes delousing program.
- 8345 BOWMAN, H. O. The "stand-off" fence. Cattleman 32(7): 56. Dec. 1945. 49 C29  
To prevent injury to horses.
- 8346 CROZER, W. C. Saving farm labor. Farm Safety Rev. 3(6): 6-7, 13-14. Nov./Dec. 1945. 449.8 F22  
Accident prevention.
- 8347 FISHER, J. Layout of the farm; planning and organization. Farmer [Pietermaritzburg] 34(40): 8. Oct. 5, 1945. 24 F227
- 8348 GÓMEZ, M. D. Nociones de agrimensura. Rancho 1(1): 11. Oct. 1945. 8 R15R
- 8349 HAMILTON, C. L. Danger, 7500 volts. Successful Farming 43(12): 31, 64-65. Dec. 1945. 6 Su12  
Safety in the use of electricity on the farm.
- 8350 HAZEN, L. E. Good roads should start at the farm. Farmer-Stockman 58: 460. Dec. 1945. 6 Ok45
- 8351 KINTZLEY, W. P. A practical and inexpensive irrigation headgate frame that is easy to make. Colo. Farm B. [Colo. Sta.] 7(5): 8-9. Sept./Oct. 1945. 100 C71S
- 8352 LUNSDEN, J. Electricity commands respect - especially in a fence. Farmer [Pietermaritzburg] 34(38): 12. Sept. 21, 1945. 24 F227
- 8353 MILLEN, T. W. Electric fences. Indian Farming 6: 413-414. Sept. 1945. 22 In283
- 8354 PORTER, J. P. Garden walks of flatstone. Mich. Hort. Soc. Hort. News 11: 117. Nov. 1945. 80 H7815
- 8355 SULLIVANT, O. Here are roads farmers need in Oklahoma. Farmer-Stockman 58: 465. Dec. 1945. 6 Ok45
- FARM MACHINERY
- General
- 8356 BETTER tools and less labor for the farmer. Farmers Guide 101(23): 1, 10. Dec. 1, 1945. 6 In2
- 8357 BROOKS, F. A. Forces and pole-whipping in tent-pulling machines. Calif. Citrog. 31: 42, 50-54. Dec. 1945. 80 C125  
Equipment used in fumigating fruit trees.
- 8358 CARON, L. Le problème de l'achat des machines aratoires tel qu'il se pose aujourd'hui au cultivateur. Terre de Chez Nous 18(6): 5, 24. Nov. 7, 1945. 7 T27
- 8359 GARCÍA FERNÁNDEZ, J. Economía agrícola. El motocultivo y sus gastos de explotación en Andalucía. II. El corte de producción del trigo. Agricultura [Madrid] 14: 449-455. Sept. 1945. 15 Ag84
- 8360 HÅKANSSON, R. Maskindagar på Askham Bryan; ett jordbrukstekniskt institut leder mekaniseringen i England [Machinery days at Askham Bryan; agricultural engineering institute leads mechanization in England]. Lantmannen 29: 980-981. Nov. 3, 1945. 11 L234  
Description of the National Institute of Agricultural Engineering at Askham Bryan, and of equipment exhibited during machinery week.
- 8361 HAMILTON, C. L. Pitch-forks are dangerous! Farm Safety Rev. 3(6): 8-10. Nov./Dec. 1945. 449.8 F22
- 8362 HINE, H. J. Full life from synthetic rubber; synthetic rubber is playing a big part in many ways on the farm. Farmer & Stock-Breeder 59: 1772. Nov. 6, 1945. 10 F228
- 8363 HORTON, R. E. Fully mechanized farming on the agronomic unit basis. Soil Sci. Soc. Amer. Proc. (1944) 9: 225-232. 1945. 56.9 So3



8364 KNOCH, H. G. The bow saw makes its bow. Farm and Ranch 64(11): 24. Nov. 1945. 6 T31

8365 LACHMAN, W. H. Some notes on the mechanics of applying selective herbicides to vegetable crops. Amer. Soc. Hort. Sci. Proc. 46: 323-328. Aug. 1945. 81 S012

8366 LEES, A. B. Repairs while you wait. Farmer & Stock-Breeder 59: 1756. Nov. 6, 1945. 10 F228

How a Hampshire nurseryman and farmer built and equipped an implement repair shop.

8367 LIVINGSTON, B. Farm machines of yesterday, today, tomorrow. Fla. Grower 53(12): 7, 9-10. Dec. 1945. 80 F6622

International Harvester's equipment show.

8368 MCCALLUM, R. D. Agricultural machinery pools. So. Austral. Dept. Agr. J. 49: 80-81. Sept. 1945. 23 S084

8369 POZO PELAYO, C. DEL. Consideraciones sobre el modo de uncir el ganado vacuno de labor. Surco [Madrid] 4(41): 6-7. July 1945. 15 S47

8370 ROOME, C. A. Why the wheelbarrow. Farmer & Stock-Breeder 59: 1920. Nov. 27, 1945. 10 F228

Plea for modernization.

8371 RUDD, M. The war and farm mechanisation. Farm Econ., No. 10, p. 2. Autumn 1945. 281.9 S003F Great Britain.

8372 SANTELICES, J. M. Precauciones para guardar y conservar la maquinaria agrícola. Campo [Buenos Aires] 29(346): 44-45. Aug. 1945. 9 C15

8373 SHAWL, R. I. Using power and equipment. Amer. Poultry J. 76(12): 54. Dec. 1945. 47.8 Am32

8374 THOMAS, G. Peace-time pea growing; war-boosted industry continues; mechanisation at Werribee. Country Life [Sydney] 57(16): 18. Oct. 19, 1945. 286.85 Sy2

8375 TREASTER, W. L. Modern machinery fits orchard conservation. Furrow, San Fr. - F [Ed.], 50: 4, 12. Nov./Dec. 1945. 6 F98

8376 TUCKER, M. S. The job ahead for manufacturers [of farm equipment]. Farm Impl. News 66 (23): 38-39. Nov. 8, 1945. 58.8 F22  
Also in Impl. and Tractor 60(23): 36, 67-68. Nov. 17, 1945. 58.8 W41

8377 W., W. F. A grain flowmeter. Agr. Engin. Rec., Autumn 1945, p. 21-22. 58.8 Ag84

8378 WRIGHT, S. J. Small farm mechanisation; simpler machines will not solve all the problems. Farmers Weekly [London] 23(23): 20. Dec. 7, 1945. 10 F2226

#### Tillage Machinery

8379 BELL, L. J. The job of the cultivator. The existing implement has certain weak points... This article suggests modifications in design which should make for better working. Farmers Weekly [London] 23(21): 34. Nov. 23, 1945. 10 F2226

8380 G., M. C. Double-action plow demonstrated. Pa. Farmer 133: 292. Nov. 24, 1945. 6 P383

8381 GRÖNE, L. Förslag till svensk standard för harvar med fjädrande pinnar [Proposal for Swedish standard for spring-tooth harrows]. Lantmannen 29: 982-983. Nov. 3, 1945. 11 L234

8382 H., J. C. A coulter for ploughing-in straw. Agr. Engin. Rec., Autumn 1945, p. 24-25. 58.8 Ag84

8383 REED, I. F. Some factors affecting design of tillage machinery and proposed approach to their evaluation. Soil Sci. Soc. Amer. Proc. (1944) 9: 233-235. 1945. Ref. 56.9 S03

8384 THOMASMEYER, H. I. Why "chilled iron" is tough. Furrow, San Fr. - F [Ed.], 50: 5, 13. Nov./Dec. 1945. 6 F98  
Flowsares.

8385 TRACTOR ploughs and ploughing. North. Ireland. Min. Agr. Monthly Rpt. 20: 203-206. Nov. 1945. 256.13 Ag82M

#### Planting Machines and Fertilizer Distributors

8386 GRAHAM, E. H. Use of aircraft may be possible for seeding, topdressing on larger areas. Farmer and Settler 40(41): 16. Nov. 9, 1945. 23 F226

8387 GRIFFITHS, A. E., KESWICK, R. C., and FINCH, A. H. A two-bed machine for the band-placement of fertilizer and the seeding of row crops on irrigated beds. Amer. Soc. Hort. Sci. Proc. 46: 376-340. Aug. 1945. 81 S012

8388 KRUGLIAKOV, M. L. O priëmakh mekhanizirovannogo vneseniia udobrenii [Concerning methods of mechanized application of fertilizers]. Vsesoiuzn. Nauch. Issled. Inst. Udobr. i Agropochv. im. K. K. Gedroitsa. Nauch. Otechët 1941/1942: 109-123. 1944. 106 M8525

#### Harvesting, Threshing, Drying, and Processing Equipment

8389 B., J. Experiments on sugar-beet harvesting. Agr. Engin. Rec., Autumn 1945, p. 14-18. 58.8 Ag84

8390 B., J. An offset potato digger. Agr. Engin. Rec., Autumn 1945, p. 26. 58.8 Ag84

8391 BERTONE, E. Zippered bag in use at Colorado College. Natl. Wool Grower 35(11): 23. Nov. 1945. 45.8 N21N

For wool samples.

8392 BIFFEN, W. Now comes the threshing; it calls for good team work. Smallholder 74(1860): 16. Nov. 9, 1945. 10 Sml  
Equipment.

8393 BLODGETT, E. C., and KENKNIGHT, G. A practical hot water seed treater. Seed World 58(8): 8-10. Oct. 19, 1945. 61.8 S052

8394 BUTLER, E. Chopping cotton with fire - burning the grass out of the fields. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(12): 14, 74. Dec. 1945. 6 P945G

8395 C., W. H. Grain losses with the combine harvester. Agr. Engin. Rec., Autumn 1945, p. 10-14. 58.8 Ag84

8396 CAMPBELL, J. C. Ingenious potato combine. Hints to Potato Growers 26(7): 1-3. Nov. 1945. 75.9 H59

8397 CARTER, K. Lancaster farmer builds self-powered corn picker. Nebr. Farmer 87(24): 16. Dec. 15, 1945. 6 N27

8398 CARTER, R. A. A review of the Carter clarifier. So. African Sugar Technol. Assoc. Proc. (1945) 19: 37-38. 65.9 S083

8399 COLSTON, R. How to advise buying home frozen food lockers. Better Farming Methods 18(8, i.e. 2): 24, 27. Nov./Dec. 1945. 58.8 B46

8400 COMIN, D., JUNNILA, W., and PATTON, M. B. The development and operation of home and institutional food dehydrators. Ohio Agr. Expt. Sta. Bimo. B. 30: 132-147. July/Aug. 1945. 100 Oh3S

8401 DAHLBERG, A. C. Las ventajas del ordeño mecanico. Res 13: 17841-17842. Aug. 20, 1945. 286.85 R31

8402 DAVIES, R., FIDLER, J. C., and GANE, R. Gas-packing in rectangular tins. Food Manufacture 20: 430-434. Dec. 1945. 389.8 F736

8403 DICKEY, J. B. R. Better hay with less labor. Pa. Farmer 133: 254-255. Nov. 10, 1945. 6 P383

Barn dryer.

8404 DUNKER, C. F., HANKINS, O. G., and BENNETT, O. L. Producing dehydrated meats by vacuum-rotary, plate-vacuum, and kettle-cabinet methods. Food Res. 10: 445-456. Sept./Oct. 1945. 389.8 F7322

- 8405 ECKLEY, M. O. How to set up the DHIA testing laboratory; efficient equipment required to conduct best program. *Better Farming Methods* 18 (8, 1. e. 2): 11, 29. Nov./Dec. 1945. 58.8 B46
- 8406 GOUGLER, F. A. What'll you have...in your new home freezer? *Ill. Agr. Assoc. Rec.* 23 (10): 12-13. Nov. 1945. 6 IL62
- 8407 HILL, R. A. Short-time pasteurization; temperature control by use of instruments. *Food [London]* 14: 312-314. Dec. 1945. 389.8 F738  
Milk-plant equipment and methods.
- 8408 HORST, S. L. Pennsylvania farmers build chicken pickers. *Elect. on the Farm* 18(10): 7, 23. Dec. 1945. 335.8 EL27
- 8409 KLEIN, G. T. Modern refrigeration brings new day in turkey marketing; opens new opportunities for merchandising. *Turkey World* 20(11): 10-11, 94-96. Nov. 1945. 47.58 T64
- 8410 LEES, A. B. Cheaper grain handling and drying. N.I.A.E. midget drier - air used for combined winnowing and conveying - automatic sacking cut-off. *Farmer & Stock-Breeder* 59: 1678. Oct. 23, 1945. 10 F228
- 8411 LEES, A. B. Simple beet harvesting; Warwickshire farmer tops with hoes in front of combined lifter and loader. *Farmer & Stock-Breeder* 59: 1709. Oct. 30, 1945. 10 F228
- 8412 MCNEELY, M. Thomson Machinery Company builds efficiency aids. *Sugar J.* 8(6): 20, 22. Nov. 1945. 65.8 Su291
- 8413 MOHRMAN, C. M. Small bottling equipment using vacuum principle. *Gleanings Bee Cult.* 73: 494-495. Dec. 1945. 424.8 G47  
To pack honey in glass.
- 8414 MURRAY, J. A. Machine will strip ramie. Clermont, Florida, man devises way to separate fiber from gummy substance that surrounds it. *Amer. Eagle* 40(34): 1, 3. Dec. 13, 1945. 6 Am327
- 8415 NICHOLAS, J. E. Winter care of milk cooler. *Hoard's Dairyman* 90: 751. Dec. 25, 1945. 44.8 H65
- 8416 NOEL, W. A., and others. Processing equipment used in emergency meat dehydration research by United States Department of Agriculture. *Food Res.* 10: 379-391. Sept/Oct. 1945. 389.8 F7322  
W. E. Gray, O. G. Hankins, and R. S. Hollingshead, joint authors.
- 8417 POOLE, F. K. Streamlined poultry dressing. *U. S. Egg & Poultry Mag.* 51: 470-472. Oct. 1945. 286.85 Eg3  
Modern automatic equipment.
- 8418 REVOLUTION in sugar beets; mechanization of entire growing process within five years is objective of industry in drive for self-sufficiency. *Business Week*, No. 849, p. 50. Dec. 8, 1945. 280.8 Sy8
- 8419 RICE, E. S. Provender milling. Percussion grinders. *Milling* 105: 358. Nov. 17, 1945. 298.8 M622
- 8420 RICE, E. S. Provender milling. Preliminary cleaning machinery. *Milling* 105: 148, 150. Sept. 1, 1945. 298.8 M622
- 8421 SANTELICES L., J. M. Maquinas modernas para cosecha de pasto. *Campesino [Santiago]* 77: 526-527. Oct. 1945. 9.3 Sol2
- 8422 SESHACHARYULU, E. V. Cleaning of dairy utensils. *Indian Farming* 6: 367-368. Aug. 1945. 22 In283
- 8423 STREET, A. G. "The enthusiast is always wrong." A. G. Street reviews Mr. J. R. Warburton's recent eulogy of windrow combining. *Farmers Weekly [London]* 23(23): 31. Dec. 7, 1945. 10 F2226
- 8424 THOMSEN, L. C. Changing creamery equipment in the post war period. *Milk Plant Monthly* 34(11): 71. Nov. 1945. 44.8 C864
- 8425 TIPTON, B. Stoneville reports on mechanized cotton production. *Acco Press* 23(11): 1-4. Nov. 1945. 6 Ac2
- 8426 TREBLER, H. A. The newer dairy cleaners. *Dairy World* 24(6): 36, 38. Nov. 1945. 44.8 DL423
- 8427 TREBLER, H. A. Waste saving by improvement in milk plant equipment. *Indus. Waste Util. Conf. Proc.* (1944) 1: 6-21. 381 In2
- 8428 AN UNORTHODOX potato harvester. *Farm Impl. & Mach. Rev.* 71: 650-651. Dec. 1, 1945. 58.8 Im72
- 8429 VOSKAMP, MRS. J. B. Ginning pioneers turn to improved equipment. *Cotton and Cotton Oil Press* 46(23): 5. Nov. 17, 1945. 304.8 C822
- 8430 WAND, P. Lös kärna i halmen. Felsökning vid dålig ursäkning [Loose kernels in the straw. Losses through insufficient shaking]. *Lantmannen* 29: 829-830. Sept. 15, 1945. 11 L234  
Threshing equipment.
- 8431 WARBURTON, J. R. "No more direct combining for me." *Farmers Weekly [London]*, 23(21): 35. Nov. 23, 1945. 10 F2226  
A defense of the "windrow method."

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

- 8432 CRADOCK, T. H. "A. F. P." and your tractor. *Farmers Weekly [London]* 23(20): 35. Nov. 16, 1945. 10 F2226  
Antifrost precautions.
- 8433 ENGINE, S. A. Work done by horses and tractors. *Minn. U. Agr. Ext. Farm Business Notes*, No. 275, p. 3. Nov. 27, 1945. 275.29 M663  
Statistics from Nicollet County, Minn.
- 8434 MCCUEN, G. W. The Ohio power take-off dynamometer and its use for power studies. *Ohio Agr. Expt. Sta. Bimo. B.* 30: 119-123. July/Aug. 1945. 100 Oh3S
- 8435 NANKIVELL, H. J. Power farming and tractor management. *So. Austral. Dept. Agr. J.* 49: 84-86. Sept. 1945. 23 So84
- 8436 NEW WHEELS and a drawbar for the "Fordson Major." *Farm Impl. & Mach. Rev.* 71: 647-648. Dec. 1, 1945. 58.8 Im72
- 8437 SHUMAKOV, A. Pereobrodovanie avtomashiny "ZIS-5" [Conversion of automobile "ZIS-5"]. *Sovkhoz. Proizvod.* 5(7): 45-46. July 1945. 20 So85  
For transporting loads.
- 8438 SLEMMONS, C. O. Rubber tracks for agriculture. *S. A. E. [Soc. Automotive Engin.] J.* 53: 713-718. Dec. 1945. 291.9 Sol
- 8439 WITNEY, D. Tractor costs in the East of Scotland, 1944-45. *Farm Econ.*, No. 10, p. 7-8. Autumn 1945. 281.9 Sco3F

#### FARM STRUCTURES

##### General

- 8440 BURROUGHS, R. J. Farmers' cooperative construction service. *Land Policy Rev.* 8(4): 16-21. Winter 1945. 1 Ec7La
- 8441 DODSON, C. M. Build so it adds to farm value. *New England Homestead* 118(23): 12. Dec. 8, 1945. 6 N442  
Suggestions on construction and repairs.

##### Farmhouses

- 8442 BELTRÁN, P. P. Casa propia para cada familia colombiana. *Vida Rural* 7(73): 5. Aug. 1945. 9.4 V66
- 8443 BUNNING, W. Conditions for serviceman's home. *Country Life [Sydney]* 57(16): 16. Oct. 19, 1945. 286.85 Sy2
- 8444 BUNNING, W. Considering the kitchen in a serviceman's home. *Country Life [Sydney]* 57(20): 13. Nov. 16, 1945. 286.85 Sy2



8445 BUNNING, W. Country homes; plan for informal living. Country Life [Sydney] 57(12): 16. Sept. 12, 1945. 286.85 Sy2

8446 BUNNING, W. Here's a serviceman's house. Country Life [Sydney] 17(17): 13. Oct. 26, 1945. 286.85 Sy2

8447 CARTER, D. G. How to remodel a house. Capper's Farmer 56(12): 12, 34. Dec. 1945. 6 M693

8448 CASA en estilo californiano para los territorios del norte. Chacra 15(180): 52-53. Oct. 1945. 9 C34  
Argentina.

8449 FITZSIMMONS, C., and PERKINS, M. L. Fifty farm kitchens. J. Home Econ. 37: 567-570. Nov. 1945. 321.8 J82

8450 FOSTER, W. S. A home from a two-room shack. Farm and Ranch 64(12): 33. Dec. 1945. 6 T31

Adobe construction.

8451 ONE HUNDRED hours to build; pre-cast concrete bungalows may help rural housing. Farmers Weekly [London] 23(23): 22. Dec. 7, 1945. 10 F2226

8452 OXNER, B. G. Interest in rural housing increases. Manitoba Co-op. 3(8): 6. Nov. 15, 1945. 280.28 M31

8453 A RANCH house at Stevens Point, Wisconsin. Amer. Builder and Bldg. Age 67(11): 82-83. Nov. 1945. 296.8 Am3

8454 RENSCHAW, B. Packaged houses; homes are built in one day at half the usual cost with no mess, waiting or leftovers. Prairie Farmer, Gen. Ed. 117 (25): 27. Dec. 8, 1945. 6 P883

#### Service Buildings

8455 ALEXANDER, A. K. S. The care of appliances. Poultry houses and implements are flimsy compared with most other farm equipment, yet they usually have to endure strain at least as severe. Farmer & Stock-Breeder 59: 1920. Nov. 27, 1945. 10 F228

8456 BALDRIDGE, H. Housing hints; central and individual houses should supplement each other. Hog Breeder 20(12): 6, 14A. Dec. 1945. 46.8 H672

8457 BENSON, T. A. Heating the poultry house. Canad. Countryman 34(25): 26. Dec. 8, 1945. 7 C833

8458 BIRTWISTLE, V. Winter duck housing. Mod. Poultry Keeping 53: 358. Nov. 14, 1945. 47.8 Eg3

8459 BLACKWELL, H. L. Semi-intensive houses. Mod. Poultry Keeping 53: 379. Nov. 21, 1945. 47.8 Eg3

8460 BROWN, E. I. Something new in citrus packing plants. Calif. Citrog. 31: 39. Dec. 1945. 80 C125

Visalia Citrus Association.

8461 C., H. Span roofs; better ventilation. Mod. Poultry Keeping 53: 318. Oct. 31, 1945. 47.8 Eg3

8462 CARLSSON, P. G. Høghus eller låghus? [High-house or low-house?]. Lantmannen 29: 825-826. Sept. 15, 1945. 11 L234

Construction of low-house type of barn.

8463 COLLINS, H. Use glass and earthenware for battery hygiene. Poultry Farmer [London] 113(2943): 7. Nov. 16, 1945. 47.8 F312

8464 COLLINSON, H. House of many virtues. Mod. Poultry Keeping 53: 321. Oct. 31, 1945. 47.8 Eg3

8465 COLLINSON, H. Incubators need a rest period. Mod. Poultry Keeping 53: 353. Nov. 14, 1945. 47.8 Eg3

8466 CONDON, W. M. Merle Bantock houses 8,000 chickens under single roof. Poultry Supply Dealer 22(11): 28-29. Nov. 1945. 47.8 B11

8467 CORLETT, D. Once more unto the dump, dear friends. Poultry Farmer [London] 113(2942): 6-7. Nov. 9, 1945. 47.8 F312

Building poultry houses from scrap materials.

8468 ESCAURIAZA, R. DE. Jaulas de cría para cluecas. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(49): 29-30. Sept. 1945. 8 R3291

8469 FAULKNER, R. P. Big step forward with electric hot-beds: cost = 2d. per lettuce for current and apparatus. Smallholder 74(1863): 10-11. Nov. 30, 1945. 10 Sml

8470 FRASIER, F. W. Improper housing of poultry; means lower production. Wash. Farmer 70, i.e. 80:684. Dec. 20, 1945. 6 R151

8471 GOODMAN, A. M. A breeding stall. Hoard's Dairyman 90: 716. Dec. 10, 1945. 44.8 H65

8472 GORDON, M. D. The care of rabbit hutches. Field 186: 429. Oct. 27, 1945. 10 F45

8473 GREEVES-CARPENTER, C. F. Streamlining poultry...one man's idea of the house of the future. Amer. Poultry J. 76(11): 26, 28. Nov. 1945. 47.8 Am32

8474 HAPVEY, R. G. Ventilation of a small hen house. Elect. on the Farm 18(10): 11. Dec. 1945. 335.8 EL27

8475 HECKSTALL-SMITH, H. Case against permanent pens - 2. Why a closed shop? Poultry Farmer [London] 113(2946): 3. (Cont.) Dec. 7, 1945. 47.8 F312

8476 JOHNSON, A. D. Heating the garden frame by electricity. - I. Pop. Gard. 47: 309. Nov. 24, 1945. 80 G1622

8477 KALBER, S. K. Steam coils and electric heaters. Smith's Chickagrams 14(9): 2. Sept. 1945. 47.8 Sp6

For incubators.

8478 LATIMER, R. Portable "DDT rig" cuts disinfecting time in milk plants, dairy barns. Milk Dealer 35(2): 50. Nov. 1945. 44.8 M595

8479 MOORE, E. N. Proper incubator fumigation to reduce diseases. Peninsula Broiler J. 5(15): 1-2. Dec. 3, 1945. 47.8 P37

8480 NOBLE, D. B. Housing the Angora rabbit. Amer. Small Stock Farmer 30(3): 4. Dec. 1945. 48.8 J82

8481 P. Cold-frame plants need plenty of air. Pop. Gard. 47: 322. Dec. 8, 1945. 80 G1622

8482 RAUTHE, H. H. Florida Department of Agriculture develops milk plant plans. South. Dairy Prod. J. 38(6): 42-43. Dec. 1945. 44.8 S683

8483 SCHAFFHAUSEN, J. F. Building a farm smoke-house. Amer. Lumberman, No. 3322, p. 26-27. Nov. 24, 1945. 99.81 Am3

8484 SHATTUCK, D. M. How to light breeders. Turkey World 20(12): 22, 24. Dec. 1945. 47.58 T84

8485 SHEPPARD, W. N. I made my first rabbit hutches too small. Poultry Farmer [London] 113 (2943): 9. Nov. 16, 1945. 47.8 F312

8486 SOROA, J. M. DE. La habitación del ganado lanar. Surco [Madrid] 4(42): 7-13. Aug. 1945. 15 Su7

8487 STRUCKMAN, R. P. The busy season in farm shops is starting now. Mont. Farmer 33(6, i. e. 7): 1, 14. Dec. 1, 1945. 6 M764

8488 TAGGART, J. I. Engineered service for your "hatchery of the future." Hatchery Tribune 19(12): 14, 58-60. Dec. 1945. 47.8 H28

8489 THOMPSON, R. B. What makes a good poultry house. Farm and Ranch 64(11): 12-13. Nov. 1945. 6 T31

8490 VANDERVORT, J. Barn to laying house. Successful Farming 42(12): 53. Dec. 1945. 6 Su12

Remodeling of a small barn into a laying house.

8491 VICKERMAN, E. Stock can help in house ventilation. Poultry [London] 97: 361, 364. Dec. 4, 1945. 47.8 P869

8492 WITZ, R. L. Clothesline and walking plow used for barn cleaners. Two Michigan farmers use available materials for making inexpensive, gutter cleaners. *Elect. on the Farm* 18(10): 8-9, 18. Dec. 1945. 335.8 EL27

8493 WOLF, A. M. Paved feeding yards. *Successful Farming* 43(12): 51. Dec. 1945. 6 Sul2  
Gives specifications and cost. Useful for saving manure.

8494 WORTHINGTON, J. Improvements without betterment. The housing needs of a healthy poultry flock are elementary - shelter from wind, sun and marauders, dark nests, dust baths and fresh air: anything more is merely an additional expense without a proportionate return. *Farmers Weekly* [London] 23(23): 37. Dec. 7, 1945. 10 F2226

#### Storage Structures

8495 BOOTH, F. L. Manufacturing tanks and silos. *Wood-Worker* 64(10): 28, 30. Dec. 1945. (Madison Sub-Branch Lib.)

8496 C., W. H., and W., W. F. Grain bin ventilation. *Agr. Engin. Rec.*, Autumn 1945, p. 19-21. 58.8 Ag84

8497 GUNNESS, C. I. Apple storages for farms. *Nova Scotia Fruit Growers' Assoc. Ann. Rpt.* (1944) 81: 59-61, 63-64. 82 N85

8498 SIECOLA, J. J. Características que deben reunir los silos subterráneos. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 403. Oct. 18, 1945. 9.9 G15B

8499 VIVAS SÁNCHEZ, R. Proyecto de granero comunal con capacidad para 1000 sacos, según el plano que se acompaña. *Agr. Venezol.* 9(107/108): 4-7. Mar./Apr. 1945. 9.95 Ag6

#### Farm Utilities

8500 AUDETTE, S. L'Abitibi entend profiter de l'électrification rurale. L'U. C. G. diocésain forme des comités et les cercles passent de l'étude à l'organisation. *Terre de Chez Nous* 18(8): 1, 7. Nov. 21, 1945. 7 T27

8501 BERNARD, H. A. Twenty-five power-full years. *Successful Farming* 43(12): 29, 55, 62, 133. Dec. 1945. 6 Sul2

Electricity on the farm.

8502 BLANCHET, J. L'électrification rurale. IV-VII. *Terre de Chez Nous* 18(6): 9; (7): 9; (8): 9; (9): 9; (10): 7. Nov. 7, 14, 21, 28, Dec. 5, 1945. 7 T27

IV. Comment fonder une coopérative d'électricité. L'assemblée de fondation. V. Le financement des coopératives d'électricité. VI. L'installation à domicile. VII. Les coopératives d'électricité et les principes coopératifs.

8503 CRIPPS, H. R. The power - and the price. *Farmers Weekly* [London] 23(21): 32. Nov. 23, 1945. 10 F2226

Electricification in Great Britain.

8504 HASLETT, C. Rural electrification in Great Britain. *Rural Electr. News* 11(3): 8, 21. Nov. 1945. 173.2 R88Ru

8505 HEMKER, W. D. Farm electrification pays. *Milk Dealer* 35(2): 48, 124, 126-127. Nov. 1945. 44.8 M595

8506 KEITH, G. The way to a director's heart. *Rural Electr. News* 11(4): 8, 21-22. Dec. 1945. 173.2 R88Ru

Valley Rural Electric Cooperative, Huntingdon, Pa.

8507 KELLOGG, C. W. Rural electrification in U.S.A.: status and plans; only 1½ million farms still to be reached by power lines. *Edison Elect. Inst. B.* 13: 319-322. Nov. 1945. 335.8 Ed4

Formal statement by Kellogg, submitted to House of Representatives Committee on Interstate and Foreign Committee by G. C. Neff.

8508 KENNERLY, A. B. Electronics go to farms. *Farm and Ranch* 64(12): 31. Dec. 1945. 6 T31

8509 LAMBERT, R. J. Electricity boosts production. *Farm and Ranch* 64(12): 41. Dec. 1945. 6 T31

8510 MCHENRY, M. J. Rural electrification; development and post-war plans in Canada. *Engin. J.* 28: 703-706. Nov. 1945. 290.9 En3

8511 PERFORACIÓN de pozos; principales sistemas empleados en Norteamérica. *Cuba. Min. de Agr. Rev.* (ser. 4) 28(3): 18-24. July/Sept. 1945. 8 Ag88Re

8512 PEROVSKIĬ, R., and FLEKSER, I. A. Sovkhoznye gidroelektrostantsii [State farm hydroelectric stations]. *Sovkhoz. Proizvod.* 5(7): 40-45. July 1945. 20 So85

8513 SCHOLZ, H. J., and CRAFT, F. M. Joint line evolved for rural services; power and telephone engineers develop details for carrying 7.2-kv. multi-grounded power line and four rural telephone circuits on same 35-ft. poles. *Elect. World* 124(21): 76-78. Nov. 24, 1945. 335.8 EL2

8514 SCHOLZ, H. J., and CRAFT, F. M. Successful trial installation points way for joint use of poles in rural areas. *Edison Elect. Inst. B.* 13: 327-329. Nov. 1945. 335.8 Ed4

Power and telephone lines.

8515 THE STORY of six meters; Indiana farm test figures show electricity's economy. *Rural Electr. News* 11(3): 4-7, 16. Nov. 1945. 173.2 R88Ru

8516 STROHM, J. Let electricity do your work! Hired help is cheaper than hired help. *Prairie Farmer, Gen. Ed.* 117(24): 1, 46. Nov. 24, 1945. 6 P883

8517 SWARTZBURG, A. Cheap electricity for the farm; light for ten years from home-made water-power plant. *Farmer's Weekly* [Bloemfontein] 70: 302. Oct. 17, 1945. 24 F225

8518 WALLACE, MRS. F. C., and ROGERS, V. Informe sobre la construcción de un pozo en Santa Ana. *Rev. de Agr. [San José]* 17: 505, 507, 509-511. Oct. 1945. 8 Es1

8519 ZUROVSKY, B. Quarter-billion-dollar program projected at region VI meeting. *Rural Electr. News* 11(3): 17, 24. Dec. 1945. 335.8 N21

#### Materials and Methods

8520 FAULHABER, F. V. Painting starts with cleaning. *Furrow, Balt. - D* [Ed.] 50: 3, 10. Nov./Dec. 1945. 6 F08B

Maintenance of farm equipment.

8521 LONG, J. D. Get acquainted with new farm building materials. *Better Farming Methods* 18(8, 1. s. 2): 12, 23. Nov./Dec. 1945. 58.8 B46

8522 TERRELL, A. C. Dairy plant painting. *South. Dairy Prod. J.* 38(12): 44. Dec. 1945. 44.8 So83

8523 TOLLEY, H. R. The farm market for paints. *Paint, Oil, and Chem. Rev.* 108(21/22): 26. Nov. 1, 1945. 306.8 P16

Building maintenance needs.

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

##### GENERAL

8524 ANDRESEN, A. H. Food problems ahead. *Butchers' Advocate* 118(23): 15, 17. Dec. 5, 1945. 286.85 B97

8525 BAILEY, S. D. Post-mortem on the Bengal famine. *Far East. Survey* 14: 373-374. Dec. 19, 1945. 280.9 In782

Discusses the report of the Woodhead Commission.



8526 CALIFORNIA HAY, GRAIN AND FEED DEALERS ASSOCIATION. BUREAU OF FIELD CROPS. Report, Apr. 20, 1945, 6 p., processed. n. p., 1945. 389.79 C12R

8527 CHATTOPADHYAY, K. P. Famine and destitution in rural Bengal. Sci. and Cult. 11: 228-239. Nov. 1945. 475 Sci24

8528 CREEK, C. R. Truck crop summary. Mass. State Col. Ext. Farm Econ. Facts, Nov. 15, 1945, p. 2, 4. 275.29 M381Fa

Includes yields of apples and tobacco.

8529 DOMINICAN REPUBLIC. SECRETARIA DE ESTADO DEL TESORO Y COMERCIO. Memoria, 1943, 370 p. Ciudad Trujillo, 1944. 254.8 D7196

Contains information on the sugar, rice, food fats, alcohol, and hides and skins industries, taxes obtained from these industries, and rural properties acquired by the State.

8530 GOETZ, M. Satisfacción de las necesidades alimenticias en Europa. Veritas 15: 890. Aug. 15, 1945. 280.8 V58

8531 GOVINDAROW, B. The Indian food problem. Indian J. Econ. 26: 377-387. Jan. 1946. 280.8 In22

8532 INSTER, D. G. How Europe is faring now. New Zeal. Dairy Exporter 21(2): 18-19. Oct. 1, 1945. 44.8 N464

The food situation.

8533 INSTITUTE OF INTER-AMERICAN AFFAIRS. EMERGENCY REHABILITATION AND FOOD SUPPLY DIVISION. Reporte anual del Instituto de Asuntos Interamericanos; División de Productos Alimenticios; Misión de Honduras; año fiscal de 1944-45. Honduras Agr. 1(12/13): 9-10. Sept./Oct. 1945. 8 H753

8534 JAIN, T. C. Food supply and price control in the Punjab. Old Boys' Econ. Assoc. Econ. Prob. P. 1, 50 p. Labors, 1944. 280.9 O11

Includes a chapter on rationing.

8535 JOHNSON, E. H. The raw materials situation of Texas. Pt. I. Tex. Business Rev. 19(9, 1. e. 10): 7-17. (To be cont.) Nov. 1945. 280.8 T312

Includes agricultural and forest raw materials.

8536 LARSEN, D. What hope have they? Saskatchewan Farmer 36(22): 6. Dec. 1, 1945. 7 Sa73

Food relief tasks of UNRRA.

8537 MISRA, S. Food position in Orissa. Indian J. Econ. 26: 525-534. Jan. 1946. 280.8 In22

8538 NOYÉ, A. La intervención del Estado en las actividades comerciales. Economista 13(149): 24-30, 70-72. Oct. 1945. 280.8 Ec793

State control and price policy in Mexico, including foodstuffs, 1938-1945.

8539 QURESHI, A. I. Some thoughts on the Indian food problem. Indian J. Econ. 26: 359-369. Jan. 1946. 280.8 In22

Food situation and price control.

8540 RAJAN, V. S. Food planning in India. Indian J. Econ. 26: 565-570. Jan. 1946. 280.8 In22

8541 RAO, R. V. The Indian food problem. Indian J. Econ. 26: 370-376. Jan. 1946. 280.8 In22

Production, consumption, and planning.

8542 REYNOLDS, L. Mendoza, South America's biggest little city. Comments Argentine Trade 25(4): 54, 56, 58, 60. Nov. 1945. 287 C359C

Includes fruit, olive oil, and wine production.

8543 SWEDISH CHAMBER OF COMMERCE FOR THE UNITED KINGDOM. Anglo-Swedish year book, 1945, 112 p. London? 1945? 287 L842

The classified list of members includes dealers in fresh and dried fruit, hides and skins, oils and fats, rubber, textiles, timber, wine, and wood products.

8544 SYMINGTON, I. D. New Zealand food processors helped feed U. S. Pacific troops; Britain also drew heavily on "Down Under" for canned, frozen and dehydrated meats, and other food products. West. Canner and Packer 37(12): 88-89. Nov. 1945. 286.83 W522

8545 TAYLOR, E. G. R. The globe: a geographer's review. Brit. Survey 6: 13-18. Jan. 30, 1945. 280.8 B77

Includes food resources of the world.

8546 VILLAVEDE, M. Después de la guerra el hambre. Labor 4(97): 2. Nov. 21, 1945. 8 L11

Europe and Asia.

#### ANALYSIS AND COMPOSITION

8547 JONES, O. Metallic impurities in food; some problems of permissible limits. Pt. 1. Food [London] 14: 285-286. (Cont.) Nov. 1945. 389.8 F738

8548 MCKENZIE, H. A. A volumetric method for the determination of tin in foods. Austral. Council Sci. and Indus. Res. J. 18: 181-187. Aug. 1945. Ref. 514 Au72J

#### CONSUMPTION AND UTILIZATION

8549 B., C. H. El consumo de alimentos en la Argentina y en los Estados Unidos. Rev. de Econ. Argentina 44: 453-455. Sept. 1945. 280.8 R325

Statistics.

8550 BRAGSTAD, R. E. Industrial wastes at Sioux Falls, South Dakota. Indus. Waste Util. Conf. Proc. 1944(1): 22-30. 381 In2

8551 MOHLMAN, F. W. Utilization and disposal of industrial wastes. Indus. Waste Util. Conf. Proc. 1944(1): 43-57. 381 In2

8552 OVERDICK, H. A. Industrialización agrícola. Asoc. Gen. de Agr. [Guatemala]. B. 26, p. 3; No. 27, p. 2, 4; No. 28, p. 3; No. 29, p. 4. Sept. 29-Oct. 20, 1945. 8 As52

Common and scientific names of plants and their products and byproducts and utilization.

8553 ROSENTHAL, F. Radio-frequency heat for farm waste plastics. Pacific Plastics 3(2): 38. Nov. 1945. 309.8 P12

8554 SANBORN, N. H. Food canning waste utilization. Indus. Waste Util. Conf. Proc. 1944(1): 89-95. 381 In2

Discussion, by D. T. Sherow, p. 96-97.

#### DISTRIBUTION, MARKETING, AND TRANSPORTATION

8555 ADAIR, W. All [marketing] plans must be revised; Food Ministry as central structure. Farming News and North Brit. Agr. 97(46): 3. Nov. 9, 1945. 10 N82

8556 BAKER, A. M. Farmers are boss in Houston market. News for Farmer Coops. 12(8): 18. Nov. 1945. 166.2 N47

The Farmers' Cooperative Marketing Association at Houston.

8557 BLANCH, G. T. A market for Utah farm products; increase in population in West Coast area opens new market opportunities. Farm & Home Sci. [Utah Sta.] 6(4): 1, 13-14. Dec. 1945. 100 UtlF

8558 BLASCO DE BORRÁS, M. La función perjudicial del intermediario. Puerto Rico. Dept. de Agr. y Com. B. de Com. 2(12): 14, 44. 1945. 286.8 P96

The middleman in marketing of agricultural products and ways to eliminate him and abolish the black market.

8559 C., W. A. The cost of food distribution. Rural Bank N. S. Wales. Farm Front 3: 155-159, processed. Oct. 1945. 281.9 R883

Marketing.

8560 CAVINA, R. Possibilidade de ser aplicado no Brasil o "Food Stamp Plan." Soc. Bras. de Agron. B. 7: 401-406. Dec. 1944. 9.2 Sol3

8561 CORBALEY, G. C. Food retailing. Pacific Northwest Grocer and Meat Dealer 50(10): 56-58. Oct. 1945. 286.28 P11

8562 DANIELS, J. Marketing co-ops operate for economy "from soil to sale." Pa. Co-op. Rev. 13 (1): 2-8. Dec. 1945. 280.28 P38

8563 FRENCH, E. R. Distribution a major factor; in post war era farm products must again seek markets. East. Fruit Grower 8(9): 8, 17, 20, 22, 28-29. Nov. 1945. 80 Ea73

8564 HYME, R. Produce dealers and peddlers and the Oregon produce law. Oreg. Dent. Agr. Agr. B. 148, p. 14-15. Dec. 1945. 2 Or3

8565 JOHNSON, G. Retail survey page. Quick Frozen Foods 8(4): 57, 94. Nov. 1945. 389.8 Q4  
Merchandising frozen food.

8566 KNAPP, J. G., and SCEARCE, J. L. Purchasing regionals met war needs. News for Farmer Coops. 12(9): 16-17. Dec. 1945. 166.2 N47

Includes marketing of farm products by the regional purchasing coops.

8567 LEFEBRE MUÑOZ, R. El mercadeo de productos agrícolas. Rev. del Café 1(6): 12-13, 38-40. Nov. 1945. 8 R3295

8568 LIVESAY, V. F. Cooperatives and the black market. Oreg. Grange B. 45(13): 10. Dec. 5, 1945. 6 Or3

8569 SADD, C. W. Breaking through to consumers. News for Farmer Coops. 12(9): 12-14. Dec. 1945. 166.2 N47

Cooperative Producer and Consumer Family Foods, Inc. 8570 SAVILLE, G. Food by road; some aspects of carriers' licenses to-day. Food [London] 14: 289-290. Nov. 1945. 389.8 F738

#### GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

8571 CLOSE, W. L. The relation of shipping point inspection to Oregon's agricultural marketing. Oreg. Dept. Agr. Agr. B. 148, p. 8-10. Dec. 1945. 2 Or3

8572 GUPTA, D. L. Future of food control in India. Indian J. Econ. 26: 571-578. Jan. 1946. 280.8 In22

8573 HASKEL, M. Factors influencing the quality of agricultural products. (In Hebrew.) Hassadeh 25: 574-577. (Concl.) Aug./Sept. 1945. 26 H27

8574 PAYNE, H. Major progress toward better canned foods labeling. Fruit Prod. J. and Amer. Food Mfr. 25: 82, 89. Nov. 1945. 389.8 F94

#### PACKING AND PACKAGING

8575 ALGEO, J. S. Why processors should continue to use standardized glass containers. Canner 101(22): 20. Nov. 17, 1945. 286.83 C16

#### PRICES, PRICE CONTROL, AND RATIONING

8576 ALBERTA FARMERS' UNION. Statement... re: guaranteed wheat prices and meat rationing. Alberta Farmers' Union. A. F. U. B. 5(10): 8-10. Oct. 1945. 281.9 AL12

8577 ANDERSON, C. P. The parity problem... a broad discussion of the future of the parity formula and the ideals behind it. DPMA News 6(2): 8-10. Nov. 1945. 280.28 D144

8578 BOWLES, C. Views of food industry leaders on when to end price control. Canning Trade 68(21): 5-6. Dec. 17, 1945. 286.83 T67  
Also in Cheese Rptr. 70(16): 7-8. Dec. 14, 1945. 44.8 Sh3

8579 BRIGHT, W. M. Parity is "earned" equality "equal pay for equal work." Farmer's Friend 5(10): 4-5. Nov. 2, 1945. 6 F2209

8580 CAMPBELL, K. O. Forward prices for agricultural products. Rev. Mktg. Agr. Econ. (n. s.) 13: 263-267, processed. Oct. 1945. 286.8 N47M

8581 CRAM, J. S. Farm price assurance sought [Canada]. Family Herald and Weekly Star 76(49): 15. Dec. 5, 1945. 7 F21

8582 GOSS, A. S. An equitable parity formula. Hoard's Dairyman 90: 744, 758-759. Dec. 25, 1945. 44.8 H65

8583 GREAT BRITAIN. MINISTRY OF FOOD. Rationing in the United Kingdom. Gt. Brit. Min. Food. Our Food To-Day, No. 1, 24 p. London, 1945. 389.9 G790

8584 HOBSON, A. What's going to happen to agricultural prices after reconversion period. Fed. Bag 21(11): 15, 59, 61-62, 114-115. Nov. 1945. 389.78 F32

8585 HOUGH, J. A. 1945 ration registrations reviewed. Co-op. Rev. 19: 152-153. Oct. 1945. 280.28 C7823

Registrations in rationed commodities held by cooperative societies in Great Britain.

8586 MILEY, D. G. Overall farm prices show sharp decline, but cotton continues slight advance. Miss. Farm Res. [Miss. Sta.] 8(10): 1, 7. Oct. 1945. 100 M69M1

8587 MONTEALEGRE C., E. Memorandum sobre la estabilización de los precios de los productos agrícolas. Managua. Cam. Nac. de Com. e. Indus. B. (ser. 3) 10(120): 15-22; (121): 21-27. (Cont.) Aug., Sept. 1945. 287 M316

8588 MOSER, R. E. Farm prices drop. Mass. State Col. Ext. Farm Econ. Facts, Nov. 15, 1945, p. 4. 275.29 M381Fa

8589 NORTON, L. J. What about post war farm prices? Iowa Dairy Mktg. News 27(11): 1, 3. Nov. 1945. 44.8 Io9

8590 UNDERWOOD, F. L. Farm prices. Va. Farm Econ., No. 79, p. 957. Oct. 1945. 275.29 V813

8591 WILLIAMS, F. M. Price control and rationing in foreign countries during the war. Monthly Labor Rev. 61: 882-899. Nov. 1945. 158.6 D87M  
Includes rationing and prices of food.

#### PROCESSING AND STORAGE

8592 BESS, J. M. What will come when waiting lists go? Quick Frozen Foods 8(4): 130, 148. Nov. 1945. 389.8 Q4

Future of the locker plant.

8593 COARRAZA, J. Les conserves alimentaires. B. Agr. des Hautes-Pyrénées, No. 403, p. 71-77; No. 404, p. 93-98. July, Sept. 1944. 14 B875  
In No. 404 title is "Conservation des légumes et des fruits" and author is given as G. Coarraza.

8594 CONRAD, R. M. Dehydrated foods here to stay. Kans. Farmer 82(23): 12. Dec. 1, 1945. 6 K13

8595 FAREY, A. Food Processors [Foundation] sponsor program. Calif. Cult. 92: 657, 677. Dec. 8, 1945. 6 C12

Program for training students in food processing at the College of the Pacific, Stockton, Calif.

8596 GAVRILOVA, C. The pros and cons of cooperatives. Quick Frozen Foods 8(4): 60-63; (5): 70. (Cont.) Nov., Dec. 1945. 389.8 Q4

Food processing by farmers' cooperatives.

8597 HINER, R. L. Lard as protective material for meats stored in freezer lockers. Quick Frozen Foods 8(4): 128, 131, 150. Nov. 1945. 389.8 Q4

8598 HUTCHINS, T. S. Present aspects for frozen foods. Dom. Com. 33(12): 30-32. Dec. 1945. 157.54 D713

8599 LIGHTFOOT, K. Presidential address [Institute of Refrigeration]. Mod. Refrig. 48: 257-258. Nov. 15, 1945. 295.8 M72

Refrigeration and quick freezing. Includes their application in the food industry.



8600 MALAMBRE, A. C. America's canned foods appetite is unpredictable. Canner 101(23): 12. Nov. 24, 1945. 286.83 C16

8601 MARTIN, L. Effect of war's end upon frozen food industry is outlined. West. Canner and Packer 37(11): 68. Oct. 1945. 286.83 W522

8602 MINNESOTA. DEPT. OF AGRICULTURE, DAIRY AND FOOD. Minnesota creameries, cheese and ice cream factories, milk plants, canneries, bottlers and refrigerated food lockers, 1944, 73 p. St. Paul, 1945. 44.9 M664

8603 QUICK FROZEN FOODS. 1945/46 directory of frozen foods processors of fruits, vegetables, eggs, sea foods, poultry, meats and frozen cooked specialties, 309 p. N. Y., 1945. 225 Q4

8604 REICH, G. T. Carbon dioxide in the food industry. Pt. IIIA. Uses of solid CO<sub>2</sub> in distributing fish, fresh fruits and vegetables, and food containing fat, solid CO<sub>2</sub> is becoming increasingly important. The author tells why; gives chart to determine consumption. Food Indus. 17: 1305-1307. Nov. 1945. 398.8 F737

8605 SCOTT, G. C. What technology means to the canner. Pt. II. Food Indus. 17: 1316-1317. Nov. 1945. 389.8 F737

Control of quality, supplies, waste disposal, and byproduct utilization.

8606 SEWARD, E. H. The long pull in locker business. Quick Frozen Foods 8(4): 133, 146. Nov. 1945. 389.8 Q4

Future of the locker business.

8607 STARE, F. A. Now that the war is over. Canner 101(22): 36, 38. Nov. 17, 1945. 286.83 C16

Prospects of the canning industry.

8608 STARE, F. A. Where do we go from here? Food Packer 26(13): 32. Dec. 1945. 286.83 C165

Future of the canning industry.

8609 STITT, F., and KENNEDY, E. K. Specific heats of dehydrated vegetables and egg powder. Food Res. 10: 426-436. Sept./Oct. 1945. 389.8 F7322

8610 TUCKER, I. R. Warns against too quick development [in the frozen food industry]. Frosted Food Field 1(5): 15. Nov. 1945. 389.8 F922

8611 ZAROTSCHENZIEFF, M. T. Congelamento rápida. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. [B.] 116, 12 p. Porto Alegre, 1945. 9.2 R473

#### STATISTICS

8612 AUSTRALIA. BUREAU OF CENSUS AND STATISTICS. Production 1941-42 and 1942-43. Part II. - Primary industries and total recorded production. Austral. Bur. Census and Statis. Prod. B. 36, 92 p. Canberra, 1944? 271 Au72P

Statistics for land settlement, production of agricultural products, forestry, and counties.

8613 ELY, R. J. W. Montana's production; a statistical summary of the State's industries, 1930-1945. Mont. State U. Bur. Business Res. B. 9, 60 p., processed. Missoula, 1945. 252.49 Un3

Includes agricultural products.

8614 NEW ZEALAND. CENSUS AND STATISTICS DEPT. Statistical report, 1942, 98 p. Wellington, 1945. 271.2 C335

Contains statistics of food prices.

The 1941 report, 137 p., published in 1944, contains in addition statistics of agricultural production and land and land taxes.

8615 RUIZ ALMANSA, J. La estadística internacional y las posibilidades y deberes de España en ella. Spain. Dir. Gen. de Estadís. B. de Estadís., No. 24, v. 325-347. Oct./Dec. 1944. 263 Sd12

Includes international agricultural statistics.

8616 UNION OF SOUTH AFRICA. OFFICE OF CENSUS AND STATISTICS. Census of industrial establishments 1941/42, 115 p. Pretoria, 1945. 270 C332

Includes data for bakeries, breweries, dairy plants, grain mills, tanneries, and textiles and tobacco factories.

8617 WIENER, W. T. G. Secretary's report, 1944/45. Canad. Seed Growers' Assoc. Ann. Rpt. 1944/45: 44-60. 61.9 C16

Includes statistics of acreage and yield of crops inspected and covered by crop registration certificates.

#### BEVERAGES AND CONDIMENTS

8618 ACUERDOS de la Tercera Conferencia Panamericana del Café, New York; junio de 1940. Rev. Cafetal. de Guatemala 1(8/9): 83-87. July/Aug. 1945. 68.28 R322

Trade and advertising to promote consumption.

8619 ANDRADE, T. DE. Direitos aduaneiros sobre o café. Brazil. Dept. Nac. do Café. DNC 25: 159-160. Aug. 1945. 286.83 D44

8620 ARROYO, R. The production of heavy bodied rum. Sugar 40(11): 34-39. Nov. 1945. 65.8 F11

8621 BIRON, M. Acclimation des cépages européens en Turquie. Off. Internatl. du Vin. B. 18 (171/174): 100-112. May/Aug. 1945. 390.8 B87

Includes records of wine sampling.

8622 EL CAFE en los últimos años, 1930-1945. Rev. Cafetal. de Guatemala 1(8/9): 5-15. July/Aug. 1945. 68.28 R322

8623 CARRIÓN, P. La fermentación de los mostos. Agr. Levantino 11(129): 4-7. Aug. 1945. 15 Ag85

8624 CHOCHONE, H. La vuelta o tornado de los vinos. Vinos, Viñas y Frutas 41: 112-114. Aug. 1945. 9 Ag89

8625 CHOUSSY, F. El lavado del café. El Salvador. Inst. Tec. An. 1(1): 244-250. 1944. 8 Sa34

8626 CORREA, A. La recolección y beneficio del café. Rev. del Café 1(6): 11, 26. Nov. 1945. 8 R3295

8627 COSBIE, A. J. C. Pasteurization. Inst. Brewing. J. (n. s.) 42: 233-240. Sept./Oct. 1945. 390.9 In7

Discussion, p. 241.

Pasteurization of beers.

8628 COSECHA de café 1945-1946; control de producción, contratación y exportación; normas aprobadas por la junta asesora. Rev. Cafetal. de Guatemala 1(8/9): 16-23. July/Aug. 1945. 68.28 R322

8629 DUQUE, J. P. Características y perspectivas de la industria del café en El Salvador. El Salvador. Inst. Tec. An. 1(1): 221-227. 1944. 8 Sa34

8630 DUQUE, J. P. Proyecto de organización de un Departamento Técnico de Café. El Salvador. Inst. Tec. An. 1(1): 209-220. 1944. 8 Sa34

8631 ECHEVERRÍA, H., R. M. Los problemas de nuestro producto No. 1 - el café. Asoc. Gen. de Agr. [Guatemala]. B. 31, p. 1, 3-4. Nov. 3, 1945. 8 As52

8632 FEISST, E. Die wirtschaftlichen sicherungen von weinprodukten und weinabsatz in gegenwart und zukunft; ein lehrreiches beispiel für die verständigste zusammenarbeit zwischen produktion und verwerterenschaft. Landw. Jahrb. der Schweiz 58: 605-623. 1944. 17 L23

French translation, p. 624-641.

Regulation of the industry.

8633 FESSLER, J. H. The care of wines after fermentation. Wine Rev. 13(11): 22-23. Nov. 1945. 320.8 W722

- 8634 HITZL, C. Fruit brandies by the pot still method. *Wines & Vines* 26(11): 21, 38. Nov. 1945. 95.8 C122
- 8635 KUNZI, P. Situationsbericht über die weinlese 1944 am Bielersee. *Schweiz. Z. f. Obst- u. Weinbau*, No. 24, p. 434-436. Nov. 25, 1944. 80 Sch9
- 8636 LABORES y resultados obtenidos en la IV Conferencia Panamericana del Café. *Café de Nicaragua* 1(10): 13, 15-17. Sept. 1945. 68.28 C114  
Resolutions of the congress.
- 8637 LEWINSOHN, R. O mercado frances de café. *Brazil. Dept. Nac. do Café. DNC* 25: 161-165. Aug. 1945. 286.83 D44
- 8638 LÜTHI, H. Anwendung und vermehrung der reinhefe. *Schweiz. Z. f. Obst- u. Weinbau*, No. 18, p. 321-327. Sept. 15, 1945. 80 Sch9
- 8639 LÜTHI, H. Ueber zwei ursachen der verschimmelung von süßmosten im kleinbetrieb. *Schweiz. Z. f. Obst- u. Weinbau*, No. 18, p. 315-318. Sept. 2, 1944. 80 Sch9
- 8640 LÜTHI, H. Zur gärführung in den obstwein- keltereien. *Schweiz. Z. f. Obst- u. Weinbau*, No. 19, p. 343-347. Sept. 15, 1945. 80 Sch9
- 8641 MARCILLA ARRAZOLA, J. La acidez de los mostos y de los vinos. *Siembra* 1(1): 14-17. Jan. 1945. 15 Sil
- 8642 MAYORGA, S. La industria del vinagre de vino, sus problemas. *Vinos, Viñas y Frutas* 41: 139-143. Oct. 1945. 9 Ag89  
Argentina.
- 8643 NÓBREGA, A. O ouro verde na terra de Iracema. III. *Brazil. Dept. Nac. do Café. DNC* 25: 205-213. Aug. 1945. 286.83 D44
- 8644 P., E. Die neuen weine neigen stark zum braunwerden. *Schweiz. Z. f. Obst- u. Weinbau*, No. 22, p. 400-401. Oct. 27, 1945. 80 Sch9
- 8645 PENTEADO, E. El café a través de la prensa. *Rev. Cafetal. de Guatemala* 1(8/9): 32-36. July/Aug. 1945. 68.28 R322  
Coffee prices and coffee in Colombia.
- 8646 PEYER, E. Die rieslingsylvanerweine des jahrganges 1943. *Schweiz. Z. f. Obst- u. Weinbau*, No. 16, p. 280-281. Aug. 5, 1944. 80 Sch9  
Quality.
- 8647 QUINTANA, F. A. Comentarios al artículo "Los Problemas de Nuestro Producto No. 1 - el Café." *Asoc. Gen. de Agr. [Guatemala]. B.* 34, p. 1, 3. Nov. 24, 1945. 8 As52
- 8648 RENTSCHLER, H. Verfahren zum beschleunigten und verstärkten ausbau von weinen und mosten: eine patentschrift. *Schweiz. Z. f. Obst- u. Weinbau*, No. 23, p. 416-417. Nov. 10, 1945. 80 Sch9  
Wine manufacture.
- 8649 SCHELLENBERG, A. Einige bemerkungen zur diesjährigen weinlese im Kanton Zürich. *Schweiz. Z. f. Obst- u. Weinbau*, No. 25, p. 445-446. Dec. 9, 1944. 80 Sch9
- 8650 SCHMID, G. Zur kritik der erhöhten weinpreise. *Schweiz. Z. f. Obst- u. Weinbau*, No. 24, p. 423-425. Nov. 24, 1945. 80 Sch9
- 8651 SIMON, A. L. Les vins de France. *Off. Internatl. du Vin. B.* 18(171/174): 6-11. May/Aug. 1945. 390.8 B87  
History.
- 8652 STERN, J. El empleo de la cal en el "beneficiado húmedo" del café. *El Salvador. Inst. Tec. An.* 1(1): 283-302. 1944. 8 Sa34
- 8653 TAUNAY, A. DE E. Um dos mais velhos documentos cafeeiros universais conhecidos (1709). *Brazil. Dept. Nac. do Café. DNC* 25: 166-174. Aug. 1945. 286.83 D44  
Description of a work by João de La Roque.
- 8654 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. INDUSTRIAL PROJECTS UNIT. Wine, champagne, cognac: French output and trade. *Foreign Com. Weekly* 21(11): 9, 41-43. Dec. 8, 1945. 157.54 F763  
Based upon a report by J. Kobler.
- 8655 URIBE RESTREPO, A. Discurso de clausura de la IV Conferencia Panamericana del Café, pronunciado por el Dr. Adán Uribe Restrepo, jefe de la delegación de Colombia. *Café de Nicaragua* 1(10): 11-12. Sept. 1945. 68.28 C114
- 8656 VALAER, P. Proved processes for making grape concentrate. *Wines & Vines* 26(11): 23-25, 31-33. Nov. 1945. 95.8 C122
- 8657 VAUGHN, R. H., and MARSH, G. L. The disposal of dessert winery waste. *Wine Rev.* 13(11): 8-11. Nov. 1945. 320.8 W722
- 8658 WIDMER, A. Die bedeutung der schwefligen säure in der kellerpraxis. *Schweiz. Z. f. Obst- u. Weinbau*, No. 19, p. 334-337. Sept. 16, 1944. 80 Sch9  
Wine manufacture.
- 8659 WIDMER, A. Das braunwerden der weine und die behandlung von zum braunwerden neigenden und braunen weinen. *Schweiz. Z. f. Obst- u. Weinbau*, No. 26, p. 459-464. Dec. 23, 1944. 80 Sch9
- 8660 WIDMER, A., PEYER, E., and HUBER, H. Das braunwerden der weine und obstweine. Vorbeugungsmittel und behandlung brauner weine und obstweine. *Schweiz. Z. f. Obst- u. Weinbau*, No. 14, p. 252-256. July 8, 1944. 80 Sch9
- 8661 WIDMER, A. Klärung der weine und obstweine. *Schweiz. Z. f. Obst- u. Weinbau*, No. 23, p. 411-417. Nov. 11, 1944. 80 Sch9
- 8662 WIDMER, A. So macht man gesunden und fehlerfreien obstwein. *Schweiz. Z. f. Obst- u. Weinbau*, No. 19, p. 331-333. Sept. 16, 1944. 80 Sch9
- 8663 WINE INSTITUTE. Ninth annual wine industry statistical survey. Pt. III. *Wine Inst. B.* 294, 14 p., processed. San Francisco, 1945. 390.9 W72  
Includes statistics on grape acreage and grape utilization.

## DAIRY PRODUCTS

- 8664 BAECHTIGER, E. Aus der appenzellischen milchwirtschaft. *Schweiz. Milchztg.* 71: 356. Oct. 9, 1945. 44.8 Sch92
- 8665 BAECHTIGER, E. Die OLMA [Ostschweizerische Land- und Milchwirtschaftliche Ausstellung] und die ostschweizerische milchwirtschaft. *Schweiz. Milchztg.* 71: 355. Oct. 9, 1945. 44.8 Sch92
- 8666 BANKS AMERY, W. Review of dairying industry. *Countryman [Melbourne] (ser. 20)*, No. 28, p. 8. July 20, 1945. 281.8 C83
- 8667 BELL, E. W. Dairy production reaches high point. *Mass. State Col. Ext. Farm Econ. Facts*, Nov. 15, 1945, p. 3. 275.29 M381Fa
- 8668 CANADIAN DAIRY AND ICE CREAM JOURNAL. The dairy industry buyers' guide... 1945. *Canad. Dairy and Ice Cream J.* 24(11): 36-42. Nov. 1945. 44.8 C162
- 8669 COWLES, F. Milk for American troops in Newfoundland. *Dairy World [Chicago]* 24(6): 12-13, 16, 55. Nov. 1945. 44.8 D1423
- 8670 DAUNCEY, P. Sheep help in a milk shortage; two gallons a day from good ewes in Germany. *Smallholder* 74(1863): 11. Nov. 30, 1945. 10 Sml  
Brings out the economy in using sheep's milk.
- 8671 DOHERTY, A. A review of milk production. *Farmers' Gaz., North. Ireland Ed.*, June 1945, p. 261, 264. 10 F2212  
Amount of production since the outbreak of the war.



**8672** FEDERACION ARGENTINA DE COOPERATIVAS TAMBERAS LTDA. Nuestra organización se dirigió al Ministro de Agricultura...es preciso destacar la oportunidad del plan de acción de las cooperativas tamberas. Fed. Argentina de Coop. Tamberas. Rev. 5(50): 13-16. Sept. 1945. 280.28 F31

**8673** FR. Gedanken zur entwicklung der weich- und schachtelkäseerei. Schweiz. Milchztg. 71: 367-368. Oct. 16, 1945. 44.8 Sch92

**8674** HAMPSHIRE, P. G. Dairy technology in Australia; fifty years of progress. Hawkesbury Agr. Col. J. 42: 132-136, 146-148. (Cont.) Sept. 29, Oct. 31, 1945. 276.8 H31

New processes and advancement in the industry.

**8675** HIRSCH, D. E. Dairy co-ops roll out the barrels. News for Farmer Coops. 12(9): 7, 20, 21. Dec. 1945. 166.2 N47

Production of nonfat dry milk solids in Wisconsin and Minnesota.

**8676** HUTCHINS, T. S. The Argentine dairy industry. Comments Argentine Trade 25(3): 58, 60, 62, 64, 66, 68. Oct. 1945. 287 C359C

**8677** KOESTLER, G. Beziehungen zwischen teigbeschaffenheit und lochung beim Emmentalerkäse. Schweiz. Milchztg. 71(94): 1. (Concl.) Nov. 23, 1945. 44.8 Sch92

**8678** LACKNER, C. E. Present and post-war problems of the Ontario cheese industry. Ontario Cheese Prod. Assoc. Rpt. (1944) 11: 7-11. 44.9 On8

**8679** LALLEMAND, G. Quo vadis? Milk Indus. 26(6): 33, 35, 37. Dec. 1945. 44.8 M593

Future of British milk industry.

**8680** LAMSON, C. The fluid milk business in Ashtabula County [Ohio]. Farm and Dairy [Salem] 32(11, 1. e. 14): 5, 8. Dec. 14, 1945. 6 F2279

**8681** LANGHARD, O. Die milch- und milchoroduktenversorgung mit spezieller berücksichtigung der weickkäseerei. Schweiz. Milchztg. 71: 388. Nov. 2, 1945. 44.8 Sch92

**8682** THE MARGARINE menace in America; the farmers there have the right idea about it. By "American." New Zeal. Dairy Exporter 21(1): IX-X, XII. Sept. 1945. 44.8 M484

**8683** MARRE, R. A. Fue inaugurada la exp. de la industria lechera argentina. Tambo y Chacra 16 (638): 3, 7, 8. Oct. 13, 1945. 44.8 T15

On the dairy industry.

**8684** MARSHALL, W. The future of the industry; ...deals with marketing and price problems. New Zeal. Dairy Exporter 21(1): II-III. Sept. 1945. 44.8 M484

**8685** MEMMER, G. E. Work of the Field Service [of the Michigan Milk Producers' Association]. Mich. Milk Messenger 27(8): 3. Dec. 1945. 44.8 M582

**8686** MILLER, R. Shortage of dairy products. Skagit Co-op. Dairyman 23(4): 13. Dec. 1945. 280.28 Sk1

**8687** MORTENSON, W. P. Dairying faces reconversion. Hoard's Dairyman 90: 716-717, 727, 729. Dec. 10, 1945. 44.8 H65

**8688** MUGGLI, I. Das milchwirtschaftliche bildungswesen der Ostschweiz. Schweiz. Milchztg. 71: 361. Oct. 12, 1945. 44.8 Sch92

**8689** O'NEIL, C. J. Ice cream costs and trade practices. Ice Cream Rev. 29(5): 38-39. Dec. 1945. 389.8 Ic22

**8690** ONTARIO CHEESE PRODUCERS' ASSOCIATION. Report of... annual meeting, 11th-12th, 2 v. Toronto, 1944-45. 44.9 On8

Individual papers have been listed under their respective subjects in this bibliography.

**8691** PAULY, W. H. Reconvertng the cheese industry to a peacetime basis. Natl. Butter and Cheese J. 36(12): 42, 44, 46, 48. Dec. 1945. 286.85 B89Bu

**8692** PIPER, H. L. The milk situation. New England Homestead 118(22): 6. Nov. 24, 1945. 6 N442

**8693** POMPA, A. Notes on ice-cream; recent developments in Great Britain and U. S. A. Food [London] 14: 329. Dec. 1945. 389.8 F738

**8694** S., M. K. Higher standards no hindrance to St. Louis milk production volume. Milk Dealer 35(2): 64. Nov. 1945. 44.8 M595

**8695** SAVAGE, W. Milk production and human disease. Vet. J. 101: 236-242. Oct./Nov. 1945. 41.8 v643

**8696** SINGLETON, J. F. Some developments in the Canadian dairy industry and trade during 1943. Ontario Cheese Prod. Assoc. Rpt. (1944) 11: 19-29. 44.9 On8

**8697** SKERTCHLY, C. He [John Bull] still eats ice cream. Ice Cream Field 46(5): 23, 43-44. Nov. 1945. 389.8 Ic23

Conditions in the industry.

**8698** STITTS, T. G. The future of dairy products in domestic markets. (Excerpts.) Amer. Butter Rev. 7: 350, 352, 354, 362. Nov. 1945. 44.8 Am37

**8699** STITTS, T. G. Only butter can be butter. Certified Milk 20(235): 7, 16. Nov. 1945. 44.8 C33

Situation and outlook.

**8700** STITTS, T. G. What are the problems of the dairy industry? DPMA News 6(3): 8-10. Dec. 1945. 280.28 D144

**8701** STOCKING, A. Spring vs. fall freshening. Skagit Co-op. Dairyman 23(4): 15. Dec. 1945. 280.28 Sk1

Milk production.

**8702** TURNER, H. Dairying in the Matanuska Valley. Hoard's Dairyman 90: 748. Dec. 25, 1945. 44.8 H65

**8703** U. S. BUREAU OF AGRICULTURAL ECONOMICS. Prospects for the dairy industry in 1946. Natl. Butter and Cheese J. 36(12): 80-81. Dec. 1945. 286.85 B89Bu

**8704** VINCENT, W. Discussion on dairy products from public health standpoint; consideration of sanitation in cream buying stations and operating methods that influence quality. (Excerpts.) Amer. Butter Rev. 7: 367, 369. Nov. 1945. 44.8 Am37

**8705** WARD, G. H. The dairy situation. Va. Farm Econ., No. 79, p. 958. Oct. 1945. 275.29 V813

**8706** WEAVER, E. Dairy education and training in the United States of America. Dairy Indus. 10: 714-717. Oct. 1945. 44.8 D1427

**8707** WH. Buttersversorgung — fettversorgung. Schweiz. Milchztg. 71: 351-352. Oct. 5, 1945. 44.8 Sch92

**8708** WH. Wann wird die milch- und milchproduktenrationierung aufgehoben? Schweiz. Milchztg. 71: 403. Nov. 16, 1945. 44.8 Sch92

The milk situation is discussed.

**8709** WH. Zur milchablieferung. Schweiz. Milchztg. 71: 403. Nov. 16, 1945. 44.8 Sch92

Milk production program.

**8710** WINSLOW, J. C. Uniform milk production and how to get it! Natl. Butter and Cheese J. 36(12): 68-71. Dec. 1945. 286.85 B89Bu

#### Analysis and Composition

**8711** BARKWÖRTH, H. Laboratory tests for clean milk. Part X. Application of tests and their results. Dairyman 62: 315, 317. Nov. 1945. 44.8 D1426

**8712** BAVONE, A. L., and PEARSON, E. J. Some experiences in the use of the phosphatase test. Canad. Dairy and Ice Cream J. 24(11): 52-53. Nov. 1945. 44.8 C162

**8713** HEINEMANN, B. Volumetric determination of moisture in dairy products. J. Dairy Sci. 28: 845-851. Nov. 1945. 44.8 J822

8714 HOFFMANN, S. Beobachtungen über die milchsäurebildung in der milch und die bedeutung der milchsäure als mittel zur haltbarkeitsbestimmung. Schweiz. Milchztg. 71: 391-392, 395. Nov. 6-9, 1945. 44.8 Sch9

8715 KELLY, P. L. The effect of pitocin on milk lipase. J. Dairy Sci. 28: 793-797. Nov. 1945. 44.8 J822

Rancidity.

8716 KELLY, P. L. Milk lipase activity: a method for its determination, and its relationship to the estrual cycle. J. Dairy Sci. 28: 803-820. Nov. 1945. Ref. 44.8 J822

Lipase action causing rancidity in milk.

8717 LANGHUS, W. L., and others. The "smear" of brick cheese and its relation to flavor development. J. Dairy Sci. 28: 827-838. Nov. 1945. Ref. 44.8 J822

W. V. Price, H. H. Sommer, and W. C. Frazier, joint authors.

8718 RIVAS, J. G., and DOMINGUEZ, F. El método de Knaysi y Ford para el recuento microscópico directo de los microorganismos vivos en la leche. Indus. Lechera 27: 315-328. May 1945. 44.8 In26

8719 RIVAS, J. G., and MERZARI, A. H. La resazurina en la determinación rápida de la calidad de la leche. Indus. Lechera 27: 305-313. May 1945. 44.8 In26

#### Consumption and Utilization

8720 ISKER, R. A. Dairy products in the Army ration. Cheese Rptr. 70(13 i. e. 12): 3, 6. Nov. 23, 1945. 44.8 Sh3

#### Distribution, Marketing, and Transportation

8721 BAECHTIGER, E. Die milchwirtschaftlichen organisationen in den kantonen St. Gallen/Appenzell. Schweiz. Milchztg. 71: 367. Oct. 16, 1945. 44.8 Sch92

8722 BRANDT, J. Co-ops and the post-war economy. Coop. Digest 6(6): 54-55. Dec. 1945. 280.28 C7896

With reference to the dairy industry.

8723 BURT, W. Dispatching our daily milk. Mich. Milk Messenger 27(8): 6. Dec. 1945. 44.8 M582

Milk deliveries by the Michigan Milk Producers' Association.

8724 COCKX, J. E. Is the milk producer-retailer doomed? (Sum.) Dairyman 62: 305. Nov. 1945. 44.8 D1426

Need for organization.

8725 GOODFELLOW, W. Marketing problems discussed; probable trends in Britain and Europe. (Sum.) New Zeal. Dairy Exporter 21(1): VI-VII. Sept. 1945. 44.8 N484

8726 HIRSCH, D. E. Marketing American cheese in America's dairyland. News for Farmer Coops. 12(8): 3, 8. Nov. 1945. 166.2 N47

8727 JOHNSTON, B. S. The cash system for retailing milk. South. Dairy Prod. J. 38(6): 54-55, 59. Dec. 1945. 44.8 So83

8728 MEDRECH, N. J. Viall Dairy builds sales with successful retail store. Dairy World [Chicago] 24(6): 8-10. Nov. 1945. 44.8 D1423

Viall Dairy, Inc. in East Providence, R. I.

8729 MORGAN, V. "Minnie Quarts" returns as key figure in unique advertising program of Atlanta, Ga. milk dealer. Milk Dealer 35(2): 40-41, 90. Nov. 1945. 44.8 M595

8730 PERREGAUX, E. A. Connecticut milk sold cooperatively. Conn. Prog. 6(10): 1. Oct. 1945. 280.8 C7633

8731 PIERCE, H. F. Method of increasing sales of milk in post war era. Canad. Dairy and Ice Cream J. 24(11): 88, 90. Nov. 1945. 44.8 C162

Every other day delivery, vitamins in milk, square milk bottles, and flash pasteurization.

8732 SWANK, O. A. Co-operative advertising of dairy products. Evansville Coop. Milk Prod. 11(11): 2, 4, processed. Nov. 1945. 280.28 Ev1

8733 WH. Konsummilchliefereung durch Käsereien. Schweiz. Milchztg. 71: 348. Oct. 2, 1945. 44.8 Sch92

#### Grading, Inspection, Standardization, and Quality

8734 CESAR VICTORIA, J. Pastos y otras causas que provocan gustos anormales en la leche. Campo [Buenos Aires] 29(348): 22-24. Oct. 1945. 9 C15

8735 DAHLBERG, A. C. The keeping quality of pasteurized milk. (Sum.) Dairy World [Chicago] 24(6): 30. Nov. 1945. 44.8 D1423

8736 ELDRED, R. E. Why quality butter? Milk Plant Monthly 34(11): 65. Nov. 1945. 44.8 C864

8737 FLETCHER, C. W. Build now for quality [dairy] products. Hoard's Dairyman 90: 742. Dec. 25, 1945. 44.8 H65

8738 MUGGLI, I. Der mulchenwettbewerb für appenzellerkäse der OLMA [Ostschweizerische Land- und Milchwirtschaftliche Ausstellung, 1945. Schweiz. Milchztg. 71: 365. Oct. 12, 1945. 44.8 Sch92

Cheese quality.

8739 PROCTER, F. Present day quality of milk. Co-op. Rev. 19: 150-151. Oct. 1945. 280.28 C7823

Great Britain.

8740 REICHERT, E. L. Quality standards for the cheese industry. Cheese Rptr. 70(13, i. e. 12): 2. Nov. 23, 1945. 44.8 Sh3

8741 REID, W. H. E. Factors affecting the flavor of butter. Creamery J. 56(12): 5, 32-33. Dec. 1945. 44.8 C86

8742 SANNAO, G. Un lait propre. B. Agr. des Hautes-Pyrénées, No. 407, p. 8-10. Jan./Mar. 1945. 14 B875

Sanitation in order to obtain high quality milk.

8743 SVORE, J. H. Higher public health standards for ice cream? Ice Cream Rev. 29(5): 84-88. Dec. 1945. 389.8 Ic22

Includes sources of bacterial contamination.

8744 THOMANN, W. Die mulchenschau für die OLMA [Ostschweizerische Land- und Milchwirtschaftliche Ausstellung, 1945. Schweiz. Milchztg. 71: 355-356. Oct. 9, 1945. 44.8 Sch92

Cheese quality.

8745 WAARDEN, M. VAN DER. Onderzoek naar het smaakbederf van boter door opslag bij lage temperatuur [Investigation into the bad taste of butter as a result of storage under low temperature]. Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek., No. 50(2) G, p. 21-80. 's-Gravenhage, 1944. 105.2 V16V

Summary in German and English.

8746 WILKINSON, F. Lucerne as a cause of taints in milk. Farmer [Pietermaritzburg] 34(45): 12. Nov. 9, 1945. 24 F227

#### Packing and Packaging

8747 PRICE, W. Packaging natural cheese. Canad. Dairy and Ice Cream J. 24(11): 102. Nov. 1945. 44.8 C162

#### Prices, Price Control, and Rationing

8748 CHRISTIAN, C. F. New milk pricing formula; a "must" for reconversion period. Ohio Farmer 196(12): 10. Dec. 15, 1945. 6 Oh3

8749 CIRCUNSTANCIAS críticas para la industria lechera. Campesino [Santiago] 77: 519, 521, 523-524. Sept. 1945. 9.3 Sol2

Milk prices and costs.

8750 ROBERTSON, R. Alaskan milk - 40c a quart. Milk Dealer 35(2): 47. Nov. 1945. 44.8 M595

8751 WARD, G. H. Margins in distributing milk in Virginia cities. Va. Farm Econ., No. 80, p. 970. 971. Nov. 1945. 275:28 V813

Spread between producer and consumer price of milk.



8752 WOODBURN, W. B. Buying on a hundredweight or butterfat basis. Calif. Milk News 26(9): 3, 5, 10. Nov. 30, 1945. 44.8 C124  
Milk pricing.

### Processing and Storage

- 8753 BIRD, E. W. Production of butter from neutralized sour cream. Milk Plant Monthly 34(11): 39. Nov. 1945. 44.8 C864
- 8754 BURNER, J. C. Condense milk by new method. Ice Cream Field 46(5): 26, 74-75. Nov. 1945. 389.8 Ie23
- 8755 CHEESE-making in Cumberland [England]. Food [London] 14: 291-295. (To be cont.) Nov. 1945. 389.8 F738
- 8756 DUEVER, MRS. L. Butter. Amer. Dairy Goat News 7(6): 13. Dec. 1945. 40.18 Am34  
Manufacture of goat butter.
- 8757 ERICKSON, J. S., and LONG, H. F. Quick cooling of cream improves butter. Food Indus. 17: 1299-1301, 1428, 1430, 1432. Nov. 1945. 389.8 F737
- 8758 FOUTS, E. L., and MULL, L. E. The manufacture of cultured buttermilk. South. Dairy Prod. J. 38(6): 22, 24-25. Dec. 1945. 44.8 So83
- 8759 FREIDEL, E. H. The trend toward pasteurized milk cheese. (Condensed.) Natl. Butter and Cheese J. 36(12): 82-83. Dec. 1945. 286.85 B89Bu
- 8760 LEE, H. So you want to be a grocer! Article No. 15. The art of cutting a whole cheese correctly. Canad. Grocer 59(23): 16. Dec. 1, 1945. 286.83 C162
- 8761 LESAGE. Habría Pasteur pasteurizado la leche? Pro-Vida 26(290): 23. Nov. 1945. 475 P942
- 8762 LUNDQUIST, N. S. Research in dairy production is done at Western Washington Experiment Station. Pacific Northwest Farm Bur. News 19(12): 10. Dec. 1945. 275.293 Washington
- 8763 MATTSON, C. H. Frozen milk. Land O'Lakes News 25(11): 11. Nov. 1945. 44.8 L22
- 8764 PROCTER, F. The Society of Dairy Technology. Dairy Indus. 10: 728, 727. Oct. 1945. 44.8 D1427
- 8765 SPROULE, W. H. Address. Ontario Cheese Prod. Assoc. Rpt. (1944) 11: 11-12. 44.9 On8  
Care and handling of milk needed to assure high quality cheese.

### Statistics

- 8766 SCHWEIZERISCHES BAUERNSEKRETARIAT. Milch-statistik der Schweiz 1943. Landw. Jahrb. der Schweiz 58: 643-700. 1944. (Statistische Schriften. No. 3) 17 L23  
Text in German and French.

### FEED AND FORAGE CROPS

- 8767 BAUMGARTEN, W., MATHER, A. N., and STONE, L. Glutamic acid content of feed materials. Cereal Chem. 22: 514-521. Nov. 1945. 59.8 C33
- 8768 BELL, E. W. Grain crop high; protein feed low. Mass. State Col. Ext. Farm Econ. Facts, Nov. 15, 1945, p. 2. 275.29 M381Fa  
Feed situation in Massachusetts.
- 8769 BERGER, W. C. The feed situation—review and outlook. Feedstuffs 17(48): 24, 26, 28-34. Dec. 1, 1945. 286.81 F322
- 8770 BERGER, W. C. Our feed problem. Flour & Feed 46(6): 34-35. Nov. 1945. 298.8 F66
- 8771 BUCHANAN, M. T. Feed situation for State is given study. Pacific Northwest Farm Bur. News (Wheat League Sect.) 19(12): 20. Dec. 1945. 275.293 Washington
- 8772 DICKINSON, C. L. The feed picture. G. L. F. Week 10(22): 1. Nov. 26, 1945. 280.28 G113W

8773 DOTY, D. M. Report on fluorine in feeds. Assoc. Off. Agr. Chem. J. 28: 773. Nov. 15, 1945. 381 As7

### Method of analysis.

- 8774 FALCONER, J. Y. Feed sales in Ohio. Ohio Agr. Expt. Sta. Bimo. B. 30: 152. July/Aug. 1945. 100 Oh3S
- 8775 FRAPS, G. S., and OGIER, T. L. Moisture in feed samples. Flour & Feed 46(7): 20. Dec. 1945. 298.8 F66
- 8776 HENDRIX, C. H. We must learn to work together feed dealers told. Feed Bag 21(11): 78, 118. Nov. 1945. 389.78 F32
- 8777 HOEKZEMA, J. P. Are we utilizing corn cobs to best advantage? Some feed lot experiments and the results—what are cobs worth? Farmers Guide 101(23): 16. Dec. 1, 1945. 6 In2
- 8778 KUZMESKI, J. W. Report on soluble chlorine in feeding stuffs. Assoc. Off. Agr. Chem. J. 28: 772. Nov. 15, 1945. 381 As7  
Method of analysis.
- 8779 LOWRY, G. One-stop farm store pays off for Nichols brothers. Poultry Supply Dealer 22(11): 13, 54. Nov. 1945. 47.8 B11  
Operation of the Versailles Feed and Produce Company, Versailles, Mo.
- 8780 PETERSON, A. W. Shortages in feeds forecast. Pacific Northwest Farm Bur. News (Wheat League Sect.) 19(12): 20. Dec. 1945. 275.293 Washington
- 8781 RANDLE, S. B. Report on fat in cooked animal feeds containing cereals (acid hydrolysis). Assoc. Off. Agr. Chem. J. 28: 768-770. Nov. 15, 1945. 381 As7  
Method of analysis.
- 8782 TAYLOR, J. J. Report on crude fat or ether extract. Assoc. Off. Agr. Chem. J. 28: 770-771. Nov. 15, 1945. 381 As7  
Method for determining fat in feed mixtures.
- 8783 WALKER, L. S. Report on feeding stuffs. Assoc. Off. Agr. Chem. J. 28: 767-768. Nov. 15, 1945. 381 As7  
Method of analysis of feed.
- 8784 WALKER, L. S. Report on filtration aids in crude fiber determination [in feeds]. Assoc. Off. Agr. Chem. J. 28: 771-772. Nov. 15, 1945. 381 As7
- 8785 WARD, G. H. The feed situation. Va. Farm Econ., No. 79, p. 961, 963. Oct. 1945. 275.29 V813

### FIBERS AND TEXTILES

- 8786 ARGENTINA. COMISIÓN NACIONAL DE GRANOS Y ELEVADES. DIRECCIÓN DE ECONOMÍA Y COMERCIO DE GRANOS. Comercialización y exportación argentina de lino, año agrícola-comercial 1944. Argentina. Comn. Nac. de Granos y Elevados. B. Inform. 9: 192-197. Sept. 30, 1945. 286.81 Ar3  
Statistical.
- 8787 ASTBURY, W. T. The molecular structure of fibres; a review of the present position. Textile Inst. J. 36: P154-P155. Oct. 1945. 73.9 T31
- 8788 ATMOSPHERIC effects in textile processing, by "Technicus." Textile Rec. 63(753): 51-52, 63. Dec. 1945. 304.8 T311  
Includes effect of atmospheric conditions on cellulose fibers and wool.
- 8789 BAKEWELL, R. D. Wool matters - report to the [Victoria] Chamber of Agriculture. Austral. Farm and Home 54: 322, 324. Sept. 29, 1945. 23 Au7
- 8790 BELLWOOD, L. Cotton in the wool industry; how co-operation can assist both sections. Textile Weekly 36: 982, 984, 986. (Concl.) Nov. 23, 1945. 304.8 T3127  
Utilization of cotton in the wool industry.



- 8791 BENNETT, H. G. Between the cotton rows. Okla. Cotton Grower 24(7): 1-2. Nov. 15, 1945. 72.8 Ok4  
The cotton industry in Oklahoma.
- 8792 BENNETT, H. G. Let's quit low-rating and start "high-rating" cotton! Mid-South Cotton News 23(13): 1. Dec. 1945. 72.8 C8295
- 8793 BOHM, L. The frictional properties of wool fibres in relation to felting. Soc. Dyers and Colourists. J. 61: 278-283. Nov. 1945. 306.9 Sol
- 8794 BONNET, F. Rayon: how it came into being - its development and future. Indian Textile J. 56 (661): 46-49. Oct. 1945. 304.8 In2
- 8795 BRAINARD, H. G. Price control in the cotton textile industry. South. Econ. J. 12: 151-160. Oct. 1945. 280.8 So84
- 8796 CARPENTER, E. A. Post-war marketing of cotton and rayon; methods that can win world support. Gt. Brit. and East 61(1752, Textile Sup.): xix-xx. Oct. 1945. 286.8 N27
- 8797 CHONG, T. Y. China's woollen textile industry looks ahead. Gt. Brit. and East 61(1752, Far East Issue): 75F-76F. Oct. 1945. 286.8 N27  
Includes the wool market situation.
- 8798 CLIBBENS, D. A. A comparative study of some properties of kapok. Gt. Brit. Imp. Inst. B. 43: 180-209. July/Sept. 1945. 26 G79
- 8799 CROSTON, C. B., EVANS, C. D., and SMITH, A. K. Zein fibers; preparation by wet spinning. Indus. and Engin. Chem., Indus. Ed. 37: 1194-1198. Dec. 1945. 381 J825
- 8800 FAWCETT, C. J. Our wool industry faced with serious threat for postwar. Natl. Live Stock Prod. 24(2): 8, 20. Nov. 1945. 280.38 N21
- 8801 GARRARD, W. M. Merchandising cotton cooperatively through the Staple Cotton Cooperative Association. Staple Cotton Rev. 23(11): 2-4. Nov. 1945. 72.8 St22
- 8802 GIVENS, J. H., and others. Continuous and staple fibre plants of Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 377, 223 p., processed. Washington, 1945. 157.8 R29  
E. Riggs, L. L. Leach, and A. R. Urquhart, joint authors.
- A survey of the German synthetic fiber industry.
- 8803 GRIFFIN, W. B. Tintura del algodón en rama; sus efectos sobre la fibra y la hilatura. Textiles Panamer. 5(1): 41, 43-44, 47-48. Jan./Feb. 1945. 304.8 T3142
- 8804 GWALTNEY, E. C. Spinning blends on the cotton system. (Excerpts.) Canad. Textile J. 62 (25): 48, 50. Dec. 14, 1945. 304.8 C16  
Handling rayon staple fiber and wool on the cotton spinning system.
- 8805 HAYNES, W. The sad plight of cotton. Sat. Evening Post 218(23): 20, 125-126. Dec. 8, 1945. 110 S
- 8806 HEMBURY, SIR W. H. Cotton in the (Anglo-Egyptian) Sudan. Gt. Brit. and East 61(1752, Textile Sup.): xiv-xvii. Oct. 1945. 286.8 N27
- 8807 IYER, R. R. Effect of twist on cotton yarn. Indian Textile J. 56(661): 42-45. Oct. 1945. 304.8 In2
- 8808 JELLEME, W. O. Mill man discusses recent trends in cotton buying. Cotton Digest 18(10): 6-7, 14. Dec. 1, 1945. 286.82 C822
- 8809 KEMPSKI, E. El ramo en la Argentina. Chacra 16(181): 14-15. Nov. 1945. 9 C34  
Utilization of the fiber.
- 8810 LANG, W. R. Growth changes in "tender" wool. Textile Inst. J. 36: T243-T248. Oct. 1945. 73.9 T31  
Discussion, p. T248-T252.  
The thickness factor in fibers composing a staple.
- 8811 LOW, A. M. Textiles from the test-tube; research on synthetic fibres. Indian Textile J. 56 (661): 63-64. Oct. 1945. 304.8 In2
- 8812 MCCALLUM, H. A. Wool fights back. Land [Sydney] (Farm and Station Ann.), No. 1763, p. 35. Sept. 12, 1945. 23 L22  
New uses for wool.
- 8813 MCMORRAN, H. Determination of fibre strength. Textile Mfr. 71: 454. Nov. 1945. 304.8 T3126
- 8814 MANITIUS, L. G. A brief review of the Polish textile industry. Textile Inst. J. 36: P158-P160. Oct. 1945. 73.9 T31
- 8815 MAXTON, J. L. Virginia wool price spreads, 1910-44 inclusive. Va. Farm Econ., No. 80, p. 966, 969. Nov. 1945. 275.29 V813  
Advantages from marketing wool through the United Wool Growers Cooperative Association, Incorporated.
- 8816 MITCHEL, J. J. Preparación e hilatura de fibras artificiales. Textiles Panamer. 5(1): 58-59, 61, 88; (2): 46, 48, 96, 98-102; (4): 48, 50, 68-70, 72, 74, 76; (5): 49, 100-102; (6): 55, 88, 90. Jan./Feb.-Mar./Apr., July/Aug.-Nov./Dec. 1945. 304.8 T3142
- 8817 NICKERSON, R. F., and HARRLE, J. A. Hydrolysis and catalytic oxidation of cellulosic materials; determination of structural components of cotton linters. Indus. and Engin. Chem., Indus. Ed. 37: 1115-1118. Nov. 1945. 381 J825
- 8818 O'MAHONEY, J. C. Wanted, a constructive wool policy for the United States. Sheep and Goat Raiser 26(3): 76-77. Dec. 1945. 45.8 Sh3
- 8819 POST-WAR wool disposal plan; factual explanation by Graziers Association of N. S. W. Country Life [Sydney] 57(18): 9; (19): 9. Nov. 2-9, 1945. 286.85 Sy2  
Second installment entitled: Wool Disposals Plan. Plan was evolved by the London Wool Conference.
- 8820 QUARTINO, R. New Zealand flax [Phormium tenax]; its cultivation and use in industry. Rev. River Plate 99(2811): 20-23. Oct. 26, 1945. 286.8 R32  
Text also in Spanish, p. 42-45.
- 8821 R., J. Carding developments in relation to modern spinning technique. Textile Rec. 63(753): 40-41. Dec. 1945. 304.8 T311  
Cotton carding.
- 8822 RANDELL, C. G. Colombian farmers use cotton co-ops. News for Farmer Coops. 12(8): 7-8. Nov. 1945. 166.2 N47
- 8823 ROCHE, MRS. T. Wool important to every Australian; slump in prices would be serious blow to entire national economy. Farmer and Settler 40(41): 5. Nov. 9, 1945. 23 F226
- 8824 ROSS, I. C. The dependence of the wool industry on external trade. Austral. Q. 17(3): 39-45. Sept. 1945. 280.8 Au7
- 8825 ROY, J. B. Une filature pour les étoupes. Terre de Chez Nous 18(9): 10, 21. Nov. 28, 1945. 7 T27  
Reviews report of operations for 1945 of the Conseil Provincial du Lin, Quebec.
- 8826 SMITH, G. Wool price factors. Westralian Farmers' News 7(312): 4. Oct. 11, 1945. 280.28 W523
- 8827 TANSILL, D. F. Cotton and rayon supply picture for 1946. Textile Colorist and Converter 67: 118-119, 147. Nov. 1945. 306.8 T31
- 8828 VAIDYANATHAN, P. Post-war wool realisations - Empire agreement. Rev. Mktg. Agr. Econ. (n. s.) 13: 268-273, processed. Oct. 1945. 286.8 M47M  
Situation and program.
- 8829 VIEJAS civilizaciones americanas fabricaron también el papel. Campesino [Santiago] 77: 537, 539. Sept. 1945. 9.3 Sol2  
The Aztec papermakers. Paper was made of agave fiber.
- 8830 WHITNEY, L. Rayon - its place in American living. Natl. Forecast Council. Proc. 1944: 37-47. 280.9 N218



- 8831 WHYTLAW, G. Man-made fibres in war and peace. (Excerpts.) Canad. Textile J. 62(25): 40-42. Dec. 14, 1945. 304.8 C16
- 8832 WILLIAMSON, H. H. Cotton's future analyzed by USDA specialist. Okla. Cotton Grower 24 (7): 1-2. Nov. 15, 1945. 72.8 Ok4
- 8833 WORLD wool guide, 8th, 1946, 160 p. Phila., Imperial Co., 1945. 225 W894
- 8834 YOUNG, H. Cotton insulation is "big business." Acco Press 23(11): 7-9. Nov. 1945. 6 Ac2
- Use of cotton for insulation.

## FRUITS, VEGETABLES, AND NUTS

- 8835 BALDWIN, H. W. Cukes as another cash crop. New England Homestead 118(22): 10-11. Nov. 24, 1945. 6 W442
- In Windham County, Conn.
- 8836 BISCHOFF, W. H. Lime growers optimistic. Amer. Eagle 40(33): 1. Dec. 6, 1945. 6 Am327
- 8837 BONNICEL, R. De la récolte de pommes de terre 1944, aux plantations 1945. B. Agr. des Hautes-Pyrénées, No. 406, p. 119-122. Dec. 1944. 14 B875
- 8838 BURDICK, R. T. The Colorado potato outlook. Spud Notes 3(7): 3, processed. Nov. 1945. 75.8 Sp9
- 8839 CALIFORNIA ALMOND GROWERS EXCHANGE. Annual report. Almond Facts 9(6): 1, 5-8. Nov./Dec. 1945. 280.28 Al62
- 8840 CALIFORNIA LIMA BEAN GROWERS ASSOCIATION. Annual report 29, 1945, 8 p. Oxnard, 1945. 280.29 Cl22
- 8841 CHAMBERS, A. W. Canning crops growers face new problems. Pacific Northwest Farm Bur. News 19(12): 1, 16. Dec. 1945. 275.293 Washington
- Situation and outlook.
- 8842 DUNCAN, R. A. Saving Oregon's filbert industry. Oreg. Dept. Agr. Agr. B. 148, p. 20-22. Dec. 1945. 2 Or3
- 8843 GAST, R. H. History of California vegetables. West. Grower and Shipper 17(1): 27, 29, 47, 49, 51, 53, 55, 57, 61. Dec. 1945. 280.38 W52
- 8844 GREENSHIELDS, R. M. Notes on seed potatoes in Scotland. Scotland. Dept. Agr. Farm Econ., No. 10, p. 10-12. Autumn 1945. 281.9 Sco37
- 8845 GUARNIERI, J. C. Origen y desarrollo de la vitivinicultura en el Uruguay. Rev. de la Unión Indus. Uruguay 47: 89-92. Aug. 1945. 280.8 R327
- 8846 GUGELBERG, H. L. VON. Weinerntebericht 1944 von Malenfeld. Schweiz. Z. f. Obst- u. Weinbau, No. 26, p. 466-468. Dec. 23, 1944. 80 Sch9
- 8847 HAMILTON, E. B. Wareham and the cranberry industry. Cranberries 10(7): 17-18. Nov. 1945. 80 C852
- 8848 HAZANOFF, A. Renewing the almond industry in Palestine. (In Hebrew.) Hassadeh 26: 17-19. (To be cont.) Oct. 1945. 26 H27
- 8849 HUBER, H. Vom 45er stäfer Sternenhälder. Schweiz. Z. f. Obst- u. Weinbau, No. 23, p. 414-416. Nov. 10, 1945. 80 Sch9
- Grape yields.
- 8850 HUBER, J. Betrachtungen zur diesjährigen obsterwertung. Schweiz. Z. f. Obst- u. Weinbau, No. 19, p. 351-353. Sept. 16, 1944. 80 Sch9
- Storage and marketing.
- 8851 LEWIS, L. H. Harvesting, grading and marketing pecans by farmers. For Sale, Want and Exch. B. 5(3): 1. Nov. 1, 1945. 280.38 F74
- 8852 LIVINGSTON, B. He called it: "Florida, the Land of Vitamins"; storm warnings are up throughout the citrus belt, and there may be rough weather ahead. Fla. Grower 53(12): 6, 14. Dec. 1945. 80 F6622
- An account of Secretary Anderson's trip to Florida.
- 8853 MEYER, A. Die kirschenernte 1944. Schweiz. Z. f. Obst- u. Weinbau, No. 26, p. 468-472. Dec. 23, 1944. 80 Sch9
- 8854 MEYER, E. A. Time for [vegetable] growers to reconvert. Market Growers J. 74(12): 14. Dec. 1945. 6 M34
- 8855 PEREIRA BARRETO, L. B. A viticultura no Brasil. Campo (Rio de Janeiro) 16(188): 2, 4-5. Aug. 1945. 9.2 Cl5
- 8856 PESTONIT, S. Fruticultura, fuente de riqueza. Tierra Libre 9(10): 15. Oct. 1945. 8 T443
- History of the lemon.
- 8857 RIVAS, A. La fruticultura de Mendoza tiene grandes perspectivas; casi el cincuenta por ciento de la producción se industrializa; la elaboración de vinagres. Chacra 16(181): 38-39. Nov. 1945. 9 C34
- 8858 SCHELLENBERG, A. Die mosterei nach dem grossen herbstsertrag 1943. Schweiz. Z. f. Obst- u. Weinbau, No. 13, p. 237-240; No. 14, p. 249-252. June 24-July 8, 1944. 80 Sch9
- 8859 SCHELLENBERG, A. Weinernteaussichten in der deutschen Schweiz im herbst 1944. Schweiz. Z. f. Obst- u. Weinbau, No. 19, p. 354-357. Sept. 16, 1944. 80 Sch9
- 8860 SCHELLENBERG, A. Weinernteaussichten in der deutschen Schweiz im herbst 1945. Schweiz. Z. f. Obst- u. Weinbau, No. 18, p. 314-321. Sept. 1, 1945. 80 Sch9
- 8861 SCHILLER, C. The 1945 vegetable record. West. Grower and Shipper 17(1): 23. Dec. 1945. 280.38 W52
- 8862 SCHMID, G. Thurgauische weinernte 1944. Schweiz. Z. f. Obst- u. Weinbau, No. 24, p. 433-434. Nov. 25, 1944. 80 Sch9
- 8863 SCHREIBER, W. R. Gifts of the Americas. The Brazil nut. Agr. in the Americas 5: 239. Dec. 1945. 1 F752A
- 8864 TAYLOR, H. V. The national vegetable programme. Worcestershire Agr. Chron. 13: 7-10. Mar. 1945. 10 W892
- 8865 TYACKE, R. What lies ahead of the vegetable grower; engineer and scientist may help solve the industry's problems. Land (Sydney) (Farm & Sta. Ann.), No. 1763, p. 38, 41. Sept. 12, 1945. 23 L22
- 8866 VAIDYA, V. G. Vegetable extension work in the Central Provinces. Indian Farming 6: 451-455. Oct. 1945. 22 In283
- Production campaign and encouragement to growers.
- 8867 WALLACE, R. M. The practical use of cold storage in the marketing of our apple crop. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1944) 81: 73, 75-78. 82 N85
- Discussion, p. 78-79, 82-85, 87, 89-91.
- Cold storage and marketing methods of Norfolk Co-operative Fruit Company, Simcoe, Ont.
- 8868 WILCOX, F. R. The 1946 and long-time outlook for California-Arizona citrus fruit. (Sum.) Calif. Citrog. 31: 38. Dec. 1945. 80 Cl25
- 8869 WILCOX, F. R. Prospects for citrus. Calif. Cult. 92: 657, 677. Dec. 8, 1945. 6 Cl2

## Analysis and Composition

- 8870 BIBBY, C. I. The antioxidant properties of the vegetable phosphatides. Food Manufacture 20: 441-443, 448. Dec. 1945. Ref. 389.8 F736
- 8871 BRIANT, A. M., PERSONIUS, C. J., and CASSEL, E. G. Physical properties of starch from potatoes of different culinary quality. Food Res. 10: 437-444. Sept./Oct. 1945. 389.8 F7322
- 8872 MICHEL, A. Contribution à l'étude chimique des jus de raisin et des jus de fruits commerciaux. Off. Internat. du Vin. B. 18(171/174): 91-100. May/Aug. 1945. 390.8 B87
- 8873 SMITH, O. Potato mealiness determined by specific gravity. Farm Res. (N. Y. State Sta.) 11 (4): 13-14. Oct. 1, 1945. 100 N48A

Consumption and Utilization

- 8874 DOWSETT, C. P. Fruit consumption in Australia. Rural Bank N. S. Wales. Farm Front 3: 147-149, processed. Oct. 1945. 281.9 R883 Statistical.
- 8875 HALPERIN, Z. How tartrates are recovered from winery wastes. Pt. II. Food Indus. 17: 1291, 1436. Nov. 1945. 389.8 F737
- 8876 NOTT, G. A. Apple juice - an answer to the cull apple problem. Worcestershire Agr. Chron. 13: 77, 79, 81. Mar. 1945. 10 W892
- 8877 RASMUSSEN, M. P. Family income and quantities of fruits sold during wartime. N. Y. Agr. Col. (Cornell). Farm Econ., No. 147, p. 3752-3755. Oct. 1945. 280.8 C812
- 8878 ROWLAND, B. W. The use of guar (Cyanopsis) in paper manufacture. Paper Mill News 49(68): 44, 46, 48, 50, 52. Dec. 8, 1945. 302.8 P195  
Also in Chemurg. Digest 4: 369, 371-375. Dec. 15, 1945. 381 N213Na

Distribution, Marketing, and Transportation

- 8879 BOMFORD, J. F. The marketing and distribution of vegetables. Worcestershire Agr. Chron. 13: 27-29. Mar. 1945. 10 W892
- 8880 HAYDEN, C. E. Idaho potato promotion. Wholesale Grocer News 20(8): 26. Nov. 1945. 286.83 W622
- 8881 HINCCHLIFFE, E. Fruit and vegetable marketing in the United Kingdom. Fruit-Grower, Fruit-er, Florist & Market Gard. 100: 299, 340-341. (Concl.) Oct. 18, Nov. 1, 1945. 80 F941
- 8882 HOBLER, A. W. Post-war merchandising of canned citrus products. South. Canner & Packer 6 (11): 15-16, 29-30. Nov. 1945. 389.8 S082
- 8883 HOGAN, E. J. Arbitrary potato contracts: growers' requests refused by Minister for Commerce. Countryman [Melbourne] (ser. 20), No. 31, p. 6. Aug. 10, 1945. 281.8 C83
- 8884 INDIA. CENTRAL AGRICULTURAL MARKETING DEPT. Agricultural marketing in India. Report on the marketing of bananas in India. India. Cent. Agr. Mktg. Dept. Mktg. Ser. 49, 63 p. Delhi, 1945. 280.39 In2
- 8885 LINDER, T. Growers markets in Georgia. Market Growers J. 74(12): 5, 42, 49. Dec. 1945. 6 M34  
Truck crops.
- 8886 SCHELLENBERG, A. Traubenwägung oder maischewägung? Schweiz. Z. f. Obst- u. Weinbau, No. 22, p. 399-400. Oct. 27, 1945. 80 Sch9
- 8887 SCOVILLE, G. P. Seasonal sale of apples; western New York and Hudson Valley compared. N. Y. Agr. Col. (Cornell). Farm Econ., No. 147, p. 3761-3764. Oct. 1945. 280.8 C812
- 8888 THAYER, E. N. Co-op post-war markets. Coop. Digest 6(6): 52. Dec. 1945. 280.28 C7896  
Marketing dried fruit.
- 8889 WALES, H. G. The Kansas City wholesale fruit and vegetable market: an historical study and appraisal of recent developments. Northwest. U. Sum. Doct. Diss. 12: 59-64. 1945. 241.8 N81

Grading, Inspection, Standardization, and Quality

- 8890 BLAIR, J. S., and AYRES, T. B. The effect of weeds on the flavor of canned peas. Canner 101 (26): 15-16. Dec. 15, 1945. 286.83 C16
- 8891 BOCK, J. F. The county horticulturist. Oreg. Dept. Agr. Agr. B. 148, p. 17. Dec. 1945. 2 Or3  
The county horticulturist enforces State horticultural laws and regulations and quarantines.
- 8892 LOTT, R. V., and BROWN, D. S. Variations in size and composition of Yellow Transparent apples packed as Ill.-U. S. No. 1. Amer. Soc. Hort. Sci. Proc. 46: 145-148. Aug. 1945. 81 Sol2

- 8893 P., E. Die anwendung der oechale-waage zur bestimmung der qualität der traubensäfte. Schweiz. Z. f. Obst- u. Weinbau, No. 20, p. 365-366. Sept. 30, 1944. 80 Sch9
- 8894 POE, G. 1945 report on certified potato seed after 2nd field inspection. Spud Notes 3(7): 4-5, processed. Nov. 1945. 75.8 Sp9

Packing and Packaging

- 8895 COLLINS, J. H. Vegetables will be dressed up; a review of progress in customer packaging in 1945. West. Grower and Shipper 17(1): 31, 33, 37. 61. Dec. 1945. 280.38 W52
- 8896 HOLLINGSWORTH, J. F. Vegetable pre-packaging experiments. New England Homestead 118(22): 8-9. Nov. 24, 1945. 6 N442

Prices, Price Control, and Rationing

- 8897 BARRATT, G. A. The price changes; Island-grown fruits and vegetables now cost less. Hawaii Farm and Home 8(11): 3, 52, 59. Nov. 1945. 25 H3191
- 8898 MILLER, O. D. "The Lord Helps Them--" a discussion of price ceilings [on fruit and vegetables]. West. Grower and Shipper 17(1): 21, 95. Dec. 1945. 280.38 W52
- 8899 RHINER, O. Die obstpreise. Schweiz. Z. f. Obst- u. Weinbau, No. 20, p. 365-367. Sept. 29, 1945. 80 Sch9

Processing and Storage

- 8900 BATRA, K. C. Chemical control of commercial fruit and vegetable products. Allahabad Farmer 19: 82-88. July 1945. 22 A15  
Preservation.
- 8901 BROCH, H. Frosted fruits an aid to quality minded pie bakers. Frosted Food Field 1(5): 5. Nov. 1945. 389.8 F922
- 8902 BROWN, L. Storing vegetables fresh is easy and cheap way to keep them. Ala. Tuskegee Inst. Ext. Negro Farmer 6(10): 3. Nov. 1945. 275.28 N31
- 8903 CALDWELL, J. S., and others. The dehydration of kale. Canner 101(25): 13-14, 16, 28, 30, 32. Dec. 8, 1945. 286.83 C16  
C. W. Culpepper, B. D. Ezell, M. C. Hutchins, and M. S. Wilcox, joint authors.
- 8904 CALDWELL, J. S., CULPEPPER, C. W., and HUTCHINS, M. C. Further comparative studies of varieties of certain fruits and vegetables for dehydration. Amer. Soc. Hort. Sci. Proc. 46: 375-387. Aug. 1945. 81 Sol2
- 8905 CALDWELL, J. S., and others. Suitability for dehydration of nineteen varieties of lima beans. Fruit Prod. J. and Amer. Food Mfr. 25: 39-46, 59. Oct. 1945. 389.8 F94  
C. W. Culpepper, M. C. Hutchins, B. D. Ezell, and M. S. Wilcox, joint authors.
- 8906 CHARLEY, V. L. S. Fruit juices; refining and sterilisation methods. Food [London] 14: 287-288. Nov. 1945. 389.8 F738
- 8907 CROCE, F. M. Preparación de membrillos al jugo. Chacra 16(181): 40-41. Nov. 1945. 9 C34
- 8908 CRUESS, W. V. A note on syrup processed dried fruits. Fruit Prod. J. and Amer. Food Mfr. 25: 38. Oct. 1945. 389.8 F94
- 8909 CULPEPPER, C. W., and CALDWELL, J. S. Studies in preservation of eastern freestone peaches. Amer. Soc. Hort. Sci. Proc. 46: 241-245. Aug. 1945. 81 Sol2
- 8910 EDGAR, A. D. Fall potato storage operation. Spud Notes 3(7): 2-3, processed. Nov. 1945. 75.8 Sp9
- 8911 FORBES, W. C. Use of frozen fruits in making jams and jellies. Frosted Food Field 1(5): 6-7. Nov. 1945. 389.8 F922



8912 HEID, J. L. Citrus products research problems. Fruit Prod. J. and Amer. Food Mfr. 25: 77-80. Nov. 1945. 389.8 F94

8913 HOFFMAN LA ROCHE, INC. Processing frozen peaches and apricots with ascorbic acid. Food Packer 26(12): 38-40. Nov. 1945. 286.83 C165

8914 HOLENSTEIN, W. Das apfelsortenproblem im zusammenhang mit der frischaufbewahrung im künstlich gekühlten keller. Schweiz. Z. f. Obst- u. Weinbau, No. 13, p. 235-237. June 24, 1944: 80 Sch9

8915 JONES, F. W. Big apple crop being processed. Frosted Food Field 1(5): 4. Nov. 1945. 389.8 F922

Includes freezing.

8916 KESSLER, H. Die beeinflussung der wasserabgabe leicht schrumpfender lagersorten. Schweiz. Z. f. Obst- u. Weinbau, No. 19, p. 335-339. Sept. 15, 1945. 80 Sch9  
Apples.

8917 KESSLER, H. Der luftgekühlte keller im dienste der obstlagerung. Schweiz. Z. f. Obst- u. Weinbau, No. 19, p. 337-349. Sept. 16, 1944. 80 Sch9

8918 KESSLER, H. Obstlagerung. Schweiz. Z. f. Obst- u. Weinbau, No. 20, p. 354-362. Sept. 29, 1945. 80 Sch9

8919 KONINCK, M. DE. Producción de "papaina." El Salvador Inst. Tec. An. 1(1): 318-319. 1944. 8 Sa34

8920 MITCHELL, C. Preservation of fruit & vegetables on the farm & in the home; apricots will soon be ripe; use them for drying and jam-making. Agr. Gaz. N. S. Wales 56: 451-452. Oct. 1, 1945. 23 N472

8921 OHLHUES, D. N. Apple juice process simplified and speeded by filtration. Food Indus. 17: 1292-1293. Nov. 1945. 389.8 F737

8922 PEDERSON, C. S. The fermentation of pickles. Canner 101(23): 20. Nov. 24, 1945. 286.83 C16

8923 RENDLE, T. The preservation of potatoes for human consumption. Chem. & Indus., No. 45, p. 354-359. Nov. 17, 1945. 382 M31C

Quick freezing, canning, and dehydration.

8924 S., V. Take care of winter vegetables. Pop. Gard. 47: 284-285. Nov. 3, 1945. 80 G1622  
Storage suggestions.

8925 SALDAÑA, F. La industrialización de la yuca. Rev. del Café 1(5): 10. Oct. 1945. 8 R3295

Manufacture of cassava flour in Puerto Rico.

8926 SIQUEIRA, F. T. DE. Relatório sobre uma viagem de observação as fabricas de amido do sul do país. Pernambuco. Sec. de Agr., Indus. e Com. B., Apr./June 1945, p. 122-127. 9.2 P423

Cassava starch industry.

8927 SMOCK, R. M. Recent developments in the storage of apples. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1944) 81: 64-65, 67-69, 71-72. 82 N85

8928 SOUTHWICK, F. W. The influence of methyl bromide on the rate of respiration and softening of apples. Amer. Soc. Hort. Sci. Proc. 46: 152-158. Aug. 1945. 81 S012

Rodent control with methyl bromide in apple cold storages.

8929 STAHL, A. L. Freezing citrus hearts saves natural goodness; taste, color, texture, and vitamins unchanged through quick freeze preservation methods. Fla. Grower 53(12): 5, 8. Dec. 1945. 80 F6622

8930 TINDALE, G. B., and MATTINGLEY, G. H. Cool storage of potatoes. Victoria. Dept. Agr. J. 43: 444-446. Oct. 1945. 23 V66J

8931 UCHOA, N. Aproveitamento econômico da nossa castanha. Assoc. Com. do Amazonas. B. 5(49): 14-17. Aug. 1945. 286.9 As7B

Shows how profits may be increased if Brazil nuts are processed for export.

8932 WOODROOF, J. G., and ATKINSON, I. S. Freezing muscadine grapes. Fruit Prod. J. and Amer. Food Mfr. 25: 52. Oct. 1945. 389.8 F94  
Also in Food Packer 26(12): 48. Nov. 1945. 286.83 C165

### Statistics

8933 ACOSTA V., L., and VARGAS O., A. Monografías comerciales: mango; producción nacional. Mex. Dir. de Econ. Rural. B. Mens., No. 234, p. 978-993. Nov. 1945. 254.5 Ag83  
Statistical.

### GRAIN AND GRAIN PRODUCTS

8934 ALBERTA WHEAT POOL. Annual report 1943/44, 84 p. Calgary, 1944. 280.39 A112

8935 ALBIZZATI, C. M. J. La tipificación de la producción harinera [Argentina]. "Granos" Semilla Selecta 9(4/6): 3-12. Apr./June 1945. 9 G762

8936 ANDERSON, J. A., AITKEN, T. R., and LEVI, I. Protein survey of western Canadian wheat, 1945 crop. Canada. Grain Res. Lab. Crop R. 18, 30 p. Ottawa, 1945. 59.9 C161P

8937 ANDERSON, J. A., SACKSTON, L. K., and LEVI, I. The quality of western Canadian barley, 1944 crop. Canada. Grain Res. Lab. Crop B. 15, 19 p., processed. Ottawa, 1944. 59.9 C161Qu

8938 ARGENTINA. COMISIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN DE ECONOMÍA Y COMERCIO DE GRANOS. Composición varietal del área sembrada con trigo en el decenio 1935/44. Argentina. Comm. Nac. de Granos y Elevadores. B. Inform. 9: 174-188. Sept. 30, 1945. 286.81 Ar3  
Statistical.

8939 ARGENTINA. COMISIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN DE ECONOMÍA Y COMERCIO DE GRANOS. Situación internacional del trigo para la campaña agrícola 1945/46. Argentina. Comm. Nac. de Granos y Elevadores. B. Inform. 9: 197-201. Sept. 30, 1945. 286.81 Ar3

8940 BATH, T. H. The world needs bread. Land [Sydney] (Farm and Sta. Ann.), No. 1763, p. 29, 31. Sept. 12, 1945. 23 L22

Future of the Australian wheat industry.

8941 BLETTLE, G. L. New wheat crop from miller's viewpoint. Assoc. Oper. Millers. B., Nov. 1945, p. 1475. 298.8 As7

8942 BRAGADÍN, E. A. La producción arrocerá en nuestro país; su desenvolvimiento y estado actual. "Granos" Semilla Selecta 9(1/3): 3-12. Jan./Mar. 1945. 9 G762

Statistical, for Argentina.

8943 BRINKLEY, H. L. Rice in the post-war period. Rice J. 48(10): 8. Oct. 1945. 59.8 R36

8944 CANNELL, L. D. The freight rate structure and its effect on the price and movement of Northwest wheat. Wash. State Col. Bur. Econ. and Business Res. B. 2, 78 p. Pullman, 1945. 280.9 W272

8945 CHORNY, E. La avena y cebada argentina como forrajes de exportación. "Granos" Semilla Selecta 9(1/3): 13-23. Jan./Mar. 1945. 9 G762

8946 CHOUSSY, F. Bases para la apreciación de las causas de la crisis del maíz en El Salvador. El Salvador. Inst. Tec. An. 1(1): 403-409. 1944. 8 Sa34

8947 ELLIS, M. G. Tangle on barley is expected. Family Herald and Weekly Star 76(49): 19. Dec. 5, 1945. 7 F21

The situation in the Canadian barley industry.

8948 FOSNOT, R. H., and HAMAN, R. W. A photometric evaluation of the "Appearance" of various malt syrups as influenced by storage conditions. Cereal Chem. 22: 522-530. Nov. 1945. 59.8 C33

8949 GLABAU, C. A. The baking characteristics of the 1945 northwestern flour. Bakers Weekly 128 (9): 49-51, 66. Nov. 26, 1945. 389.9 B172

- 8950 GOTT, P. P. Confectioners study rice polishings. *Rice J.* 48(10): 6. Oct. 1945. 59.8 R36
- 8951 HARTARD EBERT, M. Nuestra producción de arroz. *Campesino* [Santiago] 77: 501-502. Sept. 1945. 9.3 Sol2  
Statistical, for Chile.
- 8952 HARTARD EBERT, M. Siembras y cosechas de trigo en el país. *Campesino* [Santiago] 77: 515, 517, 520. Oct. 1945. 9.3 Sol2  
Statistical.
- 8953 HIGGINS, F. H. California looks at the South's rice harvest. *Rice J.* 48(10): 14, 16. Oct. 1945. 59.8 R36
- 8954 HOWE, M., and GLICK, D. Activity-pH relationships and inhibition of proteolytic enzyme activity of milled fractions of wheat. *Cereal Chem.* 22: 502-513. Nov. 1945. Ref. 59.8 C33
- 8955 JOHNSON, L. Filth in flour and corn meal. *Assoc. Oper. Millers. B.*, Dec. 1945, v. 1481-1482. 298.9 As7
- 8956 JONES, C. R., and HUTCHINSON, J. B. On a factor in oat bran markedly antagonistic to baking quality of wheat flour. *Cereal Chem.* 22: 538-546. Nov. 1945. 59.8 C33
- 8957 KNIBB, D. V. 185-year-old mill is still a going small business. *Dom. Com.* 33(12): 7-8. Dec. 1945. 157.54 D713  
A brief history of the Beverley Mill in Prince William County, Va.
- 8958 LUDRICK, J. N. Oklahoma turns to popcorn. *Market Growers J.* 74(12): 12, 49. Dec. 1945. 6 M34
- 8959 LUEDEMANN, L. H. New (1945) Michigan wheat crop from the chemist's viewpoint. *Assoc. Oper. Millers. B.*, Nov. 1945, p. 1474. 298.8 As7
- 8960 MCCANCE, R. A., and others. The chemical composition of wheat and rye and of flours derived therefrom. *Biochem. J.* 39: 213-222. 1945. 382 B52  
E. M. Widdowson, T. Moran, W. J. S. Pringle, and T. F. Macrae, joint authors.
- 8961 MACEACHRON, P. A. Let's build a real flour program. *G. L. F. Week* 10(22): 4. Nov. 26, 1945. 280.28 G113W
- 8962 MCKENZIE, C. D. Milling in the post war period. *Assoc. Oper. Millers. B.*, Dec. 1945, p. 1478. 298.9 As7
- 8963 MARINO, A. E. Aspectos de calidad en el maíz argentino. "Granos" *Semilla Selecta* 9(4/6): 21-27. Apr./June 1945. 9 G762
- 8964 MERCADO DE CEREALES A TERMINO DE BUENOS AIRES. Memoria, 37th, 1944/45, 31 p. Buenos Aires, 1945. 280.39 B87
- 8965 PERRETT, C. J. Wheat in wartime; wartime circumstances have involved modification of production and marketing technique [Australia]. *Food Front* 2(4): 28-34. Sept. 1945. 281.8 F73
- 8966 PERU. MINISTERIO DE AGRICULTURA. DIRECCIÓN DE AGRICULTURA. Estadística de la producción de arroz en el Perú, 1943, 24 p. Lima, 1945. 255.8 Ag8Ba
- 8967 POEHLMAN, J. M. Wheat before the mill. *Assoc. Oper. Millers. B.*, Nov. 1945, p. 1472-1474. 298.8 As7  
The problem of quality in soft wheat and soft wheat flour.
- 8968 POWERS, A. The Pacific Northwest's first miller. *Northwest. Miller* (Milling Prod. Sect.) 224 (11): 4a, 6a. Dec. 11, 1945. 298.8 N81
- 8969 RAIKES, A. F. G. Present and future flour packages and packaging. *Mod. Miller* 72(47): 14. Dec. 15, 1945. 298.8 M72
- 8970 ROBERTSON, S. D. The wheat situation in Australia (with some reference to hay crops). *Rev. Agr. Mktg. Econ.* (n. s.) 13: 274-276, processed. Oct. 1945. 286.8 N47M
- 8971 ROSE, V. Durum acreage trend seen cutting macaroni output; semolina production dip may preclude selling for export trade. *Macaroni J.* 27(7): 6, 26. Nov. 1945. 298.8 N46
- 8972 SANFORD EVANS STATISTICAL SERVICE. Grain trade year book 1944-45; full Canadian grain statistics, with summary tables for principal foreign countries and world's production and movement, v. 25. 104 p. Winnipeg? 1945. 286.3599 C16
- 8973 SANFORD EVANS STATISTICAL SERVICE. Wheat yield by towns, 1945, 24 p. Winnipeg, 1945. 281.3599 Ev1
- 8974 SCHWAIN, F. R. Report of the 1944-45 Committee on Testing Biscuit and Cracker Flours [of American Association of Cereal Chemists]. *Cereal Chem.* 22: 553-558. Nov. 1945. 59.8 C33
- 8975 SIBBITT, L. D., and HARRIS, R. H. Comparisons between some properties of mixograms from flour and unsifted whole wheat meal. *Cereal Chem.* 22: 531-538. Nov. 1945. 59.8 C33
- 8976 SIMMONS, H. M. A chemist looks at the 1945 soft wheat crop. *Assoc. Oper. Millers. B.*, Nov. 1945, p. 1477. 298.8 As7
- 8977 SIMPSON, H. L. A wheat pool without humbug; wheat price stabilisation and control and how it can be implemented under the present constitution. *Countryman* [Melbourne] (ser. 20), No. 22, p. 4. June 8, 1945. 281.8 C83
- 8978 SOARES TELLES, I. P. DE. Qué se entiende por granos de cereales laminados o arrollados. "Granos" *Semilla Selecta* 9(1/3): 43-44. Jan./Mar. 1945. 9 G762
- 8979 THORNE, C. B., and others. Evaluation of malts for production of alcohol from wheat. *Indus. and Engin. Chem., Indus. Ed.* 37: 1142-1144. Nov. 1945. 381 J825  
R. L. Emerson, W. J. Olson, and W. H. Peterson, joint authors.
- 8980 TROTZIG, E., PALMER, J., and WALLER, E. Høstskådens kvalitet. *Lantmannen* 29: 886-890. Oct. 6, 1945. 11 L234  
Quality of the grain crop.
- 8981 TRUM, G. W. Analyzing the 1945 wheat crop. *Assoc. Oper. Millers. B.*, Dec. 1945, p. 1479. 298.9 As7

## HONEY AND BEESWAX

- 8982 FATTOVICH, M. Aplicaciones domésticas de la miel. *Mundo Avíc.* 8(92): 55. Oct. 1945. 47.8 M92
- 8983 MONCRIEFF, R. W. Some honey off-flavours. *Food Manufacture* 20: 434-436. Dec. 1945. 389.8 F736

## LIVESTOCK AND LIVESTOCK PRODUCTS

- 8984 ALBAUGH, R. Elko; where sagebrush and progress combine in the Silver State. *West. Livestock J.* 24(1): 60, 62. Nov. 15, 1945. 6 P2278  
Livestock production in Elko County, Nev.
- 8985 ANDERSON, L. Angora rabbit growers go to school. *News for Farmer Coops.* 12(9): 3, 10. Dec. 1945. 166.2 N47  
American Angora Rabbit Breeders Cooperative, Palmer Lake, Colo.
- 8986 BARBER, W. E. British livestock policy; the programme continued. *Estate Mag.* 45: 281-283. Nov. 1945. 10 Es8
- 8987 BEHRNS, M. E. Rabbits my profession. *Internat'l. Com. Rabbit J.* 3(25): 77-81. Nov. 1945. 40.28 In8  
Importance of raising rabbits for meat and fur.
- 8988 BENEDICT, MRS. P. F. The value of Rex pelts. *Amer. Small Stock Farmer* 30(3): 4. Dec. 1945. 48.8 J82  
Rabbits.
- 8989 BRAYER, H. O. Texas cattle industry through the years. Pt. II. *Amer. Cattle Prod.* 27 (7): 9-11, 24. Dec. 1945. 49 P94



8990 BRIGGS, F. A. It's famous for more than scenery. Farm and Ranch 64(12): 22. Dec. 1945. 6 T31

The goat industry in Arkansas.

8991 BROWNING, A. Breeding and grading of down export lambs. Country Life [Sydney] 57(13, Fat Lamb Sup.): 3. Sept. 28, 1945. 286.85 Sy2

8992 BRUMLEY, B. B. Your 25c a carload buys a lot of service for our industry. Natl. Live Stock Prod. 24(2): 7, 22. Nov. 1945. 280.38 N21  
Scope and effectiveness of the work of the National Live Stock and Meat Board.

8993 COLEMAN, J. M. J. M. Coleman discusses Australian lamb industry. Country Life [Sydney] 57 (13, Fat Lamb Sup.): 12. Sept. 28, 1945. 286.85 Sy2

8994 CONWAY, H. M. Live stock slaughter continues far below estimates by officials. Natl. Live Stock Prod. 24(2): 12. Nov. 1945. 280.38 N21

8995 DALEY, C. J. The lamb and mutton industry of Australia. Past. Rev. 55: 768-769. Oct. 16, 1945. 23 Au75

8996 DICKEY, E. S. How may the incidence of tuberculosis in hogs be reduced? Amer. Vet. Med. Assoc. J. 107: 379-383. Dec. 1945. 41.8 Am3

Statistics show post-mortem disposition of hogs and monetary gains and losses.

8997 EBERLE, H. F. Government purchase of Australian lamb; what will come after that? Country Life 57(13, Fat Lamb Sup.): 1. Sept. 28, 1945. 286.85 Sy2

8998 ELLIS, M. G. Stockmen chart course; all phases of Saskatchewan's livestock industry are studied and recommendations made at Regina. Family Herald and Weekly Star 76(46): 10. Nov. 14, 1945. 7 F21

8999 FRANK, S. Arizona; land of contrasts and color. West. Livestock J. 24(1): 43, 94. Nov. 15, 1945. 6 F2278

Beef cattle production in Arizona.

9000 GREATHOUSE, W. S. The meat situation and its future prospects. Pacific Northwest Grocer and Meat Dealer 50(10): 11-12. Oct. 1945. 286.28 P11

9001 HAQ, I. Bone industry in India. Indian Farming 6: 458-461. Oct. 1945. 22 In283

9002 HARDENBERGH, W. The meat industry ranks high. Butchers' Advocate 118(23): 11-14. Dec. 5, 1945. 286.85 B97

9003 HRIBAR, L. R. O. P. is the answer. Internatl. Com. Rabbit J. 3(25): 29-31. Nov. 1945. 40.28 In8

Record of production in the rabbit industry in Arizona.

9004 HUGHES, E. H. More ham & bacon, please! West. Livestock. J. 24(1): 127. Nov. 15, 1945. 6 F2278

9005 INSTITUTO Nacional de Carnes. Brazil. Min. do Trab., Indús. e Com. B. 11(129): 224-262; (131): 210-225. May, July 1945. 255.3 B737A

Brazilian meat and livestock industries.

9006 KUTISH, F. What's ahead for the porker? Long time view: lard faces strenuous competition and surpluses in years ahead. Means we must shift to leaner hog type. Successful Farming 43(12): 113, 119-121. Dec. 1945. 6 Sul2

9007 MIRANDA Y PIEDRA, E. Sancti-Spiritus, positivamente una de las más importantes zonas ganaderas de Cuba. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(129): 4-7. July/Sept. 1945. 6 Sa53

9008 MOORE, R. Minister of Agriculture broadcasts; problems that lie ahead; pig industry in forefront. Ulster Farmer 7(46): 12-13. Aug. 1945. 10 UL7

9009 MUNRO, H. G. Efficient marketing of meat; stability of industry. Country Life [Sydney] 57 (16): 5. Oct. 19, 1945. 286.85 Sy2

Conclusion published in Country Life [Sydney] 57 (18): 5, Nov. 2, 1945, with title: Classification and Grading of Cattle for Market; Benefits of Efficient Organisation.

9010 NAERLAND, G. Sauavlen her i landet, - framtidsutsikter. Norsk Landbruk 11: 296-298. Oct. 26, 1945. 11 N8122

The sheep industry in Norway.

9011 NEW ZEALAND MEAT PRODUCERS BOARD. Annual report and statement of accounts, 23d, 1944/45, 47 p. Wellington, 1945. 50.9 N48

9012 PEMBERTON, R. L. What's ahead for the porker? Short time view; costs in 1946 will be high, profits low. Don't be stampeded into glutting market if you want too price. Successful Farming 43 (12): 112, 116-117. Dec. 1945. 6 Sul2

9013 PETERSON, L. E. Hides and leather in Paraguay. Serv. Téc. Interamer. de Coop. Agr. Indus. Plan for Paraguay. Comm. Rpt. 1, rev., 25 p., processed. Asunción? 1945. 280.9 Se62

9014 POLLOCK, R. C. The Nation's meats. Chester White J. 35(11): 4-6. Nov. 1945. 46.8 W582

9015 REED, H. E. H. E. Reed sees more meat for domestic trade in 1945-46. Natl. Provisioner 113(19): 127, 128, 130-131. Nov. 10, 1945. 286.85 N21

9016 REED, H. E. The meat situation. Sheepman 16: 258-259, 303. Dec. 1945. 45.8 Sh32

9017 REED, H. E. When will controls cease? Meat 23(6): 50, 52. Nov. 1945. 286.85 M464

Problems of the meat industry.

9018 REEVES, F. Looking around—and ahead in the cattle-feeding Cornbelt. Amer. Hereford J. 36 (14): 18, 100-101. Nov. 15, 1945. 43.8 Am32

9019 SIMONS, J. A. Rabbits...our post-war problem. Amer. Small Stock Farmer 30(3): 3. Dec. 1945. 48.8 J82

9020 SUMMERS, G. P. Wool and lamb outlook. Sheepman 16: 259, 301. Dec. 1945. 45.8 Sh32

#### Analysis and Composition

9021 MOSIMANN, W. Die bakterielle besiedlung frischer und getrockneter Kälberlabmägen mit besonderer Berücksichtigung der thermophilen säuerungsflora. Landw. Jahrb. der Schweiz 58: 715-801. 1944. Ref. 17 L23  
Résumé in French, p. 792-793.

9022 SMITH, F. H., BRADY, D. E., and COMSTOCK, R. E. Rancidity of bacon; effect of antioxidants. Indus. and Engin. Chem., Indus. Ed. 37: 1206-1209. Dec. 1945. 381 J825

#### Consumption and Utilization

9023 BLAKE, R. Demand exceeds supply; recent relaxation in control encourages enterprise among fur breeders. Poultry World 77: 217. Nov. 2, 1945. 47.8 P8682

Uses for rabbit pelts.

9024 URQUIZU VILLALBA, R. La cría del conejo en Cuba. Fomento (monthly), No. 23, p. 21, 26. Sept. 1945. 8 F734

Rabbits as a source of meat, fur, and fertilizer.

#### Distribution, Marketing, and Transportation

9025 ANDERSON, N. Problems of consumer acceptance. Butchers' Advocate 118(21): 11-12. Nov. 21, 1945. 286.85 B97

Retailing prepackaged fresh and frozen meat.

9026 ASHBY, R. C. Marketing live stock requires "Know How." Natl. Live Stock Prod. 24(3): 13, 19. (To be cont.) Dec. 1945. 280.38 N21

9027 BANKS-AMERY, W., and HINTON, R. C. Marketing in Britain of Australian lamb; forecast of peace-time demand; price, weight and quality factors. Country Life [Sydney] 57(14): 4. Oct. 5, 1945. 286.85 Sy2

9028 BEAR, L. K. Purebred business. Sheepman 16: 254. Dec. 1945. 45.8 Sh32  
Sheep marketing.

- 9108 LOGAN, J. A. The challenge: keep [poultry and egg] consumption high. U. S. Egg & Poultry Mag. 51: 513. Oct. 1945. 286.85 Eg3
- 9109 LONG, D. R. Where does the money go? Producers get a large share of every dollar the consumer spends for poultry products. U. S. Egg & Poultry Mag. 51: 515. Oct. 1945. 286.85 Eg3
- 9110 NILES, K. B., and SMITH, C. F. Selling half-turkeys moves large birds; consumers accept them readily if smaller turkeys are not available. Turkey World 20(12): 16-17, 85-86. Dec. 1945. 47.38 T84
- 9111 OVSON, L. D. Modern egg breaking [for freezing]. U. S. Egg & Poultry Mag. 51: 492-494. Oct. 1945. 286.85 Eg3
- 9112 PENNINGTON, M. E. Refrigeration... the first essential in [poultry]; quality preservation. U. S. Egg & Poultry Mag. 51: 498-500. Oct. 1945. 286.85 Eg3
- 9113 PERRY, J. L. Preserving quality is the big job in handling shell eggs. U. S. Egg & Poultry Mag. 51: 485-486. Oct. 1945. 286.85 Eg3
- 9114 ROY, J. B. Le dindon de Noël. B. des Agr. 41(12): 8, 18. Dec. 1945. 7 B872  
Turkey industry in Canada.
- 9115 SCHAUERT, P. Oil processing helps preserve freshness. U. S. Egg & Poultry Mag. 51: 488-489. Oct. 1945. 286.85 Eg3  
Oil treating shell eggs.
- 9116 SHRADER, H. L. Poultry by-products. Amer. Poultry J. 76(12): 5, 44-46. Dec. 1945. 47.8 Am32
- 9117 SMALL, M. C. Tailoring turkeys to fit market demands. U. S. Egg & Poultry Mag. 51: 457-458. Oct. 1945. 286.85 Eg3
- 9118 SMITH, E. Y. Shall I grade my turkeys? Amer. Poultry J. 76(11): 5, 30-31. Nov. 1945. 47.8 Am32
- 9119 SMITHERS, P. L., JR. Cold storage warehouses... the keystone of modern marketing. U. S. Egg & Poultry Mag. 51: 501-502. Oct. 1945. 286.85 Eg3  
Cold storage of eggs and poultry.
- 9120 SWANSON, W. C. Good market anticipated for canned poultry items. U. S. Egg & Poultry Mag. 51: 482-483. Oct. 1945. 286.85 Eg3
- 9121 TOWNSLEY, T. S. It's time to plan beyond tomorrow. Smith's Chickagrams 14(11): 1, 3. Nov. 1945. 47.8 Sm6  
Situation and outlook in the poultry industry.
- 9122 TRELEASE, R. D., and KOONZ, C. H. Quality of eviscerated poultry obtained from defrosted, dressed stock. Food Res. 10: 373-378. Sept./Oct. 1945. 389.8 F7322
- 9123 VIEGAS AURELIO, J. L. Inspección sanitaria de los huevos de consumo. Mundo Avíc. 8(92): 4-6. Oct. 1945. 47.8 M92
- 9124 WADHAMS, P. Poultry and eggs from cooperatives. Conn. Prog. 6(10): 1. Oct. 1945. 280.8 C7633  
Cooperative marketing of eggs in Connecticut.
- 9125 WARD, G. H. The egg and poultry situation. Va. Farm Econ., No. 79, p. 958, 961. Oct. 1945. 275.29 V813
- 9126 WARREN, C. C. Where is the floor? Turkey World 20(11): 20, 79-80. Nov. 1945. 47.38 T84  
Support prices on turkey.
- 9127 WASMUTH, J. Futures trading [of eggs]. U. S. Egg & Poultry Mag. 51: 503-505. Oct. 1945. 286.85 Eg3

## RUBBER AND RUBBER SUBSTITUTES

- 9128 COLLYER, J. L. America's rubber outlook. Natl. Forecast Council. Proc. 1944: 22-34. 280.9 N218

- 9129 KRISMANN, E. H. El neopreno y otros cauchos sintéticos en la industria textil. Textiles Panamer. 5(4): 32. July/Aug. 1945. 304.8 T3142  
Chiefly on the history of the rubber industry.
- 9130 MENDES, A. Organização da indústria agrícola da seringueira. Rev. Rural Bras. 25(300): 28-29. Aug. 1945. 9.2 B733  
Findings of Jacques Hüber in 1913 on the Amazon rubber industry.
- 9131 THE RUBBER industry; some post-war problems. Indus. Chem. 21: 582-586. Nov. 1945. 382 In22

## SEEDS

- 9132 CAMPOVASCO, J. Ayalaya; la gran tarea que se presenta ante las estaciones de mejora de semillas. Surco [Madrid] 4(42): 23-25. Aug. 1945. 15 Su7  
Seed testing.
- 9133 CANADIAN SEED GROWERS' ASSOCIATION. Summary of C. S. G. A. annual meeting proceedings, June 19 and 20, 1945; Alex. M. Stewart, chairman. Canad. Seed Growers' Assoc. Ann. Rpt. 1944/45: 36-43. 61.9 C16
- 9134 GADD, I. Hur är årets höstutskäde beskaffat? Lantmannen 29: 865-867. Sept. 29, 1945. 11 L234  
On the quality of this fall's wheat and rye seed.
- 9135 GAVRIELIT-GELMOND, H. Testing the quality of seeds in the laboratory. (In Hebrew.) Hassadeh 25: 577-579. Aug./Sept. 1945. 26 H27
- 9136 HERTZ, E. C. Beretning om en gros salget 1944-45. Tidsskr. for Frøavl 17: 297-301. Nov. 1945. 61.8 T43  
Production and export of grass and root crop seed in Denmark, 1944-45.
- 9137 JOY, H. A. The flower seed situation. South. Seedsman 8(11): 12, 51. Nov. 1945. 61.8 So8
- 9138 MALIK, S. J. Development of seed industry in India. Seed World 58(10): 34, 36. Nov. 16, 1945. 61.8 Se52
- 9139 NEETHLING, J. H. The production of vegetable seed. Farmer [Pietermaritzburg] 34(40): 7. Oct. 5, 1945. 24 F227  
Need for production of suitable varieties and for control over production.
- 9140 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Research and the farmer VI. Seeds. North. Ireland. Min. Agr. Monthly Rpt. 20: 162-164. Oct. 1945. 256.13 Ag82M  
Seed testing and certification.
- 9141 OREGON SEED GROWERS LEAGUE. Proceedings, 3d, 1944, 52 p. Salem, 1944. 61.9 Or3
- 9142 PORTER, R. H. Seed testing and extension work at [the Seed Laboratory at Iowa State College, Ames. Seed World 58(10): 38, 40. Nov. 16, 1945. 61.8 Se52
- 9143 PORTER, R. H. Standard Reference Laboratory work is explained. Seed Trade News 45(21): 1, 5. Nov. 21, 1945. 61.8 Se3
- 9144 STEWART, A. M. President's address. Canad. Seed Growers' Assoc. Ann. Rpt. 1944/45: 33-35. 61.9 C16  
Work of the association and the seed industry.
- 9145 TEXAS. DEPT. OF AGRICULTURE. DIVISION OF FIELD SEED CERTIFICATION. 1944 seed directory; registered plant breeders and certified seed growers licensed to produce State registered and State certified planting seed - complete for 1944 season, 16 p. Austin, 1944. 225 T3152
- 9146 WARD, W. B. Next to men and guns comes seeds. Cornell Countryman 43(1): 3-4. Nov. 1945. 6 C81  
Role of American seeds in the rehabilitation of Europe.
- 9147 YOUNG, M. Canadian wartime seed production and distribution. Canad. Seed Growers' Assoc. Ann. Rpt. 1944/45: 7-20. 61.9 C16



## SUGAR AND SIRUPS

- 9148 ABAD, L. V. DE. Producción y consumo de azúcar en España. Cuba Econ. y Financ. 20(236): 21. Nov. 1945. 286.8 C892
- 9149 ASOCIACIÓN GENERAL DE AGRICULTORES. SECCIÓN Gremial de Paneleros. Memorial presentado por los productores de panela a la OCPA [Oficina de Precios y Abastecimientos]. Asoc. Gen. de Agr. [Guatemala]. B. 32, p. 1, 3, 4. Nov. 10, 1945. 8 As52  
Prices of brown sugar.
- 9150 CAMPOS TURMO, R. La batalla del oro blanco. Siembra 1(1): 20-22. Jan. 1945. 15 S11  
Sugar production program for Spain.
- 9151 DODDS, H. H., and DU TOIT, J. L. Twentieth annual summary of chemical laboratory reports from South African sugar factories, season 1944-45. So. African Sugar Technol. Assoc. Proc. (1945) 19: 5-14. 65.9 So83
- 9152 DOWSETT, C. P. The sugar industry in New South Wales. Rural Bank N. S. Wales. Farm Front 3: 150-153, processed. Oct. 1945. 281.9 R883  
Statistical.
- 9153 FERREIRA, R. La caña de azúcar. Paraguay. Min. de Agr. Rev. de Agr. y Canad., No. 13, p. 27-32. Sept. 1945. 9.7 Ag8Re  
Culture and the industry.
- 9154 FREDGARDH, F., and TORNEGÅRD, O. Årets odling och skörd av sockerbetor. Lantmannen 29: 951-952. Oct. 27, 1945. 11 L234  
Sugar production in Skåne and Öland in 1945.
- 9155 GARCÍA BAYLIERES, J. L. Reseña agrícola, industrial y económica de muestra caña de azúcar. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(130): 4-7. Oct./Dec. 1945. 8 Sa53
- 9156 GOLDING, C. La industria remolachera de la Gran Bretaña. Café de Nicaragua 1(10): 33-37. Sept. 1945. 68.28 C114
- 9157 GUERRA, R. Por la unidad en el frente azucarero [Cuba]. Tierra Libre 9(10): 9. Oct. 1945. 8 T443
- 9158 IGLESIAS SELGAS, C. La industria azucarera en la post-guerra. Agricultura [Madrid] 14: 405-409. Aug. 1945. 15 Ag84
- 9159 LAMIE, R. D., and others. Deshidratación de la miel final "blackstrap." Tec. Azucarera 5 (37/38): 6-11. Oct. 1945. 65.8 T22  
M. Moore, C. F. Bonilla, and E. J. Gealy, joint authors.
- 9160 MANESS, H. Brazil's sugar industry. Agr. in the Americas 5: 223-226, 234-235. Dec. 1945. 1 J752A
- 9161 MURRAY, P. Some notes on cane milling. So. African Sugar Technol. Assoc. Proc. (1945) 19: 39-45. 65.9 So83
- 9162 NILSSON, E. H. Årets betodling i Halland. Lantmannen 29: 1009. Nov. 10, 1945. 11 L234  
Sugar beet production in 1945.
- 9163 NOBLE, K. F. Sugar industry in Queensland. Canada. Dept. Trade and Com. Com. Intel. J. 73: 545-546. Dec. 1, 1945. 286.8 C16
- 9164 OLSHAMMAR, C. A. Årets sockerbetsodling i Västergötland. Lantmannen 29: 976. Nov. 3, 1945. 11 L234  
Sugar beet production in 1945.
- 9165 SALINAS, J. G. La coyuntura para la tecnificación de la industria azucarera. Cuba Econ. y Financ. 20(236): 15-18. Nov. 1945. 286.8 C892
- 9166 SAWHNEY, D. J. B. Scheme for cane development work in Gorakhpur District. Indian Sugar 8: 339-341. Oct. 1945. 65.8 In25
- 9167 SOUTH AFRICAN SUGAR TECHNOLOGISTS' ASSOCIATION. COMMITTEE ON STANDARDIZATION OF CHEMICAL CONTROL. Report. So. African Sugar Technol. Assoc. Proc. (1945) 19: 35-36. 65.9 So83
- 9168 SRIVASTAVA, R. C., and others. Some new uses for by-products of sugar factories. Indian Sugar 7: 345. Nov. 1944. 65.8 In25  
K. S. G. Doss, N. S. Jain, and M. N. S. Gupta, joint authors.

9169 TAYLOR, F. G. Sugar talk. Mountain States Beet Grower 8(2): 3, 4-5, 6-7. Dec. 1945. 280.28 ME6

Progress of the sugar industry.

9170 THAPAR, L. K. C. Notes on the post-war regulation of sugar industry. Indian Sugar 8: 332-333, 335-338. (Concl.) Oct. 1945. 65.8 In25

9171 UPSWING in Cuba's sugarcane acreage. Foreign Com. Weekly 21(12): 7, 47. Dec. 15, 1945. 157.54 F763

Based on report by F. G. Minneman, U. S. Agricultural Attaché, Habana.

9172 YARBOROUGH, M. V. Effects of milling cane trash. Sugar B. 24: 33-85. Dec. 1, 1945. 65.9 Am32

## TOBACCO

9173 CASADO SAN GERMAN, A. Tabaco. Labor 4(97): 6. Nov. 21, 1945. 8 L11

Problems of the Cuban industry noted.

9174 DUYS, H. M. Scarcity of cigar leaf will continue next year. U. S. Tobacco J. 144(26): 5. Dec. 29, 1945. 286.89 Un3

9175 FUENTES, G. A. Cuban cigar industrial supremacy post-war studied by [Cuban Tobacco] Commission; committee of the experts to consider progressive plan for good of entire Havana tobacco trade. Tobacco [New York] 121(22): 7. Nov. 29, 1945. 286.89 T552

9176 HAYES, W. How Jersey fought the tobacco famine under Nazi rule. Tobacco [London] 65(780): 70-71. Dec. 1945. 286.89 T553

Rome production.

9177 KING, O. H. Ontario tobacco market is opened. Family Herald and Weekly Star 76(46): 14. Nov. 14, 1945. 7 F21

Survey of developments in the tobacco industry.

9178 M., R. Où il est question des prix du tabac [Canada]. Terre de Chez Nous 18(10): 4. Dec. 5, 1945. 7 T27

9179 MENDES, A. O tabaco no Pará (Nicotiana, esp. div. solanacea). Rev. Rural Bras. 25(301): 18-19. Sept. 1945. 9.2 B733

## MISCELLANEOUS PRODUCTS

9180 BRAZIL. INSTITUTO NACIONAL DO MATÉ. DIVISÃO ECONÔMICA. Boletim estatístico (movimento anual) 1944, 53 p., processed. Rio de Janeiro? 1945? 255.3 In74

9181 FLETCHER, L. Brewing trials with three new varieties of hops raised by Prof. E. S. Salmon, at Wye College, Kent; 1944 growth. Inst. Brewing. J. (n. s.) 42: 232. Sept./Oct. 1945. 390.9 In7

9182 HALL, L. Protein hydrolysates point the way to new specialty items. Natl. Provisioner 113 (24): 14. Dec. 15, 1945. 286.85 N21  
Their use to flavor food.

9183 LEGGETT, W. F. Indigo, the medieval dye. Amer. Eagle 40(33): 1, 3-4. Dec. 6, 1945. 6 Am327

9184 LEMON, J. F. Rose grower charges that smugness hampers industry's progress. Florists' Rev. 97(2505): 39-42. Nov. 29, 1945. 80 W41

9185 MYER, S. The 1945 hop crop. Inst. Brewing. J. (n. s.) 42: 211-212. Sept./Oct. 1945. 390.9 In7

9186 PINNEY, J. J. Beginning in the nursery business. II. Retail salesyards--cash and carry. Amer. Nurseryman 82(9): 9-10. (To be cont.) Nov. 1, 1945. 80 Am371

9187 TAYLOR, H. Hop sampling and hop analysis. Oreg. Dept. Agr. Agr. B. 148, p. 15-16, 40. Dec. 1945. 2 Or3

9188 TOUSLEY, R. D. The economics of industrial alcohol. Wash. State Col. Bur. Econ. and Business Res. B. 3, 69 p. Pullman, 1945. 280.9 W272

9189 YOUNGER, J. O., and ARONOVSKY, S. I. Physical evaluation of straw and other agricultural residue pulps. Fibre Containers 30(11): 70, 72. Nov. 1945. 286.8 F44

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGYGENERAL

9190 BABCOCK, H. E. A common program for industry and agriculture. (Address.) Natl. Forecast Council. Proc. 1944: 111-113. 280.9 N218

9191 BREWSTER, J. M. Farm opportunities: output & population growth. Land Policy Rev. 8(4): 8-11. Winter 1945. 1 Ec7La

9192 BROWN, A. A. Uncertainty keynotes economic picture. Mass. State Col. Ext. Farm Econ. Facts, Nov. 15, 1945, p. 1, 2. 275.29 M381Fa

9193 COLOMBIA'S economy in 1944. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 28, 7 p. Washington, 1945. 157.54 In8

Based on report by R. M. Connell.

Includes developments in agriculture.

9194 I CONGRESSO Brasileiro da Indústria. Brazil. Min. do Trab., Indus. e Com. B. 11(129): 191-206; (130): 220-248. May-June 1945. 255.3 B737A

Recommendations include the relations between agriculture and industry.

9195 DICKENSTEIN, A. The economic institutions of the Histadrut on the threshold of the fifth year of war. Saskatchewan Consultation Com. Co-op. Farming. C. 4, 6 p., processed. Regina? 1944. 280.29 Sa73

Survey of the agricultural economy of Palestine.

9196 DIETRICH, S. DE R. Florida's war economy. II-III. Fla. U. Bur. Econ. and Business Res. Econ. Leaflets, v. 4, No. 11, 4 p.; No. 12, 4 p. Oct.-Nov. 1945. 280.9 F663

Includes discussion of population changes, employment, and agriculture.

9197 ECONOMIC situation in Central America - 1944. Part I: Honduras, Nicaragua, and Panama. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 20, 12 p. Washington, 1945. 157.54 In8

Based upon reports by A. K. Ludy, J. B. Smith, and G. Murphy.

Contains material for each country on agriculture and foreign trade.

9198 ECUADOR - economic conditions in 1944. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 19, 9 p. Washington, 1945. 157.54 In8

Based on report by W. Smith.

Includes agriculture.

9199 EGOROFF, P. P. The dynamic of Argentine agriculture and its repercussion on the economy of the country. Stanford U. Abs. of Diss. 20: 67-73. 1945. 241.8 St2

9200 FLEITES, M. A. Contribución al estudio de los recursos económicos de Cuba. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(129): 12-17, 34. July/Sept. 1945. 6 Sa53

9201 NESNESS, O. B. The farmer and nonagricultural activity. Minn. U. Agr. Ext. Farm Business Notes, No. 275, p. 1-2. Nov. 27, 1945. 275.29 M663

9202 KASBEKAR, G. S. National prosperity and the chemist. Indian Textile J. 56(661): 6-10. (To be cont.) Oct. 1945. 304.8 In2

Productive capacity of Indian agriculture and the need for cooperation between the agricultural chemist, the soil chemist, and the industrial chemist.

9203 KONJUNKTURINSTITUTET. Konjunkturläget våren 1945. With summary in English. Konjunkturinst., Stockholm. Meddel. Ser. A: 12, 106 p. Stockholm, 1945. 280.9 St6M

Changes in Swedish economy during the war.

9204 MCCLELLAND, J. Farm and industry cooperation urged at Colorado meeting. Better Farming Methods 18(8, 1. e. 2): 30. Nov./Dec. 1945. 58.8 B46

9205 OGNEV, P. Private property in the USSR. Agr. Com. Amer.-Soviet Friendship. Release 51, p. 1-3, processed. (To be cont.) Dec. 15, 1945. 20 Ag89

Discusses the economic system of the U. S. S. R., and its collectivized agriculture.

9206 PROGRAMA de labores de la Comisión Nacional de Alimentación y Agricultura para el año económico 1945-1946. Honduras Agr., año 1, No. 11/12, sup., 1 p. Sept./Oct. 1945. 8 H753

9207 RANDALL, H. M., and others. Paraguayan economic situation - 1944. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 30, 9 p. Washington, 1945. 157.54 In8

H. L. Hamlette, J. Maish, D. A. De Lima, and F. J. Cunningham, joint authors.

Agriculture, p. 1-4.

9208 RESOLUCIONES del Primer Congreso Regional de Economía celebrado en Escuintla. Rev. Cafetal. de Guatemala 1(8/9): 74-82. (To be cont.) July/Aug. 1945. 68.28 R322

Resolutions concerning general problems of Guatemalan economy, chiefly laboring conditions and standards of living.

9209 SHEPARD, C. Y. Gilbert and Ellice Islands. Trop. Agr. [Trinidad] 22: 200-202. Nov. 1945. 26 T754

Trade, population, land tenure, and livestock.

9210 SPANTON, W. T. Basic wealth and genuine prosperity are deeply rooted in the soil. Acco Press 23(12): 3-4. Dec. 1945. 6 Ac2

Relationship between agriculture and industry.

9211 STERN, J. Memorandum sobre la situación económica de los arrendatarios de Mejoramiento Social S. A., basado en datos estadísticos. El Salvador. Inst. Tec. An. 1(1): 393-400. 1944. 8 Sa34

9212 VALENCIA TANDRÓN, F. Posibilidades agrícolas e industriales del término de Encrucijada. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(129): 27-28. July/Sept. 1945. 6 Sa53

AGRICULTURAL FINANCE

9213 DAVIS, C. C. Boom and bust again? Country Gent. 115(12): 11, 83, 85, 86. Dec. 1945. 6 C833

Discusses credit and investments of farmers.

9214 KIRCHER, W. H. War veterans, even though short of cash may start farming on their own. Farmer [St. Paul], Gen. Ed. 63(23): 1, 20-21. Dec. 1, 1945. 6 F2211

9215 LOVE, H. M. The farmer's financial condition. Va. Farm Econ., No. 79, p. 957. Oct. 1945. 275.29 V813

Credit

9216 BRENNAN, G. M. How farmers get spare funds from "Surplus" areas. Farm Credit Messenger 20(2): 6-7. Oct. 1945. 284.28 F312

Chiefly an explanation of the operation of the Farm Credit Administration.

9217 CANADIAN FARM LOAN BOARD. Report, 1944/45. 24 p. Ottawa, 1945. 284.29 C16

9218 CROSBY, J. Farm loans for veterans. Calif. Cult. 92: 666. Dec. 8, 1945. 6 C12

9219 FERNÁNDEZ Y FERNÁNDEZ, R. Banco Nacional de Crédito Agrícola, S. A.: crédito agrícola. Mex. Dir. de Econ. Rural. B. Mens., No. 234, p. 994-995. Nov. 1945. 254.5 Ag83



9220 GUEVARA C., E. La Caja de Crédito Agrario [Colombia]. Vida Rural 7(73): 30-31. (Cont.) Aug. 1945. 9.4 V66

9221 M., H. N. El crédito agrario en el Banco de la Nación. Rev. de Econ. Argentina 44: 470. Sept. 1945. 280.8 R325

9222 NELSON, L. Get 'em started right. News for Farmer Coops. 12(8): 16. Nov. 1945. 166.2 N47  
On the need for explaining principles, objectives, and requirements to new member of farm loan associations.

9223 NOUVEAU crédit fédéral pour l'amélioration des fermes. B. des Agr. 41(12): 15, 29. Dec. 1945. 7 B872

Canada.

9224 SCHOENFELD, M. H., and MOCK, J. R. Benefits for ex-servicemen in five British countries and the United States. Monthly Labor Rev. 61: 900-909. Nov. 1945. 158.6 D87M

Includes loans for farming.

9225 SCHOENFELD, M. H. British benefits for veterans; how ex-servicemen are faring in Great Britain and the British Dominions. Veterans Outlook 1 (3): 1-3. Oct. 1945. 280.8 V64

Includes loans for farming.

9226 STEELE, B. J. I wanted to be a farmer. Land [Sydney] (Farm and Sta. Ann.), No. 1763, p. 6-7, 41. Sept. 12, 1945. 23 L22

Lack of capital main hindrance to getting a farm.

#### Income

9227 GOLDENWEISER, E. A., HAGEN, E. E., and GARFIELD, F. R. Jobs, production, and living standards. U. S. Fed. Reserve System. Postwar Econ. Studies 1, 85 p. Washington, 1945. 173 F31Po  
Farm income, p. 7-8.

9228 OHIO. STATE UNIVERSITY. DEPT. OF RURAL ECONOMICS. Estimated gross cash income to Ohio farmers from the sale of agricultural products and from Agricultural Adjustment Agency payments, by counties - 1943 & 1944. Ohio. State U. Dept. Rural Econ. Mimeog. B. 190, 22 p. Columbus, 1945. 281.9 Oh32

9229 RAUBER, E. L. Low income groups in southern agriculture. U. S. Fed. Reserve System. Postwar Econ. Studies, No. 2, p. 51-66. Washington, 1945. 173 F31Po

#### Inflation

9230 READ, H. Shake hands with trouble. Successful Farming 43(12): 26, 56, 66. Dec. 1945. 6 Sul2

Effect of inflation on the financial position of the farmer.

#### Insurance

9231 BENÍTEZ DE LUGO, F. Significación del seguro y del ahorro [Spain]. Siembra 1(1): 24-25. Jan. 1945. 15 S11

9232 BIRD, K. Red lights for fire insurance co-ops. News for Farmer Coops. 12(8): 15-16. Nov. 1945. 166.2 N47

9233 GARCÍA HUIDOBRO, A.C. El seguro de las sementeras. Campesino [Santiago] 77: 506-507. Oct. 1945. 9.3 Sol2

#### Taxation

9234 BAYLIS, R. Another tithe war? A new "interpretation" of tithe legislation threatens to nullify most of the advantages gained by farmers from the 1936 act. Farmers Weekly [London] 23(20): 37. Nov. 16, 1945. 10 F2226

9235 DAVIS, J. H. The true tax status of co-ops. Coop. Digest 6(6): 68-70. Dec. 1945. 280.28 C7896

9236 ELLIS, C. T. Want a tax baby for Christmas? Rural Electrification 4(3): 13, 20. Dec. 1945. 335.8 N21

Taxation of cooperatives.

9237 GALINDO HERRERA, I., and GONZÁLEZ, J. A. Impuestos a la agricultura: Estado de Tlaxcala. Mex. Dir. de Econ. Rural. B. Mens., No. 234, p. 996-1012. Nov. 1945. 254.5 Ag83

9238 GREEN, H. E. A rancher prepares his 1945 tax estimate. Westerner 8(11): 13. Dec. 1945. 49 W522

9239 HAIST, A. H. Figuring your 1945 income tax. Mich. Farmer 205: 313. Dec. 15, 1945. 6 M58

9240 HALL, I. F. Your Federal income tax - No. 3-4. Hoard's Dairyman 90: 728-729, 752-753, 769. Dec. 10-25, 1945. 44.8 H65

Contents: No. 3. Deductions for depreciation and a way to figure it. No. 4. How to record sale of animals used for work, breeding, and dairy purposes.

9241 HENDRIX, G. E. What is your net farm profit for Federal income tax? Nebr. Farmer 87(24): 5, 28. Dec. 15, 1945. 6 N27

9242 LEOPOLD, J. F. Business men want co-ops to pay taxes. South. Weekly 45(42): 4-6. Dec. 5, 1945. 280.8 So852

9243 TOBEN, G. E. Farmers' 1945 income tax returns. Minn. U. Agr. Ext. Farm Business Notes, No. 275, p. 2-3. Nov. 27, 1945. 275.29 M663

#### AGRICULTURAL LABOR AND WAGES

9244 BOWDEN, W. War and postwar wages, prices, and hours, 1914-23 and 1939-44. Pt. II.-War and postwar trends. Monthly Labor Rev. 61: 863-881. Nov. 1945. 158.6 D87M

Includes farm wages.

9245 BRIGHT, W. M. Parity or poverty? Pa. Farmer 133: 304-305. Dec. 8, 1945. 6 P383

Includes discussion of farm wages.

9246 CROSBY, J. Labor shortage forecast. Calif. Cult. 92: 670. Dec. 8, 1945. 6 C12

9247 ECCLES, D. Wages on the farm. Farmers' Gaz., North. Ireland Ed., July 1945, p. 323. 10 F2212

9248 GOLDIN, A. Requirements and organization of work in connection with winter silage. (In He-brew.) Hassadeh 25: 547-549. Aug./Sept. 1945. 26 H27

9249 HAYES, G. G. Hours of man labour. Scotland. Dept. Agr. Farm Econ., No. 10, p. 3-4. Autumn 1945. 281.9 Sco3F

9250 HAYES, G. G. The war and farm labour. Scotland. Dept. Agr. Farm Econ., No. 10, p. 8-10. Autumn 1945. 281.9 Sco3F

9251 HIGGINS, F. H. Skilled labor proved worthy of its wages. Rice J. 48(11): 3-4, 21-22. Nov. 1945. 59.8 R36

9252 HOWENSTINE, E. J., JR. Stabilizing employment by rural public works. Land Policy Rev. 8(4): 3-7. Winter 1945. 1 Ec7La

9253 HUGHES, C. E. Less toil in a day's work. Successful Farming 43(12): 22-23, 44, 46-48. Dec. 1945. 6 Sul2

Work simplification on dairy and poultry farm in Allen County, Kans.

9254 HUMPHREY, N. D. Employment patterns of Mexicans in Detroit. Monthly Labor Rev. 61: 913-923. Nov. 1945. 158.6 D87M

Includes agricultural employment.

9255 MOSER, R. E. Mass. farm labor achieves success. Mass. State Col. Ext. Farm Econ. Facts, Nov. 15, 1945, p. 1, 2, 4. 275.29 M381Fa

9256 NATIONAL CHILD LABOR COMMITTEE. Child labor--as we move from war to peace. Annual report, 1944/45, 21 p. N. Y., 1945. 283 N214

Includes employment of children in seasonal farm labor.

9257 SWANSON, D. W. J. "Square pegs"; misfits in responsible jobs are only one symptom that British agriculture is not yet ready to face the return of world competition. Farmers Weekly [London] 23(22): 37. Nov. 30, 1945. 10 F2226

Need for technical efficiency and quality of output

9258 WILLIAMS, T. Release of land girls. Smallholder 74(1859): 16. Nov. 2, 1945. 10 Sml Great Britain.

9259 ZEIDEL, A. Working in shifts in the cow barn. (In Hebrew) Hassadeh 25: 568-569. Aug./Sept. 1945. 26 H27

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

9260 A., R. E. Un plan para intensificar la producción agropecuaria. (2ª parte.) Rev. de Econ. Argentina 44: 459-469. Sept. 1945. 280.8 R325

9261 ABEL, P. M. The Dutch re-capture Holland. Country Guide 64(12): 5, 25-26. Dec. 1945. 7 G76 Various aspects of Dutch agriculture.

9262 AGRICULTURAL Situation, v. 29, No. 11, 48 p. Nov. 1945. 1 Ec7Ag Annual outlook issue.

Contents: Summary, by H. R. Tolley, p. 1-2; Where we are now, by E. E. Hagen, p. 2-5; Industrial and business outlook, by W. Thomas, p. 5-8; Farm demand, prices and income in 1946, by O. C. Stine and R. A. Ballinger, p. 8-12; Food supplies, by M. C. Burk, p. 12-13; Livestock, by R. M. Walsh and G. J. Sims, p. 13-16; Dairy products, by G. Levin, p. 16; Poultry and eggs, by G. Levin, p. 17; Feed, by R. A. Phillips, p. 17-19; Food grains, by R. E. Post, p. 19-20; Fruit and nuts, by B. H. Pubols, p. 20-21; Vegetables, by H. W. Mumford, Jr., p. 21-22; Fats and oils, by E. L. Burtis, p. 22-24; Tobacco, by W. P. Young, p. 24-25; Cotton, by H. G. Porter, p. 25-26; Wool, by F. Hamilton, p. 26-27; Sugar, by R. A. Ballinger, p. 27-28; Marketing and transportation, by C. C. Curtiss, p. 28-30; Our agricultural plant in 1946, by N. W. Johnson, p. 30-33; Farm labor, by G. T. Barton, p. 33-34; Farm machinery, by A. P. Brodell, p. 34-35; Fertilizer, by D. B. Ibach, p. 35-36; Seeds, by G. C. Edler, p. 37; Insecticides, by S. A. Rohwer, p. 37-38; Lumber, by F. H. Hallauer, p. 38-39; Farm supplies, by W. D. McAfee, p. 39-40; Credit, by N. J. Wall, p. 40; Land values, by M. M. Regan, p. 41; Farm family living prospects in 1946, by M. G. Reid, p. 41-42; Farm family incomes, by H. C. Norcross, p. 43; Food for home use, by F. Clark, p. 43-44; Housing and home equipment, by E. G. Holmes, p. 44-45; Clothing, by R. J. Holmes, p. 45-46; Automobiles, by R. J. Holmes, p. 45-46; Education, by E. A. Schuler, p. 46; Rural health, by K. E. Pohlmann, p. 46-47; Farm population, by C. C. Taylor, p. 47.

9263 ALEMÁN, M. Síntesis del programa de Gobierno que sustenta el candidato a la presidencia de la República, Señor Lic. Miguel Alemán. Economista 13(149): 34-57. Oct. 1945. 280.8 Ec793 Program for agriculture.

9264 ANDERSON, C. P. Is the farmer heading for trouble again? Sat. Evening Post 218(25): 18-19, 94-96. Dec. 22, 1945. 110 S

9265 ANGLO-AMERICAN CARIBBEAN COMMISSION. Report...1944, 46 p. Washington, D. C., 1945? 280.9 An42R

Work in agriculture is reported, p. 18-19.

9266 BARON-HAY, G. K. Topical agricultural items. Primary Prod. [Perth] 39(43): 6. (To be cont.) Oct. 25, 1945. 23 P932

General discussion of agricultural interest.

9267 BERTRAMSON, B. R. Deep inside Germany with G-5. De Laval Monthly 39(6): 5, 13. Nov./Dec. 1945. 44.8 D37

Work of agricultural specialists of the Military Government with food and agricultural problems in Germany.

9268 BOMBAY (PRESIDENCY). DIRECTOR OF RURAL DEVELOPMENT. Annual report of rural development activities, 1943/44, 26 p. Bombay, 1945. 281.9 B632

9269 BUNCE, A. C. Our agricultural policies. U. S. Fed. Reserve System. Postwar Econ. Studies, No. 2, p. 1-31. Washington, 1945. 173 F31Po

9270 BURRANO R., J., and CAEZAS B., H. Estudio preliminar agro-económico del proyecto de irrigación del Pisque de la provincia de Pichincha. Ecuador. Primera Zona. Cóm de Agr. Rev. 7: 463-474. (Cont.) July 1945. 9.5 Ec96

9271 C., B. E. Amazing possibilities at Cashmore. Countryman [Melbourne] (ser. 20), No. 35, p. 8. Sept. 7, 1945. 281.8 C83 Agricultural development of an area.

9272 CAMBRIDGE UNIVERSITY. DEPT. OF AGRICULTURE. FARM ECONOMICS BRANCH. Changes in the economic organization of agriculture in the eastern counties of England. Cambridge U. Dept. Agr. Farm Econ. Branch. Rpt. 29, 108 p. Cambridge, 1945. 281.9 C14

9273 CANADA's farmers want a blueprint. Co-op Grain Q. 3(4): 15-24. Winter 1945. 280.28 C7898 Program for agricultural rehabilitation in Canada.

9274 CARPENTER, G. A. Sound farm plan advocated by Extension economist; methods discussed for improving plan. Utah Farmer 65(8): 3. Nov. 25, 1945. 6 D45

9275 CARSTENSEN, H. P. Agriculture in war and peace: challenges of the future. Grange News 34 (46): 2. Nov. 17, 1945. 6 Ag893

9276 CARTA econômica de Teresópolis. Brazil. Min. do Trab., Indus. e Com. B. 11(130): 185-220. June 1945. 255.3 B737A

Abridged in Brazilian Business 25: 308, 310, 328, 332, 334, 336, 338, 340. July 1945. 286.8 B732 Includes a policy for agriculture.

9277 CASTAÑÓN, G. Necesidad y posibilidades de incrementar nuestra producción agrícola. Siembra 1(1): 26-29. Jan. 1945. 15 S11 Spain.

9278 CASTILLO CALERO, A. Observaciones sobre la planificación agrícola del Estado. I. Las uniformidades étnicas y agrícolas de Yucatán. Fomento [monthly], No. 23, p. 3. Sept. 1945. 8 F734

9279 CHILDRESS, G. L. Agricultural opportunities in east Texas. East Tex. 20(3): 6, 16. Dec. 1945. 6 Ea73

9280 CLAPP, A. Agriculture - the basic industry. Acco Press 23(11): 9. Nov. 1945. 6 Ac2

9281 DAWSON, C. A. Arctic survey. VI. The new North-west. Canad. J. Econ. and Polit. Sci. 11: 578-600. Nov. 1945. 280.8 C162

Includes agriculture and lumbering with particular attention to the Matamaska Valley project.

9282 DICKERSON, J. H. American agriculture - II. Gt. Brit. Min. Agr. Agriculture 52: 337-341. Nov. 1945. 10 G79J

9283 EULAU, H. Germany cannot be agricultural; Mr. Morgenthau's panacea. II. New Repub. 113: 493-495. Oct. 15, 1945. 280.8 N Second of a series of articles on Germany's economic future.

9284 F., H. S. Corn and the Corn Belt. Country Guide 64(12): 18-19. Dec. 1945. 7 G76 Observations on Corn Belt agriculture.



9285 FLEITES, M. A. A lomo de mulo a través de la Sierra Guamuhaya. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(130): 28-32. (To be cont.) Oct./Dec. 1945. 8 Sa53

Describes agriculture, particularly coffee production, and farming life.

9286 FREITAS, C. G. DE. A agricultura e a conferencia de Teresopolis. Campo [Rio de Janeiro] 16(188): 60-61. Aug. 1945. 9.2 C15

9287 FRENCH farmers face a new day. Co-op Grain Q. 3(4): 10-14. Winter 1945. 280.28 C7898  
Agricultural problems in France with special attention to the need for improving the economic condition of the farmers.

9288 GILCHRIST, G. The roots of Texas progress and development are in the soil! Acco Press 23(11): 10-12. Nov. 1945. 6 Ac2

9289 GORNALL, W. B. Agricultural policy in the United Kingdom. Canada. Dept. Trade and Com. Com. Intel. J. 73: 529. Dec. 1, 1945. 286.8 C16

9290 GUIMARÃES, A. P. Plano de emergência. Rev. Rural Bras. 25(301): 14-17. Sept. 1945. 9.2 B733

Program for agriculture.

9291 HANNAM, H. H. Hannam states agriculture still on wartime program. Manitoba Co-op. 3(10): 6. Dec. 15, 1945. 280.28 M31

9292 HOLMES, J. C. Security for smallholders; a progressive rural industries' policy is advocated. Smallholder 74(1860): 11. Nov. 9, 1945. 10 Sml  
Great Britain.

9293 HOPKINS, J. A. Colombian agricultural policy. Foreign Agr. 9: 178-188. Dec. 1945. 1.9 Ec7For

9294 HUTSON, J. B. Readjustments in agriculture essential in facing future. Natl. Co. Agent 1(4): 38-39. Dec. 1945. 275.38 N213

9295 LANDIS, I. Zur künftigen produktionsorientierung der schweizerischen landwirtschaft. Schweiz. Milchztg. 71: 376, 383-384. Oct. 23-30, 1945. 44.8 Sch92

9296 LEAGUE OF NATIONS. Report on the work of the League, 1943/44, 100 p. Geneva, 1945. (League of Nations. P. Ser. Gen. 1945: 1) 280.9 L47B

Includes study of agricultural production in continental Europe.

9297 LEMNE, L. Jordbruksprogram från England, USA och Sverige. Lantmannen 29: 883-884, 886. Oct. 6, 1945. 11 L234

Agricultural policies and programs.

9298 LOBIT, P. Réflexions sur l'avenir de l'agriculture haut-pyrénéenne. B. Agr. des Hautes-Pyrénées, No. 407, p. 3-7. Jan./Mar. 1945. 14 B875

9299 MCRAE, F. How about Guam? This tropical island holds many opportunities for the agriculturists. Hawaii Farm and Home 8(11): 8-9. Nov. 1945. 25 H3191

9300 MILBURN, V. S. Planned [agricultural] production. Rural Co-op. 10(7): 3. Dec. 11, 1945. 280.28 R88

9301 MORGAN, A. E. A business of my own; the possibilities of small industries and self-employment occupations. Community Serv. News, v. 3, No. 4, 160 p. Sept./Oct. 1945. 281.28 C73  
Includes chapter on agriculture.

9302 MYERS, W. I. Farmers look ahead. Cornell Countryman 43(2): 3, 18. Dec. 1945. 6 C81

9303 NORWAY reclaims her looted land. Co-op Grain Q. 3(4): 25-32. Winter 1945. 280.28 C7898

9304 PALMQUIST, P. O. Den statliga jordbruksadministrationen. Lantmannen 29: 1010-1012. Nov. 10, 1945. 11 L234

9305 PROBLEMAS da Amazônia. Assoc. Com. do Amazonas. B. 5(49): 12-13; (50): 12-13; (51): 12-13. (Cont.) Aug.-Oct. 1945. 286.9 As7B

Includes problems of agriculture.

9306 RAMSAY, A. N. F. U. [Great Britain] blueprint includes committee control; organised marketing with compulsory powers. Farmer & Stock-Breeder 59: 1804-1805. Nov. 13, 1945. 10 F228

9307 ROBINSON, D. H. The future of farming [Great Britain]. Field 186: 400. Oct. 20, 1945. 10 F45

9308 ROTTENSTEN, J. Hur ter sig framtiden för danskt jordbruk? Lantmannen 29: 1001-1002. Nov. 10, 1945. 11 L234

Agriculture in Denmark.

9309 SERNA DÍAZ, C. DE LA. De agricultura canaria; arena sobre arena. Surco [Madrid] 4(42): 19-22. Aug. 1945. 15 Su7

9310 SJÖBLÖM, P. H. Mot ny överakottakris. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 15(39): 3. Sept. 1945. 11 J762

Effect of the coming surplus of agricultural products on Swedish agriculture.

9311 SULLAM, V. B. Food and agriculture in the Trieste region of Italy. Foreign Agr. 9: 190-192. Dec. 1945. 1.9 Ec7For

9312 T. La campagne agricole a été préparée avec soin. Petit Casablancais 30(1241): 4. Dec. 8, 1945. 280.8 P44

Agricultural situation in Morocco.

9313 U. S. S. R. SOVET NARODNYKH KOMISSAROV I TSK VKP(b). Ob uborke urozhaia i zagotovkakh sel'skokhoziaistvennykh produktov v 1945 godu. Sovkhoz. Proizvod. 5(7): 1-13. July 1945. 20 So85

Regulations on harvesting the crops and on delivering agricultural products to the Government in 1945.

9314 VANCE, B. F. The Texas Production, Marketing, Association, 1946 farm program. Coastal Cattleman 11(10): 11. Dec. 1945. 43.8 C63

9315 WILLIAMS, T. Mr. Tom Williams on production, marketing & distribution; minister promises more freedom as food shortage passes. Farmer & Stock-Breeder 59: 1900. Nov. 27, 1945. 10 F228  
Policy in Great Britain.

9316 WITT, L. Ecuadoran agriculture looks to the future. Agr. in the Americas 5: 230-232, 235. Dec. 1945. 1 F752A

9317 WRIGHT, J. F. N. F. U. [Great Britain] policy report criticised. Farmer & Stock-Breeder 59: 1808. Nov. 13, 1945. 10 F228

9318 YOUNG, H. N. The agricultural situation. Va. Farm Econ., No. 80, p. 965-966. Nov. 1945. 275.29 V813

#### Agriculture, Postwar

9319 BURDICK, R. T. More sugar beets, wheat, barley and vegetables — Colorado's postwar goal. Colo. Farm B. [Colo. Sta.] 7(5): 2-3, 11-13. Sept./Oct. 1945. 100 C71S

9320 HUTCHESON, J. R. Post-war policies for agriculture. East. Breeder 7(7): 50-52. Dec. 1945. 49 V81

#### Subsidies

9321 NEW ZEALAND DAIRY BOARD. The farmer pays them himself! These so-called subsidies. New Zeal. Dairy Exporter 21(2): 34-35. Oct. 1, 1945. 44.8 M484

Meat Board cooperating.

#### COST AND STANDARD OF LIVING

9322 ALBORNOZ, F. El aspecto humano en el problema de la producción de la leche. (Excerpts.) Fed. Argentina de Coop. Tambores. Rev. 5(50): 19-20. Sept. 1945. 280.28 F31

Low standard of living of the dairy farmer, his lack of legal recourse, and the problem of land tenure.

9323 TOWLE, D. S. A new design for living: in the mountain regions of Kentucky, children today are learning about disease prevention and good health. *Hygeia* 23: 912-913, 928, 930, 932. Dec. 1945. 449.8 H993  
Improvement of living standards in poor rural communities through teaching program in rural schools.

## FARM MANAGEMENT AND LAND ECONOMICS

9324 BEILBY, O. J. Marginal farms in the Borders and the south-west of Scotland. Scotland. *Dept. Agr. Farm Econ.*, No. 10, p. 6-7. Autumn 1945. 281.9 Sco37

9325 BRIGHAM, R. Extension Service aids Pacific island farming; Foreign Economic Administration provides fresh vegetables for fighting men. *Better Farming Methods*, 18(8): 25, 29. Nov./Dec. 1945. 58.8 B46

9326 UMA CAMPANHA injusta e inconsequente contra os lavradores do Brasil e de São Paulo. *Rev. Rural Bras.* 25(300): 14-24. Aug. 1945. 9.2 B733

Replies to and comments on an address by L. C. Prestes in which he criticized Brazilian farmers and the latifundia and advocated communism. Includes: Salveiros a democracia, em defesa de nosso patrimonio, by R. da R. Medeiros; Latifundios e fazendas, by E. Castello; A lavoura paulista e o momento politico, by A. M. Junqueira; Aspectos do discurso do sr. Luiz Carlos Prestes, by L. V. F. de Mello; A tese comunista dos latifundios, by A. A. Fragata; A classe agricola, unica vitima das reformas comunistas projetadas pelo sr. Luiz Carlos Prestes, by V. dos S. Magano; A fragmentação do solo paulista, by J. de Q. Tellas.

9327 CHUB, M. Vozrozhdaitsia sovkhov Kryma [Restoration of state farms in the Crimea]. *Sovkhoz. Proizvod.* 5(7): 28-30. July 1945. 20 So85

9328 COLLECTIVE farms are Russia's hope. *Co-op Grain Q.* 3(4): 33-43. Winter 1945. 280.28 C7898

9329 DENNING, H. W. The cradle of farming in Australia; when the Hawkesbury flats were the granary of a colony. *Land [Sydney; (Farm and Sta. Ann.)]*, No. 1763, p. 5. Sept. 12, 1945. 23 I22

9330 DUQUE, J. P., and KONINCK, M. DE. Clasi-ficación de las tierras del polígono No. 3 de la hacienda "San Andrés" como base para su lotificación. *El Salvador. Inst. Tec. An.* 1(1): 401-402. 1944. 8 Sa34

9331 FISHER, J. Alternate systems of husbandry or alternate husbandry. *So. African Sugar Technol. Assoc. Proc.* (1945) 19: 80-83. 65.9 So83

The law of diminishing returns in agriculture and types of farming which might replace lands under cane

9332 FLORES DE LA PEÑA, H. Algunos problemas de la reforma agraria. *Rev. de Econ.* 8(10): 8-14. Oct. 15, 1945. 280.8 R3293  
Mexico.

9333 GAMIO, M. La producción agrícola y la industrialización de los ejidatarios. *Amér. Indígena* 5: 303-308. Oct. 1945. 446.9 In8A  
Mexico.

9334 GERBER, J. R. Little journeys to chemurgic farms, Alderman Farms, Dayton, Oregon. *Chemurg. Digest* 4: 343-344. Nov. 15, 1945. 381 N213Na

Farm management.

9335 GUERRA, A. ¡Salvese a Cuba! *Labor* 4 (97): 1, 2. Nov. 21, 1945. 8 L11  
Urges agricultural diversification.

9336 HARRINGTON, L. A farm to call his own. *Farmer's Mag.* 42(12): 11, 50-51. Dec. 1945. 7 C165

Farm management in Canada.

9337 HAYWARD, S. P. The Requisitioned Land and War Works Act, 1945. *Chartered Surveyors' Inst. J.* 25: 220-228. Nov. 1945. 282.9 C38J  
Great Britain.

9338 HILL, F. F. Land classification aids veterans buying farms. *Farm Res. (N. Y. State Sta.)* 11(4): 8-9. Oct. 1, 1945. 100 N48A

9339 HURST, F. J. A mule and \$50 his start. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 60(12): 24. Dec. 1945. 6 P945G

Farm management.

9340 INCH, T. P. Palestine - new farming paradise? Co-operative farming cuts costs to bed rock. *New Zeal. Dairy Exporter* 21(1): 9-11. Sept. 1945. 44.8 N484

Includes land tenure and life in the communal settlements.

9341 IVERSON, C. A. The GI and the dairy industry. *South. Dairy Prod. J.* 38(6): 74, 78-80. Dec. 1945. 44.8 So83

9342 KANGAS, J. T. Corcorans' harvest for seven months. *Market Growers J.* 74(12): 10. Dec. 1945. 6 M34

Farm management.

9343 THE LAND is Europe's challenge to democracy. *Co-op. Grain Q.* 3(4): 4-9. Winter 1945. 280.28 C7898

Land reforms in eastern and central Europe.

9344 LAND utilisation and settlement in Kenya; Government announces plans for European and African settlement. *African World* 171: 382-383. Dec. 1, 1945. 286.8 Af8

9345 LEWIS, H. Suggested requirements of plans for co-operative farming in Saskatchewan. *Saskatchewan Consultation Com. Co-op. Farming. C. 1*, 3 p., processed. Regina? 1944? 280.29 Sa73

9346 LIAUTAUD, E., LARGE, A., and BOUCARD, G. Rapport sur la culture du soja entreprise en vertu d'un contrat intervenu entre l'Etat Haïtien et Mr. Nocio Steinmetz. *Rev. Agr. d'Haïti*, No. 1, p. 30-45. 1945. 8 R3241

Complete report of the project from a management and cultural point of view. Includes costs and returns.

9347 LLOYD, E. W. [Farming, a business, or a way of life? *Field* 186: 511. Nov. 17, 1945. 10 F45

9348 LOVE, H. M. Financing a farm business. *Va. Farm Econ.*, No. 80, p. 969-970. Nov. 1945. 275.29 V813

9349 MCNEELY, M. Canal system believed a drawback, says Hall of Texas. *Rice J.* 48(10): 12-13. Oct. 1945. 59.8 R36

Quotes J. H. Hall on leasing conditions and management on rice farms.

9350 MARTIN, G. L. Replanning for farm profits in peace time. *Your Farm* 4(2): 1-6. Dec. 1945. 6 Y8

Farm management.

9351 MEDLOCK, O. C. Farm planning is filling pocketbooks. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 60 (12): 17, 74. Dec. 1945. 6 P945G

9352 MORSE, T. D. Beyond the boundaries of your farm. *Nation's Agr.* 20(10): 9, 20. Nov. 1945. 280.82 B89A

Preparing to meet future problems by keeping well informed and by efficient management.

9353 NEW BRITISH Advisory Service set-up; how the national scheme will operate. *Farmer & Stock-Breeder* 59(2930): 1947. Dec. 4, 1945. 10 F228

On the National Agricultural Advisory Service due to function on October 1, 1946.

9354 OUR stock industry; some suggested reforms. By "Culkah." *Past. Rev.* 55: 769-770. Oct. 16, 1945. 23 Au75

Management of a stock farm in Australia.



9355 RAPPE, G. Jordbruksekonomisk undersökning och rådgivningsverksamhet. Lantmannen 29: 927-929. Oct. 20, 1945. 11 L234

Advisory services in agricultural economics and farm management in Sweden.

9356 RITTER, E. Eliminate bad luck in poultry raising. Feedstuffs 17(47): 48-49. Nov. 24, 1945. 286.81 F322

Poultry management.

9357 S., J. La ferme française dans l'évolution marocaine. Intransigeant Maroc. 6(207): 4. Apr. 13, 1945. 280.8 In89

French farms in Morocco.

9358 SANDERS, H. G. This is my farm. 1. West country - rearing/dairy farm. Gt. Brit. Min. Agr. Agriculture 52: 355-356. Nov. 1945. 10 G79J

Interview with F. J. Tucker and Colin Ross. Management.

9359 SASKATCHEWAN CONSULTATION COMMITTEE ON CO-OPERATIVE FARMING. Co-operation in a Czechoslovak village. Saskatchewan Consultation Com. Co-op. Farming. C. 3, 3 p., processed. Regina? 1944. 280.29 Sa73

9360 SASKATCHEWAN CONSULTATION COMMITTEE ON CO-OPERATIVE FARMING. A group farming plan for returned soldiers. Saskatchewan Consultation Com. Co-op. Farming. C. 2, 2 p., processed. Regina? 1944. 280.29 Sa73

9361 SASKATCHEWAN. DEPT. OF RECONSTRUCTION AND REHABILITATION. Co-operative farming in Saskatchewan. Saskatchewan. Dept. Reconstr. and Rehabil. Coop. Farming in Saskatchewan. Bibliog., No. 1, 1 p., processed. Regina? 1944. 241.3 Sa7

9362 SAUNDERSON, M. H. Western stock ranch earnings and values. Amer. Cattle Prod. 27(7): 12-14, 22-23. Dec. 1945. 49 P95

9363 SERRATS URQUIZA, S. Problemas de la gran explotación: dirección técnica. Agricultura (Madrid) 14: 410-411. Aug. 1945. 15 Ag84

Management.

9364 SITTERLY, J. H., and FALCONER, J. I. Developing a farm plan. Ohio. State U. Dept. Rural Econ. Lithoprint B. 187, 33 p. Columbus, 1945. 281.9 Oh32

9365 SODERBERG, P. M. Let's get this farming straight. Poultry Farmer (London); 113(2945): 6-7. Nov. 30, 1945. 47.8 F312

9366 T. La ferme. Petit Casablanca 30 (1233): 4. Oct. 13, 1945. 280.8 P44

The self-sufficiency of the former large-scale farm in Morocco.

9367 TENANT-FARM and land-use regulation in Italy. Monthly Labor Rev. 61: 923-924. Nov. 1945. 158.6 D87M

Data taken in part from report of R. S. Kifer, Agricultural Attaché, U. S. Embassy, Rome.

9368 "TO ACHIEVE the fullest efficiency," aims of the new Agricultural Advisory Service (Great Britain). Farmers Weekly (London); 23(23): 19. Dec. 7, 1945. 10 F2226

Includes a statement by J. A. S. Watson.

9369 UTILIZACIÓN del hato "La Candelaria" para realizar un programa de intervención directa del Estado en el mejoramiento de la ganadería extensiva del Llano. Agr. Venezol. 9(107/108): 26-38. Mar./Apr. 1945. 9.95 Ag8

Contains: Informe preliminar sobre los trabajos a realizarse en el hato "La Candelaria," by G. Rivas Larralde and E. A. Rivera; and Visita a "La Candelaria" en invierno, by E. A. Rivera and G. Urdaneta. Organization of the State farm "La Candelaria" for the purpose of cattle research. Includes the farm and housing layouts.

9370 VOGEL, G. F., and HENDRICKS, W. A. The war has not put N. C. farmers out of business. Res. and Farming. [N. C. Sta.] Prog. Rpt. 4(1): 6. Oct. 1945. 100 N81R

Farming activity, with statistics for active, subsistence, and idle farms.

9371 WHEN the D. P. K. retires, by "The Fenman." Poultry (London); 97: 345, 348. (To be cont.) Nov. 27, 1945. 47.8 P869

Planning the small farm for the retired business man.

9372 WORTHINGTON, J. Jim Worthington's school for servicemen; new venture. Poultry Farmer (London); 113(2944): 6; (2945): 6. Nov. 23, 30, 1945. 47.8 F312

Second article is Quaint quarry?

Problems of veterans taking up poultry farming.

#### Bookkeeping and Records

9373 ERICSON, F. L. Normalkontoplan för detaljerad lantbruksbokföring. Lantmannen 29: 958-960. Oct. 27, 1945. 11 L234

Accounting.

9374 ERICSON, F. L. Resultatredovisning och resultatanalys i jordbruket. Lantmannen 29: 1007-1009. Nov. 10, 1945. 11 L234

Accounting.

9375 FRELS, B. A farmer speaks: "put headlights on your farm!" Furrow, Salt L. - E [Ed.] 50: 3, 15. Sept./Oct. 1945. 6 F98Sa

Farm accounting.

9376 GILCHRIST, J. A. Comparisons from a dairy farm, 1942-45 with 1932-35. Scotland. Dept. Agr. Farm Econ., No. 10, p. 4-5. Autumn 1945. 281.9 Sco3F

Accounting.

9377 KANEMOTO, E. Y. Sew up that bookkeeping hole. Hawaii Farm and Home 8(11): 27. Nov. 1945. 25 H3191

#### Cost of Production

9378 ANTUNES, F. D. Hortas da várzea de Loures. II parte. Estudo económico de uma horta da várzea. Portugal. Junta Nac. das Frutas. B. 5(3): 48-56. Mar. 1945. 286.3939 P82

Labor costs and other expenses.

9379 BALERDI ALTULAGUIRRE, J., and ARÉCHAGA ARA-LUCE, A. Promedio del resultado de operación que ha tenido el colono en el año agrícola correspondiente a la zafra de 1945. Tierra Libre 9(10): 10-11. Oct. 1945. 8 T443

Costs and returns in Cuba.

9380 BELL, J. C. Quality higher, costs lower in commercial poultry flocks. U. S. Egg & Poultry Mag. 51: 452-453. Oct. 1945. 286.85 Eg3

9381 BONSER, H. J., and FICKEL, E. B. Costs, returns, and practices in growing snap beans, Knox and Sevier Counties, Tennessee, 1942. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 191, 59 p., processed. Knoxville, 1945. 173.2 W89Co

9382 BURROUGHS, F. S. Merchandising--key to locker profits. Quick Frozen Foods 8(4): 122-123, 152. Nov. 1945. 389.8 Q4

9383 DAVIES, MRS. G. H. Berries bought war bonds. Kans. Farmer 82(24): 9. Dec. 15, 1945. 6 K13

Costs and returns.

9384 DEGRAFF, H. Farm costs in the postwar period. Nation's Agr. 20(10): 9, 20. Nov. 1945. 280.82 B89A

9385 DUDLEY, F. J. The determination of profits per bird from egg production in 52 weeks & other related calculations. Harper Adams Util. Poultry J. (n. s.) 30: 42-49. July 1945. 47.8 P8612

- 9386 GREENE, R. E. L., and JAMES, H. B. Cost of producing broilers. Res. and Farming. [N. C. Sta.], Prog. Rpt. 4(1): 2-3. Oct. 1945. 100 N81R
- 9387 HAPLING, A. D. New money in Virginia turkeys. Commonwealth 12(11): 14-16. Nov. 1945. 280.8 C732
- 9388 JUDKINS, W. P. Cultural methods influence strawberry production costs. Ohio Agr. Expt. Sta. Bimo. B. 30: 124-126. July/Aug. 1945. 100 Oh3S
- 9389 KLEISER, M. Comparison; pencil used as yardstick to check feed cost and value. West. Livestock J. 24(1): 100-101. Nov. 15, 1945. 6 F2278
- 9390 LAMBORN, M. W., and BIERLY, I. R. Costs in harvesting hay by different methods. Farm Econ., No. 147, p. 3755-3758. Oct. 1945. 280.8 C812
- 9391 LAWRIE, M. N. Postwar dairy profits are geared to good pasture. Nebr. Farmer 87(22): 5, 37. Nov. 17, 1945. 6 N27
- 9392 MCNEELY, M. County agent Denton on mechanization and labor costs. Rice J. 48(11): 8, 10. Nov. 1945. 59.8 R36  
On the rice industry.
- 9393 SCHULTZ, N. S. Employing efficiency to lower costs of production. Canada Poultryman 32(11): 6-7, 17. Nov. 1945. 47.8 C166  
In the poultry industry.
- 9394 SMITH, E. Y. The formula for turkey profits; keep selling price above your cost of production. Turkey World 20(11): 30-31, 86-87. Nov. 1945. 47.38 T84
- 9395 THOMAS, W. J. War-time fattening of cattle in Wales. Gt. Brit. Min. Agr. Agriculture 52: 345-349. Nov. 1945. 10 G79J  
Costs and profits.
- 9396 WITNEY, D. Four years' flax costs and returns. Scotland. Dept. Agr. Farm Econ., No. 10, p. 10-11. Autumn 1945. 281. 9 Sco3F

#### Farms - Number and Size

- 9407 STRATTON, C. U. S. farms have changed in size. Kans. Farmer 82(24): 4, 18. Dec. 15, 1945. 6 K13

#### Land Settlement and Colonization

- 9398 DUQUE, J. P. Anteproyecto de plan de colonización rural. El Salvador. Inst. Tec. An. 1(1): 373-392. 1944. 8 Sa34
- 9399 DUQUE, J. P. Anteproyecto para un plan de colonización interior en los terrenos de "San Andrés," "Zapotitán" y "Sitio del Niño." El Salvador. Inst. Tec. An. 1(1): 371-372. 1944. 8 Sa34
- 9400 EASTERBROOK, L. F. Veterans on British farms. Land Policy Rev. 8(4): 27-28. Winter 1945. 1 Ec7La
- 9401 FUHRMAN, W. U. New land settlers: what they say. Land Policy Rev. 8(4): 22-26. Winter 1945. 1 Ec7La
- 9402 HAND, C. H. Rural rehabilitation; the importance of the personal element in the successful establishment of servicemen on the land is emphasized. Food Front 2(4): 2-4. Sept. 1945. 281.8 F73  
Australia.
- 9403 LIND, Mr. Lind on land settlement. Countryman [Melbourne] (ser. 20), No. 25, p. 2. June 29, 1945. 281.8 C83
- 9404 NEW ZEALAND. DEPT. OF LANDS AND SURVEY. Settlement of crown lands (annual report on), 1944/45, 20 p. Wellington, 1945. 282.9 N48  
Includes report of veteran settlement.

#### Land Tenure

- 9405 BERG, S. G. Försök att förbättra fastighetsbildningen i Norrland. Lantmannen 29: 1003-1004. Nov. 10, 1945. 11 L234  
Consolidation of holdings.
- 9406 DAVIS, G. L. Making farm owners is his business. Prog. Farmer, Ga.-Ala.-Fla. Ed. 60(12): 15, 74. Dec. 1945. 6 P945G  
The farm ownership and rehabilitation program in Wilcox County, Ga.
- 9407 DUNCAN, O. D. One-year leases make conspirators in soil mining. Farm and Ranch 64(11): 16, 18. Nov. 1945. 6 T31
- 9408 EASTERBROOK, L. F. Will Britain take the land? Probability of nationalization of farms under the new labor government is discussed by noted British agricultural writer. Capper's Farmer 56(12): 20. Dec. 1945. 6 M693
- 9409 GARCÍA ISIDRO, M. La sequía y el pago de rentas. Agricultura [Madrid] 14: 461-463. Sept. 1945. 15 Ag84
- 9410 LIDDELL, O. P. Settling them on farms; new form of land tenure. New Zeal. Dairy Exporter 21(1): 8. Sept. 1945. 44.8 M484  
Suggests a new type of tenure called the "Insurance Deposit Lease."
- 9411 MOLYNEAUX, J. L. Why should we write the farm lease? Farm and Ranch 64(12): 28-29. Dec. 1945. 6 T31
- 9412 SCOTTISH LAND COURT. Abstract of proceedings under the Small Landholders (Scotland) Acts 1886 to 1931, 1944, 151 p., processed. Edinburgh, 1945. 282.9 Sco8  
Land tenure.
- 9413 WAKUKAWA, S. Japanese farm tenancy. Far East. Survey 14: 365-370. Dec. 19, 1945. 280.9 In782
- 9414 WEBB, G. This landlord-tenant contract works for conservation. Soil Conserv. 11: 139-142. Dec. 1945. 1.6 So3S

#### Land Utilization

- 9415 AHMAD, G. E. The scope of land utilization survey in India. Indian Geog. J. 20: 63-68. Apr./June 1945. 331.8 In2
- 9416 CLARK, A. H. The historical explanation of land use in New Zealand. J. Econ. Hist. 5: 215-230. Nov. 1945. 277.8 J822.
- 9417 MANSON, T. B. Land utilisation and its implications. Scot. Farmer 53: 1190. (To be cont.) Dec. 1, 1945. 10 Sco8
- 9418 MARTIN, J. W. Land usage in western N. S. W. and Queensland. Past. Rev. 55: 761-762. (Cont.) Oct. 16, 1945. 23 Au75

#### Land Values and Valuation

- 9419 BUYING a poultry farm, by The Fenman. Poultry [London] 97: 281. Oct. 10, 1945. 47.8 P869
- 9420 FISHER, W. H. Farm land values and reconstruction. U. S. Fed. Reserve System. Postwar Econ. Studies, No. 2, p. 32-50. Washington, 1945. 173 F31Po
- 9421 GOETTLER, B. Land boom? Farmers are not getting caught with inflated land. Prairie Farmer, Gen. Ed. 117(25): 14. Dec. 8, 1945. 6 P883
- 9422 MURRAY, W. G. Before you buy that farm. Capper's Farmer 56(12): 13, 55. Dec. 1945. 6 M693  
Advice to prospective farm purchasers.

#### POPULATION

- 9423 CORREA ÁVILA, C. La fecundidad y la natalidad en el campo y en las ciudades. Rev. de Econ. Argentina 44: 430-435. Sept. 1945. 280.8 R325



9424 FOLSE, C. L. Age of Virginia farm operators. Va. Farm Econ., No. 81, p. 4. Dec. 1945. 275.29 V813

9425 GUMUNDSSON, K. *Séð frá minum bæjardyrum*. Freyr 40: 129-130. Aug./Sept. 1945. 11 F89  
Rural urban migration in Iceland.

9426 WARREN, S. W. Age of farm operators. Farm Econ., No. 147, p. 3758-3761. Oct. 1945. 280.8 C812

#### RURAL SOCIAL ORGANIZATION

9427 MORALES ANTEQUERA, C. Del campo manchego: ante la recolección de la aceituna. Siembra 1(1): 18-19. Jan. 1945. 15 S11

Observations on olive harvesting and the harvesting season and customs in La Mancha.

#### Human Ecology

9428 BURGESS, J. S. Community organization in China. Far East. Survey 14: 371-373. Dec. 19, 1945. 280.9 In782

9429 HAVEN, C. Let's start to live; value of the community centre. Land [Sydney] (Farm and Sta. Ann.), No. 1763, p. 23-24. Sept. 12, 1945. 23 L22

9430 MILLER, D. A community gets together. Capper's Farmer 56(12): 40. Dec. 1945. 6 M693  
Tells about social activities in the community building in Chapman, Kans.

9431 MOULD, E. Nadderbourne; the story of a village. Field 186: 296, 324. Sept. 22, 29, 1945. 10 F45

9432 VASCONCELOS, E. DE. Organização da comunidade rural. Ceres [Viçosa] 6: 177-195. (To be cont.) Jan./June 1945. 9.2 C332

#### Institutions

9433 ARRIAGADA HERRERA, J. La exposición a través de tres cuartos de siglo. Campesino [Santiago] 77: 503. Oct. 1945. 9.3 Sol2

Expositions of the Sociedad Nacional de Agricultura.  
9434 BARTLETT, A. Something right about rural schools. Country Gent. 115(12): 16, 68, 70-71. Dec. 1945. 6 C833

Vocational agriculture for adults.

9435 CAMPBELL, T. M. Education offers hope for West Africa. Ext. Serv. Rev. 16: 166-167. Nov. 1945. 1 Ex892Ex

This is the second of two articles.

9436 CHAPMAN, D., KIDNER, K., and THOMAS, G. Agricultural information and the farmer; an inquiry made for the Ministry of Agriculture and Fisheries. Gt. Brit. Wartime Social Survey. [P.] (n. s.) No. 38, 74 p., processed. London, 1944. 281.2 C363

9437 CLINTON, I. L. School doors begin to open to the children of migratory farm workers. Child 10: 71-74. Nov. 1945. 158.2 C483

9438 COMAS, J. El maestro y el médico en el mejoramiento indígena. Amer. Indígena 5: 317-325. Oct. 1945. 446.9 In8A

Social improvement in the rural areas of Mexico.

9439 CULPIN, C. On agricultural education. Worcestershire Agr. Chron. 12: 239, 241, 243, 245, 247, 249. Nov. 1944. 10 W892

9440 DARBY, B. T. Tomorrow's countryman. Farmer & Stock-Breeder 59: 1617. Nov. 13, 1945. 10 F228

On the possible effect on the country child of the new British Education Act.

9441 LA ESCUELA Nacional Central de Agricultura de Guatemala. Guatemala. Dir. Gen. de Agr. Rev. Agr. 1: 509-515. June/July 1945. 8 G934

9442 EUGSTER, G. Willkommen an der OLMA 1945. Schweiz. Milchztg. 71: 355. Oct. 9, 1945. 44.8 Sch92

Organization and objectives of the Ostschweizerische Land- und Milchwirtschaftliche Ausstellung.

9443 EZEKIEL, M., and BLUMBERG, A. J. The farmers' part in industrialization. Ext. Serv. Rev. 16: 164-165. Nov. 1945. 1 Ex892Ex

By creating rural industries the farmers could provide peacetime employment for their surplus labor.

9444 FRY, H. S. Schooling for farmers; an account of Minnesota's schools of agriculture and their application to the educational problems of prairie agriculture. Country Guide 64(12): 11, 32-33. Dec. 1945. 7 G76

9445 GARCÉS, V. G. El Indio ecuatoriano y la coca. Amer. Indígena 5: 287-293. Oct. 1945. 446.9 In8A

Refutes a statement that the Indian in Ecuador is a user of coca.

9446 A GLIMPSE of agricultural academics. Wis. Country Mag. 39(2): 10-11, 14-15, 17, 18, 21. (Cont.) Nov. 1945. 276.8 St9

Organization and courses of instruction of the Wisconsin College of Agriculture.  
Continued in December issue, p. 14.

9447 GUERRA, A. El sitiero. Tierra Libre 9 (10): 16. Oct. 1945. 8 T443

The condition of the Cuban farmer.

9448 HALBACH, D., BAHR, F., and SCOTT, B. Experiences in extension work. Wis. Country Mag. 39 (3): 7, 11, 16. Dec. 1945. 276.8 St9

9449 HOLGUIN, J. Síntesis histórica de la Quinta Normal de Agricultura de Ambato. Ecuador. Primera Zona. Cdm. de Agr. Rev. 7: 496-503. July 1945. 9.5 Ec96

9450 ILLINOIS. LEGISLATIVE COUNCIL. RESEARCH DEPT. Adult education in Illinois. Ill. Leg. Council. Res. Dept. P. 72, 54 p., processed. Springfield, 1945. 280.9 IL63

Includes agricultural education.

9451 JOHNSTON, H. A cooperative hospital. Ohio Farm Bur. News 25(5): 34-35. Dec. 1945. 6 Oh34

The Farmers Union Hospital Association of Elk City, Okla.

9452 JORGENSEN, E. A. County agents—how they serve the people. Wis. Country Mag. 39(3): 5. Dec. 1945. 276.8 St9

9453 KEILHOLZ, F. J. County agent; he looks to the future. Country Gent. 115(12): 12, 55, 56. Dec. 1945. 6 C833

9454 KNIGHT, M. F. Curing agricultural headaches. Mex.-Amer. Rev. 13(11): 10-12. Nov. 1945. 287 M572

Agricultural education in Mexico.

9455 LANKFORD, F. G., JR. Consolidation and capital improvements in public schools of Virginia. Va. U. News Let., v. 18, No. 5, 1 p. Charlottesville, 1945. 280.9 V815

9456 LINDSTROM, D. Country church achievement. Capper's Farmer 56(12): 10, 67. Dec. 1945. 6 M693

9457 MARQUINA, R. La Fiesta Guajira. Tierra Libre 9(10): 12. Oct. 1945. 8 T443

The Fiesta is sponsored by the Fundación Cubana del Buen Vecino and gives the city an understanding of the country.

9458 MATO, S. C. Lack of training hinders farm production; formal education necessary for use of scientific methods. Res. and Farming. [N. C. Sta.] Prog. Rpt. 4(1): 11-12. Oct. 1945. 100 N81R

9459 MOORE, P. J. "Minnesota's Flying County Agent" suggests use of airplane in extension work; development of more efficient aircraft may encourage "Ag" leaders to use air travel. Better Farming Methods 18(8): 26-27. Nov./Dec. 1945. 58.8 B46

9460 NATAL AGRICULTURAL UNION. Importance of agriculture in the curriculum; N. A. U. presents a memorandum on vocational education. (Excerpts) Farmer [Pietermaritzburg] 34(45): 1. (To be cont.) Nov. 9, 1945. 24 F227

9461 NEWMAN, W. S. Vocational education in Virginia. Va. U. News Let., v. 22, No. 6, 1 p. Charlottesville, 1945. 280.9 V815  
Includes vocational agriculture.

9462 ORCHARD, M. If your community needs doctors. Farm and Ranch 64(11): 18, 20. Nov. 1945. 6 T31

Fourth of a series on need for rural hospitals in the Southwest.

9463 ORCHARD, M. Organization and management of cooperative health centers. Farm and Ranch 64(12): 39-40. Dec. 1945. 6 T31

9464 PIELSTICK, D. F. Church, cooperative and adult education. Town & Country Church, No. 21, p. 1-2. Nov. 1945. 281.28 T66

9465 PRELEX, M. DE. Reune Ud condiciones para ser hombre de campo? Buenos Aires y La Pampa, No. 75, p. 18-19. Aug. 1944. 9 B868

9466 PUYAL, V. Los cursillos de capacitación agrícola. Siembra 1(1): 30-32. Jan. 1945. 15 S11 Spain.

9467 RICKEY, L. F. MFA starts 'em young. News for Farmer Coops. 12(9): 1, 18-19. Dec. 1945. 166.2 N47

Program of vocational agriculture for the improvement of public relations at the MFA Milling Company of Springfield, Mo.

9468 SIGVALDSON, J. M. Travelling T. B. clinics serve rural Manitoba. Manitoba Co-op. 3(10): 5. Dec. 15, 1945. 280.28 M31

9469 SOLBERG, H. It's foolish to fear the W-M-D [Wagner-Murray-Dingell] bill. West. Farm Life 47(19): 5, 18, 22. Nov. 15, 1945. 6 R153

A discussion of the Federal health program.

9470 STOUT, L. New approach to rural hospitalization in Alberta. Family Herald and Weekly Star 76(49): 39. Dec. 5, 1945. 7 F21

9471 TOWNSEND, T. H. Farmer-preacher tackles rural church problems; Rev. Laurence K. Pickard divides time between tilling soil and carrying on rural church work in Schuyler County [New York] parish. Dairymen's League News 29(25): 10. Dec. 4, 1945. 44.8 D1432

9472 WOODWARD, E. S. Soil security and social security. Soil Conserv. 11: 128-133. Dec. 1945. 1.6 So38

#### Leadership

9473 ADAMS, J. R. Leadership schools used to train FFA officers; capable leaders developed to direct activities of local chapters. Better Farming Methods 18(8): 15, 44. Nov./Dec. 1945. 58.8 B46  
Future Farmers of America.

9474 BECKER, R., and HAWK, C. My summer's leadership experiences - and mine. Ohio State U. Agr. Student 52(1): 4-5, 8. Oct. 1945. 6 Ag84  
Youth training for rural leadership.

9475 ENSMINGER, J. D. What is the community made of? Ext. Serv. Rev. 16: 168. Nov. 1945. 1 Ex392Ex

Need for leadership in adopting educational programs to the interests of the people.

#### Rural Organizations and Movements

9476 ANDERSON, W. A. Farm women and the farm cooperatives. Farm Res. [N. Y. State Sta.] 11(4): 11-12. Oct. 1, 1945. 100 N48A

9477 BASART, V. D. Meeting ideas gleaned from 513 credit co-ops. News for Farmer Coops. 12(9): 5-6. Dec. 1945. 166.2 N47

Planning the program for annual meetings of production credit associations.

9478 BASTITTA GIMÉNEZ, F. Cooperativismo y agremiación rural. Buenos Aires y La Pampa, No. 75, p. 15-16. Aug. 1944. 9 B868

9479 BIOCCO, V. F. Asociación Ganaderos de Bahía Blanca. Buenos Aires y La Pampa, No. 75, p. 21. Aug. 1944. 9 B868

9480 BISSON, J. E. Dix tâches qui incombent aux coopératives dans le redressement économique du monde d'après-guerre. Terre de Chez Nous 18(9): 23. Nov. 28, 1945. 7 T27

9481 BOAS, L. A. Idaho State Grange hits on all eight. Idaho Farmer 63: 675, 692-693. Dec. 20, 1945. 6 G282

9482 BROWN, H. L. Service that sees beyond the dollar mark. Farmers Fed. News 26(4): 24. Dec. 1945. 280.28 F225

Farmers Federation Cooperative's service program.

9483 COX, S. M. Rockingham County [Virginia], co-ops give farms complete service. Natl. Live Stock Prod. 24(3): 9. Dec. 1945. 280.38 N21

9484 DAVIS, J. H. Farmer co-ops play key role in U. S. economy. Cotton Trade J. 25(46): 3. Nov. 17, 1945. 72.8 C8214

9485 DÍAZ FILLAT, R. Problemas rurales: aplicación de la ley de cooperativas agropecuarias en nuestro medio. Uruguay. Dir. de Genad. y Agr. B. Inform. 2: 377. Sept. 27, 1945. 9.9 G15B

9486 FARM organizations to finance Purdue research in alfalfa. Steuben Co., Ind. Farm News 6(12): 3. Dec. 1945. 275.293 Ind., Steuben Co. Also in Sullivan Co., Ind. Farm News 6(12): 3. Dec. 1945. 275.293 Ind., Steuben Co.

The first of its kind to be financed by farmers' organizations.

9487 GAY, M. C. When are growers ready to co-operate? News for Farmer Coops. 12(9): 11, 20. Dec. 1945. 166.2 N47

9488 HECKENDORN, W. Farmer co-op news. Cotton Trade J. 25(47, i. e. 48): 6. Dec. 1, 1945. 72.8 C8214

Deals with the attacks on farm cooperatives.

9489 HEDGES, H. Farmer cooperatives in war and afterward. Land Policy Rev. 8(4): 12-15. Winter 1945. 1 Ec7La

9490 HOEKZEMA, J. P. Doing best better Ohio youth's winning slogan; Gordon J. Eichhorn receives highest F. F. A. award for Nation. Farmers Guide 101(24): 12. Dec. 15, 1945. 6 In2

9491 ILLINOIS AGRICULTURAL ASSOCIATION. Annual report 31, 1944/45, 164 p. Chicago, 1945. 4 IL66R

9492 LASERIE, E. Tópicos agrícolas cooperativistas. B. de Inform. Agr. del Gobierno Prov. de Las Villas 17(129): 36. July/Sept. 1945. 6 Sa53

9493 LEBEL, L. L'Union Catholique des Fermières. IV-IX, XIII-XV. Terre de Chez Nous 17(38): 3; (39): 3, 16; (40, i. e. 41): 3, 20; (41, i. e. 42): 3; (46, i. e. 45): 3; (47, i. e. 46): 3, 7; (51, i. e. 50): 3; (52, i. e. 51): 3, 7; 18(1): 3. June 27, July 4, 18, 25, Aug. 15, 22, Sept. 19, 26, Oct. 3, 1945. 7 T27

IV. Les fermières ne sont pas "squaws"; V. L'État a-t-il le droit d'avoir ses propres associations? VI. Les cercles de fermières; VII. Fermières et non-fermieres; VIII. Les octrois sont-ils nécessaires? IX. Les cercles agricoles de l'U. C. C.; XIII. Les deux grands moteurs de l'U. C. F.; XIV. Qui tente de supplanter les agronomes? XV. Conclusions.



9494 MCKAY, A. W. Cooperation in ancient Iran. News for Farmer Coops. 12(9): 15, 21. Dec. 1945. 166.2 N47

9495 MILLER, R. W. Co-operatives are private enterprise with democratic control. Pa. Co-op. Rev. 13(1): 9. Dec. 1945. 280.28 P38  
Farm cooperatives.

9496 PENNSYLVANIA. DEPT. OF AGRICULTURE. Directory of information. Pa. Dept. Agr. B., v. 27, No. 3, 36 p. Harrisburg, 1944. 2 P38B  
State and county agricultural organizations of Pennsylvania and national record associations of primary interest to Pennsylvania listed.

9497 FERREGAUX, E. A. Other agricultural cooperatives serving Connecticut farmers. Conn. Prog. 6(10): 4. Oct. 1945. 280.8 C7633

9498 PERRIN, E. Most Texas 4-H boys work with live stock. Natl. Live Stock Prod. 24(3): 11. Dec. 1945. 280.38 N21

9499 REID, E. B. Mooreland... where town and country cooperate. News for Farmer Coops. 12(8): 4-5, 17-18. Nov. 1945. 166.2 N47  
Cooperative achievements in Oklahoma.

9500 SALES, G. M. Cooperatives. Farmers Fed. News 26(4): 11-13. Dec. 1945. 280.28 F225

9501 SCHNEIDER, I. Las cooperativas rurales y los técnicos agrarios. Chacra 16(181): 48. Nov. 1945. 9 C34

9502 STERN, J. K. Get farmer Jones to speak up in meetin'. News for Farmer Coops. 12(9): 4, 14. Dec. 1945. 166.2 N47

Annual meetings of cooperatives.

9503 STOKDYK, E. A. Cooperative capitalization. Coop. Digest 6(6): 65-66. Dec. 1945. 280.28 C7896

9504 STOKDYK, E. A. Public interest in the cooperative controversy. Nulaid News 23(7): 9-10, 21-23. Oct. 1945. 47.8 N917

9505 TEAGUE, C. C., and others. The biggest problem for co-ops in the post-war era: a symposium. Coop. Digest 6(6): 72-74. Dec. 1945. 280.28 C7896  
D. W. Brooks, J. R. Moore, B. E. Stallones, and C. E. Edmonds, joint authors.

9506 TURNER, R. A. Why and how of national 4-H contests. Better Farming Methods 18(8): 16, 29. Nov./Dec. 1945. 58.8 B46

9507 UNITED FARMERS CO-OPERATIVE CO. Volume goes over 22 millions; patronage savings are \$129,000; manager presents 25th annual report. Rural Co-op. 10(7): 6-7, 10-11. Dec. 11, 1945. 280.28 R88

9508 WANN, J. L. Should co-ops pay their debts now? News for Farmer Coops. 12(8): 14, 20. Nov. 1945. 166.2 N47

9509 WIETING, C. M. Farmers and cooperation. Ohio Farm Bur. News 25(5): 17, 21. Dec. 1945. 6 Oh34

#### RURAL SOCIAL PSYCHOLOGY

9510 HICKOX, T. A. The farm woman as a world citizen. Tenn. Farm Bur. News 24(1): 3. Jan. 3, 1946. 275.293 Tennessee

9511 HORTON-PAWKES, LE G. G. W., and MOORE, H. I. Listening groups in Yorks W. R. Ct. Brit. Min. Agr. Agriculture 52: 357-358. Nov. 1945. 10 G79J

Radio listening groups.

9512 NATIONAL FARM RADIO FORUM, CANADA. Farm forum questionnaire, 1945; summary of replies, 10 p., processed. n. p., 1945. 281.9 N216Fa

9513 SNOW, T. A farmer looks at fiscal policy. Natl. Planning Assoc. Pam. 48, 22 p. Washington, D. C., 1945. 280.9 N2153

9514 WEAGLEY, MRS. R. C. F. Farm women look ahead. Pacific Northwest Farm Bur. News 19(12): 3, 23. Dec. 1945. 275.293 Washington

#### TRADE, FOREIGN AND INTERNATIONAL

9515 BIRKETT, C. B. Resources and trade of Fiji. II. Canada. Dept. Trade and Com. Com. Intel. J. 73: 540-545. Dec. 1, 1945. 286.8 C16

9516 CANADA. BUREAU OF STATISTICS. EXTERNAL TRADE BRANCH. Trade of Canada; articles exported to each country, 1944, 100 p., processed. Ottawa? 1945. 253 St25Tca

9517 CANADA. BUREAU OF STATISTICS. EXTERNAL TRADE BRANCH. Trade of Canada. Articles imported from each country. Calendar year 1944, 52 p., processed. Ottawa? 1945. 253 St25Tca1

9518 CLAYTON. Effect of the wool market on foreign economic relations. U. S. Dept. State. B. 13: 837-839. Nov. 25, 1945. 150 B87

9519 CORCORAN, T. F. Economic review of the Republic of Panama for 1943. Estadística, No. 11, p. 338-349. Sept. 1945. 251.8 Es8

Includes foreign trade in agricultural products and agriculture.

9520 DOMINGUEZ, L. M. Precios de exportación en la República Argentina, 1863-1943. Estadística, No. 11, p. 368-380. Sept. 1945. 251.8 Es8

9521 GREAT BRITAIN. BOARD OF TRADE. Accounts relating to the trade of the United Kingdom, Jan./June 1945, 134 p. London, 1945. 256.03 Ac2

9522 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Colombia; review of commercial conditions, 1945, 41 p. London, 1945. 255.5 G79

Includes agriculture and foreign trade.

9523 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Egypt; review of commercial conditions, 1945, 40 p. London, 1945. 270 Eg97

9524 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. New Zealand; review of commercial conditions, 1945. By R. Boulter. 42 p. London, 1945. 271.2 G792  
Includes foreign trade and the situation in various processing industries.

9525 HARTARD EBERT, M. Exportación de vinos chilenos. Campesino [Santiago] 77: 451-452. Aug. 1945. 9.3 Sol2

Statistical.

9526 KENYON, H. The shape and size of the export merchandising section of the cotton industry. Manchester Statis. Soc. Trans. 1944/45: 1-20. 251 M31

9527 KUNSTENNAAR, J. United States trade with Canada in 1943. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 15, 14 p. Washington, 1945. 157.54 In8

9528 MADAGASCAR. DIRECTION DES DOUANES. Statistiques du commerce et de la navigation; régime douanier de la colonie, 1944, 130 p. Tananarive, 1945. 270 M26S

9529 MUTTER, J. L. Haiti as a market. Canada. Dept. Trade and Com. Com. Intel. J. 73: 560-568. Dec. 8, 1945. 286.8 C16

9530 NICARAGUA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Anuario estadístico, 1943, 149 p. Managua, 1944. 254 N514A

9531 O'LOCHLEN, F. Fat-lamb acquisition; export scheme. Country Life [Sydney] 57(13): 1, 13. Sept. 28, 1945. 286.85 Sy2

9532 ORTIZ, N. C. Brazil in 1944. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 18, 17 p. Washington, 1945. 157.54 In8  
Contains sections on agriculture and foreign trade.

- 9533 PADRES, G., JR. El mercado de la piña mexicana en Nueva Orleans, Luisiana. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 10(10): 6-9. Oct. 1945. 286.8 M575  
Includes statistics for U. S. pineapple imports.
- 9534 REITZ, J. W. Citrus export is promising; Florida enjoys shipping and time advantages. Fla. Grower 53(12): 15-16. Dec. 1945. 80 F6622
- 9535 REITZ, J. W. The U. S. Horticultural Council and future citrus exports. Citrus Indus. 26(12): 8-9. (To be cont.) Dec. 1945. 80 C49
- 9536 SEALY, T. E. Jamaican bananas returning to British market; what the resumption of a flourishing pre-war trade may mean to the prosperity of a colony. Crown Colonist 15: 831. Dec. 1945. 280.8 C88
- 9537 STARK, W. G. Resources and trade of Ecuador.-I. Canada. Dept. Trade and Com. Com. Intel. J. 73: 568-577. Dec. 8, 1945. 286.8 C16
- 9538 SWEDEN. KOMMERSKOLLEGIUM. Handel; berättelse, 1943, 420 p. Stockholm, 1944. 257.3 St2Ha  
Title, index, and summary in French.  
Includes export and import of agricultural products in Sweden.
- 9539 VARGAS COTO, J. Londres nuestro tradicional mercado de café. Inst. de Defensa del Café de Costa Rica. Rev. 15: 355-358. July/Aug. 1945. 68.28 C82
- 9540 VARGAS Q., V. Agenda para la Cuarta Conferencia Panamericana del Café. Plan para reclamar al Gobierno de los Estados Unidos la libertad de importación y venta del café procedente de la América Latina, con base en los tratados existentes. Inst. de Defensa del Café de Costa Rica. Rev. 15: 359-364. July/Aug. 1945. 68.28 C82
- 9541 VECHSLER, M. J. Chile as a market. III. Canada. Dept. Trade and Com. Com. Intel. J. 73: 530-539. Dec. 1, 1945. 286.8 C16  
Trade between Canada and Chile, including agricultural products.
- 9542 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. United States exports of foodstuffs, 1944, 334 p., processed. Washington, 1945. 157.54 Un327  
U. S. Bureau of the Census cooperating.
- 9543 WIERS, P., and KUNSTENNAAR, J. Our Latin American trade in the first half-year, 1945. Foreign Com. Weekly 21(9): 10-11, 43. Nov. 24, 1945. 157.54 F763
- 9544 WILGUS, W. Economic outlook for the Philippines. Foreign Policy Rpts. 21: 202-207. Oct. 1, 1945. 280.9 F76R  
Agricultural economy and foreign trade.
- 9545 WOLF, F. W. Economic situation in Uruguay - 1944. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 22, 11 p. Washington, 1945. 157.54 In8  
Agriculture and foreign trade included.

#### FOOD AND HUMAN NUTRITION

##### GENERAL

- 9546 THE AMERICAN Institute of Nutrition symposium on nutrition surveys. Fed. Amer. Soc. Expt. Biol. Fed. Proc. 4: 252-281. Sept. 1945. Ref. 442.9 F31P  
Contents: Introduction, by C. G. King, p. 252; Techniques of finding out what people eat, by H. K. Stiebeling, p. 253-258; Developments in public health nutrition appraisal, by W. Wilkins and W. H. Sebrell, p. 258-263; Nutrition studies in the New Orleans area, by G. A. Goldsmith, p. 263-268; Microchemical methods for nutritional studies, by O. H. Lowry and O. A. Bessey, p. 268-271; Findings on examinations of newborn infants and infants during the neo-natal period which appear to have a relationship to the diets of their mothers during pregnancy, by H. C. Stuart, p. 271-281.
- 9547 ARGENTINA. INSTITUTO NACIONAL DE LA NUTRICIÓN. Recopilación de trabajos científicos 1942/43, 640 p. Buenos Aires, 1944. 389.9 Ar3Pu  
Partial contents: La clasificación de las edades realizada por el profesor Escudero sobre la base de las exigencias de la alimentación, by P. B. Landabure; Las reservas normales de proteínas, by P. Escudero; La alimentación de la gravida, by P. Escudero; La política de la alimentación, by P. Escudero; Requerimiento vitamínico del lactante en su primer semestre, by P. Escudero; Requerimiento vitamínico del niño desde el nacimiento hasta las doce años de edad, by P. Escudero; Los errores hallados en la alimentación de los escolares del país, by J. Espejo Solá.
- 9548 BHASKARAN, P. A. Nutrition and industrial canteens. Indian Textile J. 55: 884-887. Sept. 1945. 304.8 In2
- 9549 BINFORD, J. H. Cafeteria practices in the elementary schools of Richmond, Virginia. What's New in Home Econ. 10(4): 91-92. Dec. 1945. 321.8 W55
- 9550 BJORNSON, J. Minnesota communities promote the school lunch program. Pract. Home Econ. 23: 550, 590. Nov. 1945. 321.8 H752
- 9551 BUTLER, A. M., and others. The nutritional status of civilians rescued from Japanese prison camps. New England J. Med. 233: 639-652. Nov. 29, 1945. Ref. 448.8 N442  
J. M. Ruffin, M. M. Sniffen, and M. E. Wicksen, joint authors.
- 9552 CHATFIELD, G. H. Marketing your school lunch. Pract. Home Econ. 23: 551, 592. Nov. 1945. 321.8 H752
- 9553 CO TUI, F. W. The value of protein and its chemical components (amino acids) in surgical repair. N. Y. Acad. Med. B. 21: 631-655. Dec. 1945. Ref. 448.9 N48
- 9554 CUSHMAN, E. M., and HAYES, E. M. Volunteer helpers "boost" the school lunch. Forecast for Home Econ. 61(12): 20-21, 46, 48, 50. Dec. 1945. 321.8 F76
- 9555 DENZER, B. S. Feeding preschool children. Hygeia 23: 922, 924, 926. Dec. 1945. 449.8 H993
- 9556 DRIVER, J. Soluble coffee - not the best breakfast beverage. Consum. Res., Inc. B. 16(6): 18-21. Dec. 1945. 321.8 C76
- 9557 ECKBLAD, I. M. Feeding family properly takes head work. Hawaii. U. Agr. Ext. Let. 26(2): 2. Oct. 1945. 275.29 H312
- 9558 ESCUDERO, P. Influencia de la alimentación del hijo que cumple un año, sobre el presupuesto familiar. Costo de la Aliment. 1: 17-19. Oct. 1944. 284.39 Ar3
- 9559 FALLAS DIAZ, M., and NETTLESHIP, A. Changes in tissues of children deprived of dietary protein. Amer. J. Clin. Path. 15: 353-361. Sept. 1945. 448.8 Am34
- 9560 GREAT BRITAIN. MINISTRY OF FOOD. The agricultural worker. Gt. Brit. Min. Food. Our Food Today, No. 3, 8 p. London, 1945. 389.9 G790  
Food supplies and allowances.
- 9561 GREAT BRITAIN. MINISTRY OF FOOD. British restaurants; an outline of development, 1940-44. Gt. Brit. Min. Food. Our Food Today, No. 4, 7 p. London, 1945. 389.9 G790



9562 GREAT BRITAIN. MINISTRY OF FOOD. The industrial worker. Gt. Brit. Min. Food. Our Food Today, No. 2, 8 p. London, 1945. 389.9 G790

9563 GREAT BRITAIN. MINISTRY OF FOOD. National flour (82½ per cent. extraction) and bread. Sixth report from the Scientific Adviser's Division, Ministry of Food. Food Manufacture 20: 449-452. Dec. 1945. 389.8 F736

9564 KAUCHER, M., and others. Human milk studies. XX. The diet of lactating women and the collection and preparation of food and human milk for analysis. Amer. J. Dis. Children 70: 142-147. Sept. 1945. 448.8 Am38

E. Z. Moyer, A. J. Richards, H. E. Williams, A. L. Wertz, and I. G. Macy, joint authors.

9565 KENT-JONES, D. W. Food chemists helped Britain to weather the war. Food Indus. 17: 1313, 1432, 1434, 1436. Nov. 1945. 389.8 F737

9566 KLEIBER, M. Dietary deficiencies and energy metabolism. Nutr. Abs. and Rev. 15: 207-222. Oct. 1945. Ref. 389.8 N95

9567 LENTS, J. M. How to feed 300 workers in 10 minutes. Factory Managt. and Maintenance 103(12): 124-126. Dec. 1945. 291.8 M28

9568 MACKINNON, F. Some observations on nutrition in Peru. Nutr. News 9(1): 3. Oct. 1945. 399.8 N957

9569 PIERCE, H. B., and others. Nutritional defects among children in Vermont. New England J. Med. 233: 612-617. Nov. 22, 1945. Ref. 448.8 N442  
P. F. Fenton, W. Wilkins, M. E. Newland, and P. S. Budge, joint authors.

9570 PRATT, D. B., JR. Experiments with lecithin in bread. Bakers' Helper 84(1053): 38-40, 92. Dec. 1, 1945. 389.8 B17

9571 QUINTANA, E. Agricultura y nutrición. Asoc. Gen. de Agr. [Guatemala]. B. 29, p. 1, 4; No. 30, p. 2-3. Oct. 20, 27, 1945. 8 As52

9572 REASOR, A. G. Lunches can be attractive, nutritious with little effort. Amer. Restaurant Mag. 19(11): 28, 48. Nov. 1945. 389.2538 Am3

9573 RICHARDSON, W. H. Man's quest for health-giving food. N. C. Bd. Health. Health B. 60(12): 7-9. Dec. 1945. 449.7 N81B

9574 ROBERTS, L. J., and others. Results of providing a liberally adequate diet to children in an institution. J. Ped. 27: 393-427. Nov. 1945. Ref. 448.8 J8291

I. Acceptance of foods and changes in the adequacy of diets consumed, by L. J. Roberts, R. Blair, and M. Greider, p. 303-409. II. Growth in weight and height, by R. Blair, L. J. Roberts, and M. Greider, p. 410-417. III. Blood and urinary excretion studies before and after dietary improvement, by H. Oldham, L. J. Roberts, and M. Young, p. 418-427.

Studies made in a boarding school.

9575 ROOT, H. F., and CARPENTER, T. M. The effects of the dietary supply of carbohydrate upon the response of the human respiratory quotient after glucose administration. J. Nutr. 30: 333-341. Nov. 10, 1945. Ref. 389.8 J82

9576 TALLERI LLAGUNO, A. Orientación técnica de la agricultura en el Perú, en relación con el problema alimenticio. Agronomía [Lima], 10(43): 11-15. Sept. 1945. 9.8 Ag83

9577 TISDALE, A. M. Native foods for the holiday dinner. Minn. Hort. 73: 138. Nov. 1945. 81 M66

9578 VAIL, G. E., and SMULL, M. L. Soybeans and soybean products in the menu. Amer. Dietet. Assoc. J. 21: 698-699. Dec. 1945. 389.8 Am34

9579 WIEHL, D. G. Statistical research in clinical tests for nutritional deficiencies. Amer. J. Pub. Health 35: 1168-1174. Nov. 1945. 449.9 Am3J

## FOOD HABITS

9580 BELL, V. "What did you eat yesterday" reveals food habits in recent survey. Nutr. News 9(1): 3, 4. Oct. 1945. 399.8 N957

9581 CABRERA, A. S. Elogio de la cocina criolla. Chacra 16(181): 90-91. Nov. 1945. 9 C34  
Argentina.

9582 HAGEMAN, M. I. A study of plate waste as a directive measure in food conservation: Part II. Amer. Dietet. Assoc. J. 21: 685-689. Dec. 1945. 389.8 Am34

## Food preferences.

9583 VAN SYCKLE, C. Some pictures of food consumption in the United States: Part II. 1860 to 1941. Amer. Dietet. Assoc. J. 21: 690-695. Dec. 1945. 389.8 Am34

9584 WHERE do we eat? Amer. Cookery 51(3): 22-29, 52, 56-57, 59-61, 66. Nov. 1945. 389.8 B65

Contents: At home. Changing methods and sources for tomorrow's foods affect the homemaker, by J. Kiene, p. 22-23, 52; Eating out. Restaurants are setting a pattern for our nutritional and health levels, by A. Kusswurm, p. 24-25, 66; At the drugstore. You can eat well at a soda fountain counter - but chances are you won't, p. 26, 59-61; At the automat. Patrons of Horn & Hardart's restaurants choose meals from automatic vending machines, p. 27, 56-57; On the job. Better health and increased production insure the future of industrial feeding, by R. M. Laurance; p. 28-29, 57.

## NUTRITIVE AND VITAMIN CONTENT

9585 AXTMAYER, J. H. Apuntes sobre nutrición. Agr. Mex. 61(9): 18-23. Sept. 1945. 8 Ag8  
On vitamins.

9586 CORYELL, M. N., and others. Human milk studies. XXII. Nicotinic acid, pantothenic acid and biotin contents of colostrum and mature human milk. Amer. J. Dis. Children 70: 150-161. Sept. 1945. 448.8 Am38

W. E. Harris, S. Miller, H. E. Williams, and I. G. Macy, joint authors.

9587 COWGILL, G. R. Relative nutritive values of animal and vegetable fats. Physiol. Revs. 25: 664-686. Oct. 1945. Ref. 447.8 P563

9588 CUTHBERTSON, D. P. The biochemistry and nutritional role of the amino-acids. Pharm. J. [London] 155: 242. Dec. 1, 1945. 396.8 P49

9589 DESMOND, T. C. Why New York State adopted legislation to perpetuate bread enrichment. Bakers' Weekly 128(9): 44-47. Nov. 26, 1945. 389.8 B172

9590 EKLUND, A. E., and GODDAED, V. R. Stability of thiamin chloride (vitamin B<sub>1</sub>) in mineral and vitamin-fortified cereal. Food Res. 10: 365-372. Sept./Oct. 1945. Ref. 389.8 F7322

9591 FENTON, F., and others. Effect of quantity preparation procedures on vitamin retention: canned peas. Amer. Dietet. Assoc. J. 21: 700-702. Dec. 1945. 389.8 Am34

E. Gleim, M. Albury, K. Visnyei, and J. R. McCartney, joint authors.

9592 FRUTAS tropicales; fruticultura, por Pestonit. Rincón Campesino 6(59): 17-18. Oct. 1945. 8 R47

Analysis of mangoes.



- 9593 GOLDEN, W. R. G., and SCHECTER, M. S. Vitamin C status of troops in the Tropics. U. S. Army Med. Dept. B, 4: 710-717. Dec. 1945. 152.9 Ar52
- 9594 GOUNELLE, H., VALLETTE, A., and RAOUL, Y. Les besoins quotidiens en vitamine PP. Rapports entre les ingesta et les taux sanguins. Soc. de Biol. Compt. Rend. 139: 16-17. Jan. 1945. 442.9 P21
- 9595 GRANT, MRS. G. Our daily bread. Home and Country [Durban], 4(37): 5-6. (To be cont.) July 1944. 281.28 H754
- Vitamins in bread.
- 9596 GUERRANT, N. B., VAVICH, M. G., and FARDIG, O. B. Nutritive value of canned foods; comparison of vitamin values obtained by different methods of assay. Indus. and Engin. Chem., Analyt. Ed. 17: 710-714. Nov. 1945. 381 J825A
- 9597 GUERRANT, N. B., VAVICH, M. G., and DUTCHER, R. A. Nutritive value of canned foods; influence of temperature and time of storage on vitamin contents. Indus. and Engin. Chem., Indus. Ed. 37: 1240-1243. Dec. 1945. 381 J825
- 9598 HARTZLER, E. R. The availability of ascorbic acid in papayas and guavas. J. Nutr. 30: 355-365. Nov. 10, 1945. Ref. 389.8 J82
- 9599 HILL, C. Iron, the great protector. Better Health 19: 19-20. Nov. 1945. 449.8 B46
- 9600 HOHLER, P. W., and GARNATZ, G. A simple test for riboflavin in enriched flours. Cereal Chem. 22: 559-560. Nov. 1945. 59.8 C23
- 9601 HOLMES, A. D., CROWLEY, L. V., and KUZMESKI, J. W. Influence of supplementary calcium and magnesium fertilizers upon nutritive value of kale. Food Res. 10: 401-407. Sept./Oct. 1945. Ref. 389.8 J7322
- 9602 HOLMES, A. D., LINDQUIST, H. G., and GREENWOOD, E. K. Variation in fat, ascorbic acid, and riboflavin content of goat's milk. J. Dairy Sci. 28: 853-858. Nov. 1945. 44.8 J822
- 9603 HOOVER, A. A., and KARUNAIRATNAM, M. C. Oxalate content of some leafy green vegetables and its relation to oxaluria and calcium utilization. Biochem. J. 39: 237-238. 1945. Ref. 382 B52
- 9604 IRVINE, O. R. The food value of cheese. Ontario Cheese Prod. Assoc. Rpt. (1945) 12: 15-18. 44.9 On8
- 9605 IRVINE, O. R., and others. The retention of nutrients in cheese making. I. The retention of calcium, phosphorus and riboflavin in Cheddar cheese made from raw milk. II. The effect of pasteurization of the milk upon the retention of calcium, phosphorus and riboflavin in Cheddar cheese. III. The calcium, phosphorus and riboflavin contents of cream, cottage, brick and blue cheese. Sci. Agr. 25: 817-853. Aug. 1945. Ref. 7 Sci2
- L. R. Bryant, W. H. Sproule, S. H. Jackson, A. Crook, and W. M. Johnstone, joint authors.
- 9606 JONES, I. D., and ETCHHELLS, J. L. Food value of brined vegetables. Res. and Farming. N. C. Sta., Prog. Rpt. 4(1): 1-2, 12. Oct. 1945. 100 N81R
- 9607 JONES, J. A. Survey of 2,431 physicians in the Philadelphia Area on the use of milk. Certified Milk 20(235): 5, 17-18. Nov. 1945. 44.5 C33
- Types preferred for children and those on special diets.
- 9608 KIMBROUGH, R. Improving the staff of life. South. Planter 106(12): 29. Dec. 1945. 6 So89
- 9609 KRAUSS, W. E., and others. Vitamin A potency of Ohio butter. Ohio Agr. Expt. Sta. Bimo. B. 30: 157-163. Sept./Oct. 1945. 100 Oh38
- L. Skinner, J. W. Hibbs, T. V. Armstrong, and W. L. Slatter, joint authors.
- 9610 LAWRENCE, J. M., HERRINGTON, B. L., and MAYNARD, L. A. Human milk studies XXVII. Comparative values of bovine and human milks in infant feeding. Amer. J. Dis. Children 70: 193-199. Sept. 1945. 448.8 Am38
- 9611 LEE, F. A., and WHITCOMBE, J. Effect of freezing preservation and cooking on vitamin content of green soybeans and soybean sprouts. Amer. Dietet. Assoc. J. 21: 696-697. Dec. 1945. Ref. 389.8 Am24
- 9612 LEE, F. A. Vitamin retention in blanched carrots; alcohol-insoluble solids as a reference base. Indus. and Engin. Chem., Analyt. Ed. 17: 719-720. Nov. 1945. 381 J825A
- 9613 LESHER, M., and others. Human milk studies. XXVI. Vitamin A and carotenoid contents of colostrum and mature human milk. Amer. J. Dis. Children 70: 182-192. Sept. 1945. 448.8 Am38
- J. K. Brody, H. H. Williams, and I. G. Macy, joint authors.
- 9614 LUND, A. A. Vitamin research points way to modern fountain of youth. Food Mater. and Equip. 5(11): 4. Nov. 1945. 389.8 F7393
- Enrichment.
- 9615 MUNKS, B., and others. Human milk studies. XXV. Ascorbic acid and dehydroascorbic acid in colostrum and mature human milk. Amer. J. Dis. Children 70: 176-181. Sept. 1945. 448.8 Am38
- A. Robinson, H. H. Williams, and I. G. Macy, joint authors.
- 9616 NELSON, W. L., and SOMERS, G. F. Determination of ascorbic acid; application of the indophenol-xylene extraction method to determination in large numbers of tomato and tomato juice samples. Indus. and Engin. Chem., Analyt. Ed. 17: 754-756. Dec. 1945. Ref. 381 J825A
- 9617 OLDFIELD, J. Old wives' vitamins. Veg. Messenger and Health Rev. 42: 238-239. Dec. 1945. 389.8 V522
- 9618 PATTON, M. B., and COMIN, D. The effect of storage upon the vitamin content of dehydrated fruits and vegetables. Ohio Agr. Expt. Sta. Bimo. B. 30: 148-151. July/Aug. 1945. 100 Oh35
- 9619 POLLARD, A., KIESER, M. E., and STEEDMAN, J. The nutritional value of parthenocarpic tomatoes. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 179-184. 84 B77
- 9620 REIG FELIU, A. La naranja y sus vitaminas. Siembra 1(1): 60-61. Jan. 1945. 15 S11
- 9621 ROBINSON, A. D., and CAMPBELL, R. Thiamine in breakfast cereals made from rice. Rice J. 48(11): 6-7. Nov. 1945. 59.8 R36
- 9622 RODERUCK, C. E., WILLIAMS, H. H., and MACY, I. G. Human milk studies. XXIII. Free and total thiamine contents of colostrum and mature human milk. Amer. J. Dis. Children 70: 162-170. Sept. 1945. 448.8 Am38
- 9623 RODERUCK, C. E., and others. Human milk studies. XXIV. Free and total riboflavin contents of colostrum and mature human milk. Amer. J. Dis. Children 70: 171-175. Sept. 1945. 448.8 Am38
- M. N. Coryell, H. H. Williams, and I. G. Macy, joint authors.
- 9624 SCARBOROUGH, H. Observations on the nature of vitamin P and the vitamin P potency of certain foodstuffs. Biochem. J. 39: 271-278. 1945. Ref. 382 B52
- 9625 SCRIMSHAW, N. S., HUTT, F. B., and SCRIMSHAW, M. W. The effect of genetic variation in the fowl on the thiamine content of the egg. J. Nutr. 30: 375-383. Nov. 10, 1945. Ref. 389.8 J82
- 9626 SHETLAR, M. R., SHETLAR, C. L., and LYMAN, J. F. Determination of riboflavin in chocolate milk and the comparative photochemical losses of riboflavin in chocolate and whole milk. J. Dairy Sci. 28: 873-878. Nov. 1945. 44.8 J822



9627 STAMBERG, O. F. Vitamin C and carotene in rose hips and products. Food Res. 10: 392-396. Sept./Oct. 1945. Ref. 389.8 F7322

9628 YOUNG, J. B., and others. Surveys of the nutrition of populations. 5. The vitamin C nutrition of a rural population in middle Tennessee. Amer. J. Hyg. 42: 254-261. Nov. 1945. 449.8 Am3  
E. W. Patton, W. R. Sutton, R. Kern, and R. Steinkamp, joint authors.

9629 YOUNGER, F. M., and HARVEY, E. H. Stability of added vitamins in beer. Food Res. 10: 397-400. Sept./Oct. 1945. 389.8 F7322

# MISCELLANEOUS

## GENERAL

9630 ABBOTT, J. B. This predator legend. Pa. Game News 16(8): 4-5, 18, 24. Nov. 1945. 412.9 P38Pe

Wildlife as predators.

9631 ARGENTINA. MINISTERIO DE AGRICULTURA. Memoria, 1943/44, 196 p. Buenos Aires, 1944? 255.1 Ag8Me

9632 ASSOCIATION OF APPLIED BIOLOGISTS. Symposium on the genetical relations of plants and animals to their pests and diseases. Ann. Appl. Biol. 32: 277-282. Aug. 1945. 442.8 Am72  
Individual articles are analyzed by subject in this issue of the Bibliography.

9633 BABCOCK, H. E. A program for the cooperation of agriculture, industry, and labor in research and education. (Address.) Natl. Forecast Council. Proc. 1944: 114-121. 280.9 N218

9634 HEADLE, G. W. Biochemical genetics. Chem. Rev. 37: 15-96. Aug. 1945. 381 C425

9635 BEATTIE, L. Gateway to a new world; report on the United Nations Food and Agriculture Organization (FAO) conference, Quebec City. Canad. Geog. J. 31: 304-308. Dec. 1945. 470 C162

9636 BORG, R. M. Some effective poison formulas in rodent (rats and mice) control. Pests 13(11): 24, 26. Nov. 1945. 449.8 Ex8

9637 BOYD, J. L. We hear you're leavin', Mr. Coyote! Farmer-Stockman 58: 478-479. Dec. 1945. 6 Ok45

Trapping coyotes.

9638 CABADA, J. M. DE LA, and ANTONIO RUELES, J. Eliminemos las quemadas; como eliminar la practica de las quemadas en nuestra agricultura. Agr. Venezol. 9(109/110): 4-9. May/June 1945. 9.95 Ag8

9639 CANADA. ADVISORY COMMITTEE ON RECONSTRUCTION. Conservation and natural resources. Canada. Adv. Com. Reconstr. Select. Bibliog. F, 2 p., processed. n. p., 1944? 241.3 C165

9640 CANADA. DEPT. OF AGRICULTURE. Report, 1944/45, 212 p. Ottawa, 1945. 7 C16R

9641 CANNON, W. B., and FIELD, R. M. International relations in science. Chron. Bot. 9: 251-298. Autumn 1945. 450 C46

9642 CEYLON. DEPT. OF AGRICULTURE. Administration report of the acting director of agriculture, 1943, 18 p. Colombo, 1945. (Ceylon Admin. Rpts. Pt. 4. Ed., Sci., and Art (D)) 22.5 C33R

9643 CLARK, F. LE G. The story of FAO. Food Manufacture 20: 427-429. (To be cont.) Dec. 1945. 389.8 F736

9644 COLQUETTE, R. D. Where F. A. O. fits into the picture; to function efficiently the Food and Agricultural Organization will need an active and expanding world economy. Country Guide 64(12): 9, 21. Dec. 1945. 7 G76

9645 CONCLUSIONES de la 5.ª Asamblea de Entidades Agrícolas. Campesino [Santiago] 77: 461-467. Aug. 1945. 9.3 Sol2

Conclusions relating to various aspects of agriculture.

9646 CONFERENCE OF THE PRESIDENTS OF THE NEGRO LAND GRANT COLLEGES. Proceedings, 22d, 1944, 125 p. Chicago? 1944. 275.9 C762

Includes The library in Negro land grant colleges, by R. E. Stutta-Lyells, p. 34-49; Training for leadership, by C. R. Wickard, p. 78-82; War Food Administration activities, by J. W. Mitchell, p. 83-91.

9647 ENGLISH, P. F. Farming to help wildlife. Pa. Game News 16(8): 15. Nov. 1945. 412.9 P38Pe

9648 EVANS, O. R. Making FAO work; the first session of the first of the United Nations organizations aims to free the world from want. Family Herald and Weekly Star 76(46): 3, 4. Nov. 14, 1945. 7 F21

9649 FREIER, R. Many problems face growers. Pacific Northwest Farm Bur. News 19(2, Wheat League Sect.): 17. Dec. 1945. 275.293 Washington

Program of Production Problems Committee of Washington-Idaho Wheat Growers League - seed improvement, soil conservation, weed control.

9650 HAITI. SERVICE NATIONAL D'HYGIENE ET D'ASSISTANCE PUBLIQUE. Rapport annuel, 1942/43, 275 p. Port-au-Prince, 1944. 449.75 H12

Includes reports on rat control, mosquito control, and on food sanitation.

9651 JARRETT, H. FAO conference [Quebec, Oct. 1945]. Better Farming Methods 18(8, i. e. 2): 10, 21. Nov./Dec. 1945. 58.8 B46

9652 JEFFREY, E. C. Chiasmotypy or the doctrine of delayed action fertilization. Science 102: 653-656. Dec. 28, 1945. 470 Sci2

9653 KING, N. Road to recovery. Hawaii Farm and Home 8(11): 6, 27. Nov. 1945. 25 H3191  
Reorganization of the U. S. Department of Agriculture.

9654 LANCOM, F. H. Wild animals and agriculture. 8. The weasel family. Ct. Brit. Min. Agr. Agriculture 52: 371-373. Nov. 1945. 10 G79J

9655 LASTOCHKIN, D. Achievements in Soviet hydrobiology of continental waters. Ecology 26: 320-331. Oct. 1945. Ref. 410 Ec7  
Includes aquatic insects and plants.

9656 LOPEZ, M. S. Los pájaros; auxilios que prestan al agricultor. - Necesidad de leyes que los protejan. Honduras Agr. 1(12/13): 16. Sept./Oct. 1945. 8 H753

9657 LYLE, C. Rat control on farms by use of two attack lines. Miss. Farm Res. [Miss. Sta.] 8(10): 7. Oct. 1945. 100 M69M1

9658 MCINTYRE, E. R. How to write with a S-I-Z-Z-L-E; suggestions how co-ags and vo-ags can write news stories that farm folks will read. Better Farming Methods 18(8, i. e. 2): 14, 21. Nov./Dec. 1945. 58.8 B46

9659 MAHEUX, G. L'O. V. A. créé, qu'en adviendra-t-il? B. des Agr. 41(12): 14, 28-29. Dec. 1945. 7 B872

On the Food and Agriculture Organization of the United Nations.

9660 MALMÖHNS LÄNS HUSHÄLLNINGSSÄLSKAP. Årsberättelse, 1944. Malmöhus Läns Hushåll. Sällsk. Förtälskr., No. 2, p. 83-116. 1945. 11 M29  
Annual report, including information on weather, crops, prices, research, livestock, and gardening.

- 9661 MARTÍNEZ, J. F. New economic horizons for Peru. *Com. Pan Amer.*, v. 14, No. 10/11, 57 p., processed. Oct./Nov. 1945. 280.8 C736  
Issued by Pan American Union.  
Includes agriculture, with statistics, agricultural labor, cost of living, mineral production, hydroelectric power, and rural electrification.
- 9662 MIDDLETON, K. Nutritionist comments on the F. A. O. conference. *Manitoba Co-op.* 3(8): 5. Nov. 15, 1945. 280.28 M31
- 9663 NEW YORK (STATE). DEPT. OF HEALTH. Annual report, 64, 1943, v. 1 (301 p.). N. Y., 1944. (Leg. Doc. 1944, No. 80) 449.7 N482  
Contains reports on food-borne diseases and on milk sanitation.
- 9664 NEW ZEALAND. DEPT. OF AGRICULTURE. Annual report for 1944-45, 24 p. Wellington, 1945. 23 N48
- 9665 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Modern methods of rat destruction. North. Ireland. Min. Agr. Leaflet 116, 7 p. Belfast, 1945. 10 N81
- 9666 ONTARIO. DEPT. OF AGRICULTURE. Report, 1944/45, 111 p. Toronto, 1945. 7 On8R
- 9667 PANAMA. MINISTERIO DE AGRICULTURA Y COMERCIO. Memoria, 1942/44, 543 p. Panama, 1944. 8 P195
- 9668 PEARSON, L. B. Food and Agriculture Organization of the United Nations. Holstein-Friesian World 42: 2102. Dec. 1, 1945. 43.8 H742  
Same title in *Nutr. News* 9(1): 1. Oct. 1945. 399.8 N957
- 9669 SALVI, A. La agricultura. Conf. Interamer. de Agr., 3, Caracas, 1945. *Diario*, No. 9, p. 3-6. Aug. 2, 1945. 5 In8203D
- 9670 SHARPE, B. 5000 pounds of fish a year per acre. *Country Gent.* 115(12): 26, 28. Dec. 1945. 6 C833
- 9671 SPEAKER, E. B. Fish in Iowa's farm ponds. *Iowa Conserv.* 4: 177, 179, 182. Nov. 15, 1945. 279 Io92
- 9672 SWITZERLAND. EIDGENÖSSISCHE AGRIKULTURCHEMISCHE ANSTALT, LIEBEFELD-BERN. Bericht über die Kontrolltätigkeit der Eidg. Agrikulturchemische Anstalt Liebefeld-Bern im Jahre 1943. *Landw. Jahrb. der Schweiz* 59: 135-157. 1945. 17 L23  
Investigations of fertilizers and feeds.  
Report for 1944 in same periodical, p. 249-270, 1945, by L. Gisiger.
- 9673 UGANDA PROTECTORATE. DEPT. OF AGRICULTURE. Annual report, 1943/44, 10 p. Entebbe, 1945. 24 Ug12
- HISTORY AND BIOGRAPHY
- 9674 BRESSOU, C. Professeur G. Barrier (1853-1945). *Rec. de Méd. Vét.* 121: 5-9. Jan. 1945. 41.9 R24
- 9675 BRIERLEY, W. G. Peter M. Gideon--pioneer nut grower. *Minn. Hort.* 73: 137-138. Nov. 1945. 81 M66
- 9676 C., F. C. The centenary of a great American; John Chapman--pioneer horticulturist. *Seed World* 58(11): 24. Dec. 7, 1945. 61.8 Se52  
Johnny Appleseed.
- 9677 DRURY, M. B. The debt of conservation to Dr. John C. Merriam. *Amer. Forests* 51: 597, 621-622. Dec. 1945. 99.8 F762
- 9678 HALL, C. J. Henry F. Bain, respected scientist in cranberries. *Cranberries* 10(7): 6-7. 10. Nov. 1945. 80 C852  
List of his papers given in footnote.
- 9679 HANSEN, N. E. Fifty years work as agricultural explorer and plant breeder. *Iowa State Hort. Soc. Trans.* (1944) 79: 28-49. 81 Io9
- 9680 HOFFMAN, P. J. City Briton, first war flier, now successful prairie farmer; A. D. Pocock, who developed land the hard way, is one of Canada's leading Red Poll breeders. *Country Life* [Vernon] 29(10): 24. Oct. 1945. 7 C832
- 9681 HOFMANN, S. Pasteurs bedeutung als mikrobiologe. *Schweiz. Zentbl. f. Milchw.* 34: 168, 169. Sept. 28, 1945. 44.8 Sch93
- 9682 KONONOVA, M. Pamfati Aleksandra Aleksandrovicha Shmuka (In memory of Alexander Alexandrovich Schmuck). *Pochvovedenie* (Pedology), No. 5/6, p. 309-311. 1945. 57.8 P34
- 9683 LOMBARD, C. Professeur G. Petit (1870-1945). *Rec. de Méd. Vét.* 121: 97-100. Apr. 1945. 41.9 R24
- 9684 "MAN OF THE YEAR" in service to agriculture - for Mississippi, Dr. W. F. Hand [chemist], for Louisiana, Dr. H. B. Brown [agronomist], for Arkansas, Dr. Warren S. Gifford [animal breeding]. *Prog. Farmer, Miss.-Ark.-La. Ed.* 61(1): 15, 61. Jan. 1946. 6 So81
- 9685 MORA, H.E. En el fondo de toda alma Argentina hay un estanciero. *Chacra* 15(180): 36. Oct. 1945. 9 C34  
An interview with Ramón J. Cárcano.
- 9686 MUSSER, K. B. Dr. James Earl Russell. *Guernsey Breeders' J.* 68: 1093. Dec. 1, 1945. 43.8 G93
- 9687 SAINSBURY, G. O. K. Obituary: Hugh Neville Dixon (1861-1944). *Roy. Soc. New Zeal. Trans. and Proc.* 75(1): xlviii. June 1945. 514 N46
- 9688 SAMARAKIS, B.A. Prosper Gervais. *Off. Internatl. du Vin. B.* 18(171/174): 3-6. May/Aug. 1945. 390.8 B87
- 9689 SHANTZ, H. L. Frederic Edward Clements. *Ecology* 26: 317-319. Oct. 1945. 410 Ec7
- 9690 SHOKAL'SKAÏA, Z. Vera Aleksandrovna Bal'ts (Vera Alexandrovna Balz). *Pochvovedenie* (Pedology), No. 5/6, p. 311. 1945. 57.8 P34
- 9691 STEERE, W. C. Robert Statham Williams (1859-1945). *Bryologist* 48: 93-99. Sept. 1945. 450 B84  
List of his publications.
- INTER-AMERICAN RELATIONS
- 9692 COLOM, J. L. La Tercera Conferencia Interamericana de Agricultura. *Pan Amer. Union. B.* 79: 672-679. Dec. 1945. 150.9 M76B
- METEOROLOGY
- 9693 BEATER, B. E. The distribution of rainfall along the coast of Natal and Zululand. *So. African Sugar Technol. Assoc. Proc.* (1945) 19: 59-64. 65.9 So83
- 9694 BILHAM, E. G. Weather forecasting for farmers. *Gt. Brit. Min. Agr. Agriculture* 52: 359-362. Nov. 1945. 10 G79J
- 9695 DIAS, J. DE D. DE O. Climatologia. *Per-nambuco. Sec. de Agr., Indús. e Com. B.* 12: 71-87. Apr./June 1945. 9.2 P423
- 9696 LABRADOR, I. Influencia de la luna en la agricultura. *Café de Nicaragua* 1(8): 20-21. June/July 1945. 68.28 C114
- 9697 OSMOND, D. A. Agricultural "weather" regions of England and Wales. The integration of summer rainfall and temperature data. *Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt.* 1944: 213-218. 84 B77
- 9698 VILLENEUVE, G. O. Les données climatériques. *Forêt Québécoise* 10: 286-287. Nov. 1945. 99.8 F79



## RESEARCH

8698 AGRICULTURAL RESEARCH INSTITUTE OF NORTHERN IRELAND. Annual report, 18, 1944/45, 30 p. Hillsborough, 1945. 103 N813

8700 ASTORGA BARRIGA, E. Como funcionan las estaciones experimentales del Canada. Campesino [Santiago] 77: 471-473. Aug. 1945. 9.3 Sol2

8701 DAVIES, J. G. C. S. I. R. Deniliquin research station; soils, plants, animals and irrigation. Country Life [Sydney, 57(13, Fat Lamb Sup.): 13. Sept. 28, 1945. 286.85 Sy2

8702 GREAT BRITAIN. COLONIAL OFFICE. Colonial research, 1944/45, 31 p. London, 1945. (Gt. Brit. Parliament. Papers by Command Cmd. 6663) 330.9 G796C

Contents: I. Colonial Research Committee: Second annual report; II. Colonial Products Research Council: Second annual report; III. Colonial Social Science Research Council: First annual report. Research in agriculture, animal health, forestry, and the social sciences.

8703 JACK, H. A. Biological field stations of the world. Chron. Bot. 9: 1-73. Summer 1945. 450 C46

8704 LIDDELL, K. How science serves the farmer in Canada. Canad. Business 18(12): 54-55, 122. 124. Dec. 1945. 287 C162

8705 MILNE, L. J. Coated lenses for biological photography. Biol. Photog. Assoc. J. 14: 59-75. Dec. 1945. 332.9 B52

Includes photographs of plants and insects.

8706 MOSOLOV, V. P. Soviet science and farmers. Agr. Com. Amer.-Soviet Friendship. Release 54, p. 1-2, processed. Dec. 15, 1945. 20 Ag89

8707 RAPPE, G. Den regionale försöksverksamheten. Lantmannen 29: 1005-1007. Nov. 10, 1945. 11 L234

Program for regional research and information activities in Sweden.

8708 SWEDEN. STATENS LANTBRUKSKEMISKA KONTROLLSTATIONEN, JÖNKÖPING. Berättelse, arbetsåret 1 Juli 1944-30 Juni 1945 [Report, 1944/45], 10 p. Jönköping, 1945. 385 J73  
Agricultural chemical research.

## NEW PERIODICALS AND SERIALS

8709 AGRICULTURAL INSTITUTE REVIEW. Bimonthly. Vol. 1, No. 1, Sept. 1945. 88 p. Ottawa, Canada, Agricultural Institute of Canada, 1005 Confederation Bldg. 7 Ag8

8710 ARGENTINA. INSTITUTO DE SANIDAD VEGETAL. [Publicaciones] ser. B. Irregular. Vol. 1, No. 2, 1945. 23 p. Buenos Aires. 464.9 Ar323P

8711 BOLIVIA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Revista Mensual. No. 2, Aug. 1945. 46 p. La Paz. 255.2 Es832R

8712 COUNTRYSIDE QUARTERLY. Late summer, 1945. 46 p. Sherborne, Dorset. 10 C835

8713 GREAT BRITAIN. COLONIAL OFFICE. Colonial research, 1944/45. Annual. No. 1, 1945. 31 p. London. 330.9 G796C

8714 PURINA RESEARCH AND SERVICE DIGEST. Irregular. Vol. 1, No. 5, 1945. 16 p. St. Louis, Ralston Purina Company. 49 P973

Digests of published research on poultry, livestock, and human nutrition.

8715 EL RANCHO. Monthly. Vol. 1, No. 1, Oct. 1945. 48 p. México, D. F., El Rancho, S. Juan de Letrán 27. 8 R15R

8716 REVISTA DEL CAFÉ. Monthly. Vol. 1, No. 5, Oct. 1945. 42 p. Ponce, Puerto Rico, "Cafeteros" Bldg. 8 R3295

8717 REVUE OVINE; organe officiel de l'Association des Anciens Éléves des Écoles Techniques de Rambouillet. Monthly. No. 1, Sept. 15, 1945. 19 p. Paris. 45.8 R32

8718 RIO GRANDE DO SUL. DIRETORIA DA PRODUÇÃO ANIMAL. Boletim. Semiannual. Vol. 1, No. 1, Jan./June 1945. 78 p. Porto Alegre. 49.9 R47





# BIBLIOGRAPHY OF AGRICULTURE

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Agricultural Information Series

8718 CLAYTON, E. E. Blue mold control in tobacco beds. U. S. D. A. AIS-37. Folder. 1945. 1 Ag84A1

8720 FORESTRY and jobs. U. S. D. A. AIS 34, 8 p. 1945. 1 Ag84A1

8721 GI Loan guaranty increased. U. S. D. A. AIS-19, sup., 1 p., processed. 1946. 1 Ag84A1

Questions and answers on where and how to get a farm.

8722 LONGER life for poles and posts. U. S. D. A. AIS-36. Folder. 1946. 1 Ag84A1

Chemical treatment of poles and posts.

8723 MILLER, L. F., and TIMMONS, J. F. Public improvements for your community. U. S. D. A. AIS-38, 8-p. folder. 1945. 1 Ag84A1

Includes a list of sources of public aid for specific improvements.

8724 7 steps to help you face the future with cotton. U. S. D. A. AIS-41. Folder. 1946. 1 Ag84A1

Steps which lead to balanced farming, efficient production, better cotton, and higher profits.

Agricultural War Information

8725 FREEZING meat and poultry products for home use. U. S. D. A. AWI-75, slightly rev. Folder. 1945. 1 Ag84Aw

8726 HOME canning of meat. U. S. D. A. AWI-110, slightly rev., 16 p. 1946. 1 Ag84Aw

Circulars

8727 PIEMEISEL, R. L. Natural replacement of weed hosts of the beet leafhopper *Eutettix tenellus*, as affected by rodents. U. S. D. A. C. 739, 48 p. 1945. 1 Ag84C

8728 REGAN, M. M., JOHNSON, A. R., and CLAREN-BACH, F. A. The farm real estate situation, 1944-45. U. S. D. A. C. 743, 47 p. 1945. 1 Ag84C

Includes farm income, land earnings, and values; postwar land values.

Farmers' Bulletins

9729 NYSTROM, A. B. Dairy cattle judging. U. S. D. A. Farmers' B. 1769, rev., 29 p. 1945.

1 Ag84F

9730 SCHWARTZ, B. Internal parasites of swine. U. S. D. A. Farmers' B. 1787, slightly rev., 46 p. 1945. 1 Ag84F

9731 SEMPLE, A. T., and HEIN, M. A. Pastures to hold and enrich the soil. U. S. D. A. Farmers' B. 1900, slightly rev., 29 p. 1945. 1 Ag84F

Miscellaneous Publications

9732 CAREERS in forestry. U. S. D. A. Misc. P. 249, rev., 23 p. 1945. 1 Ag84M

Deals primarily with careers in technical forestry.

9733 COCHRANE, W. W. High-level food consumption in the United States. U. S. D. A. Misc. P. 581, 48 p. 1945. 1 Ag84M

To define an attainable high-level food consumption for the United States and to estimate the quantities of food involved.

9734 LOOKING ahead with cotton; some trends and some choices. U. S. D. A. Misc. P. 584, 22 p. 1945. 1 Ag84M

9735 MOTION pictures of the United States Department of Agriculture, 1945. U. S. D. A. Misc. P. 574, 52 p. 1945. 1 Ag84M

State institutions that lend the films; descriptive list of pictures with related slidefilms (arranged by subject).

9736 THE NATIONAL Turkey Improvement Plan. U. S. D. A. Misc. P. 555, rev., 26 p. 1945. 1 Ag84M

9737 SCOTT, C. L., and HAGOOD, A. F. Mending men's suits. U. S. D. A. Misc. P. 482, slightly rev., 24 p. 1946. 1 Ag84M

9738 TOSTLEBE, A. S., and others. The balance sheet of agriculture, 1945. U. S. D. A. Misc. P. 583, 44 p. 1945. 1 Ag84M

D. C. Horton, R. J. Burroughs, H. C. Larsen, and L. A. Jones, joint authors.

The first of a series of annual reports whose purpose is to carry forward the comparative consolidated balance sheet of agriculture which was first published for the years 1940-44 by the U. S. Bureau of Agricultural Economics in September 1944 in a report called "The Impact of the War on the Financial Structure of Agriculture," U. S. D. A. Misc. P. 567, June 1945.

Planning Aid Pamphlets

8739 JOHNSTON, R. E. Industry in rural areas; problems and programs. U. S. D. A. Planning Aid Pam. 3, 8 p., processed. Albuquerque, Postwar Planning Com., Southwest Intermountain Region, 1945. 1.90 C2In8PpL

8740 SELBY, H. E. Land tenure; problems and objectives. U. S. D. A. Planning Aid Pam. 4, 6 p., processed. Berkeley, Postwar Planning Com., Southwest Intermountain Region, 1945. 1.90 C2In8PpL

Tentative draft.

8741 SELBY, H. E. Land values; past and possible future trends. U. S. D. A. Planning Aid Pam. 5, 8 p., processed. Berkeley, Postwar Planning Com., Southwest Intermountain Region, 1945. 1.90 C2In8PpL

Tentative draft.

Radio Broadcasts (Processed)

8742 ANDERSON, C. P. Full steam ahead for '46. 2 p. Recorded Dec. 26, 1945. (Timely Farm Topics No. 50b) 1.914 R2T48

1946 production goals.

## AGRICULTURAL ECONOMICS, BUREAU OF

9743 BAKER, J. C. The business side of farming. 2 p. Jan. 5, 1946. (The Amer. Farmer) 1.913 V2B17

9744 BAKER, J. C. Department of Agriculture headlines. 2 p. Jan. 5, 1946. (Nat'l. Farm and Home Hour) 1.913 V2B17

9745 BAKER, J. C. What a hog wants in a hog house. 5 p. Recorded Dec. 20, 1945. (Farm Sci. Serves the Nation No. 29) 1.914 R2T48

9746 COBB, J. R. Planning farmstead wiring. 2 p. Recorded Aug. 2, 1945. (Timely Farm Topics No. 40b) 1.914 R2T48

9747 CRONISTER, K., and GAPEN, K. Good care for good woollens. 4 p. Nov. 27, 1945. (Your Home and Garden Program) 1.982 A2C88

9748 GRAY, R. B., and BAKER, J. Repair that farm machinery now. 4 p. Recorded Jan. 9, 1946. (Timely Farm Topics No. 51a) 1.914 R2T48

9749 HIMEBAUGH, K., and others. Vegetables grown without soil. 3 p. Recorded June 20, 1945. (Timely Farm Topics No. 37b) 1.914 R2T48

M. Hutto, K. W. Blodgett, J. D. Torrey, Jr., and W. Burton, participating.

9750 JOHNDREW, O. F. Save eggs by conserving cases. 2 p. Recorded July 18, 1945. (Timely Farm Topics No. 39b) 1.914 R2T48

9751 MOORE, E. Ammonium nitrate--newest thing in fertilizers. 2 p. Recorded Nov. 23, 1945. (Farm Sci. Serves the Nation No. 27) 1.914 R2T48

9752 MOORE, E., and DUMARS, M. L. Natural control of injurious insects. 4 p. Recorded June 20, 1945. (Timely Farm Topics No. 37-a) 1.914 R2T48

9753 AN OUNCE of prevention. 3 p. Recorded May 28, 1945. (Timely Farm Topics No. 36b-1) 1.914 R2T48

Farm accident dramatization prepared by the National Safety Council.

9754 TAYLOR-MADE safety. 3 p. Recorded May 28, 1945. (Timely Farm Topics No. 36a-1) 1.914 R2T48

Farm home accident dramatization prepared by National Safety Council.

9755 WETZEL, J. H. Accident prevention a year-round job. 2 p. Recorded June 15, 1945. (Timely Farm Topics No. 36a-2) 1.914 R2T48

9756 WETZEL, J. H. Simple steps save lives. 1 p. Recorded June 15, 1945. (Timely Farm Topics No. 36b-2) 1.914 R2T48

9757 WICKARD, C. R. As the lights go on. 2 p. Recorded Nov. 23, 1945. (Timely Farm Topics No. 48b) 1.914 R2T48

Speeding up the Government's program for bringing electricity to farm homes.

Technical Bulletins

9758 POPE, O. A., and WARE, J. O. Effect of variety, location, and season on oil, protein, and fuzz of cottonseed and on fiber properties of lint. U. S. D. A. Tech. B. 903, 41 p. 1945. 1 Ag84Te

## AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

9759 JARRELL, T. D. Lists of publications and patents of Bureau of Agricultural and Industrial Chemistry. U. S. Bur. Agr. and Indus. Chem. AIC-105, 27 p., processed. 1946. 1.932 A2Ag82

Issued during fiscal year ended June 30, 1945.

9760 PRODUCTION, concentration, properties, and assay of the antibiotic, subtilin. U. S. Bur. Agr. and Indus. Chem. AIC-106, 7 p., processed. Albany, Calif., West. Region. Res. Lab., 1946. 1.932 A2Ag82

Produced by some strains of the bacterium *Bacillus subtilis*. Is being investigated in connection with studies on the utilization of waste vegetable materials as bacterial culture media.

9761 AGRICULTURAL finance review. 104 p. 1945. 1.9 Ec78Af

Partial contents: Short-term agricultural loans of commercial banks, 1910-45, by N. J. Wall and L. A. Jones, p. 1-14; Property tax developments since 1932, by P. E. Malone, p. 15-21; Federally sponsored farm-mortgage credit agencies: wartime operations and postwar prospects, by D. C. Horton and H. C. Larsen, p. 22-34; Historical sketch of farmers' mutual fire insurance, by V. N. Valgren, p. 35-42; Financial mechanisms used by the Commodity Credit Corporation, by R. J. Burroughs, p. 43-52.

9762 BURROUGHS, R. J. Credit and other services for farm housing. 5 p., processed. 1945. 1.941 A2B94

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 5, 1945.

Recent and pending changes in Federal laws affecting farm housing.

9763 CATTLE on feed - January 1, 1946. 2 p., processed. 1946. 1.9 Ec742Caf

9764 CRAIG, G. H. Requirements for production goals. 5 p., processed. 1945. 1.956 A22C84

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 4, 1945.

9765 CRICKMAN, C. W. Feed grains and meat animals in war and peace. 55 p., processed. 1945. (F. M. 51) 1.941 L6T22

Developments in production and consumption of feed grains, meat animals, and meat during the two World Wars and intervening years; circumstances which may influence the course of changes during the early post-war period.

9766 EEZEKIEL, M. Farmers and international trade. 7 p., processed. 1945. 1.9 Ag8638

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 5, 1945.

9767 HUTSON, J. B. Price and production goals for 1946. 7 p., processed. 1945. 1.957 H97

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 4, 1945.

9768 MARSH, J. F. The use of "adjusted condition" for estimating yield per acre. 6 p., processed. 1945. (C. R. P. 21) 1.9 Ec71Crp

The 21st of a series of discussions of crop reporting procedure.

9769 PARSONS, M. S. Post-war agricultural production in the Northeast. 6 p., processed. Upper Darby, Pa., 1945. 1.941 A2P843

9770 POLICY issues faced by the South in cotton, diversification, and industrialization. 12 p., processed. 1945. 1.9 Ag8638

Based on talk by M. Ezekiel before Conference of Southern Directors of Extension, Atlanta, Oct. 1, 1945.

9771 REPORT of the Chief, fiscal year 1945. 23 p. 1946. 1 Ag84; also 1 Ec7A

9772 TOLLEY, H. R. FAO - agriculture's agency for international cooperation. 7 p., processed. 1945. 1.94 A4472T

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 5, 1945.

9773 TRENDS in agriculture during World Wars 1 and 2. 1 p., processed. 1945. 1.941 A2T72

Agricultural production; prices received and paid by farmers; total livestock and cattle on farms; loans and farm mortgage debt; farm real estate value.

9774 WALL, N. J., and JONES, L. A. Short-term agricultural loans of commercial banks, 1910-45. 14 p., processed. 1945. 1.941 F4Sh8

Separate from Agr. Finance Rev., v. 8, Nov. 1945. 1.9 Ec78Af

9775 WELLS, O. V. Agriculture's stake in full employment. 6 p., processed. 1945. 1.941 F3W46

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 5, 1945.



## AGRICULTURAL RESEARCH ADMINISTRATION

9776 FRACKER, S. B. Statement on Fulbright Bill (S. 1248) [Scientific Research Act]...at hearing of the Senate Committee on Commerce, December 13, 1945. 9 p., processed. 1945. 1.98 F84

9777 PENICILLIN made available through agricultural research. 2 p., processed. Jan. 14, 1946. (Res. Achievement Sheet) 1.98 R31

## ANIMAL INDUSTRY, BUREAU OF

9778 MINIMUM requirements for diagnosis of pul-lorum disease by post-mortem examination of reactors. 1 p., processed. n. d. 1.972 A2M66

9779 SPEELMAN, S. R. Shetland ponies. U. S. Bur. Anim. Indus. A. H. D. 77, 3 p., processed. 1946. 1.9 An52Ah

9780 STATE participation in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 25, rev., 4 p., processed. 1946. 1.9 An52Ah

Names of contact representatives and official State agencies.

## BUDGET AND FINANCE, OFFICE OF

9781 LEGISLATION enacted during the 79th Congress (for that part of the first session from August 12 through December 29, 1945). 7 p., processed. 1946. (Budget and Finance C. 820, Sup. 1) 1.9 Ag872B

## COMMODITY CREDIT CORPORATION

9782 FOOD for peace. 16 p., processed. San Francisco? 1945. 1.957 Su7F34

Radio script. Delegates to the United Nations Conference at San Francisco from France, Holland, Yugoslavia tell of the need for food in Europe.

9783 THE 1945 Cuban sugar crop purchase and sale contract. 16 p., processed. 1945. 1.957 F97  
Entered into by and between Commodity Credit Corporation and the Instituto Cubano de Estabilización del Azúcar.

9784 OILSEEDS; purchase, sale and use of peanuts of the 1945 crop. 4 p., processed. 1945. (War Food Order No. 130) 1 F733F

## DAIRY INDUSTRY, BUREAU OF

9785 LIST of available publications of the U. S. Department of Agriculture relating to the dairy industry. Rev., 9 p., processed. 1945. 1.9 An55Pu

9786 PARTIAL list of journals relating to the dairy industry. 2 p., processed. 1945. (BDIM-Inf-3) 1.973 D4B34

9787 SHEPHERD, J. B. Potato-hay silage. 2 p., processed. 1946. (BDIM-Inf-27) 1.973 D4B34

## ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

9788 BOWEN, C. V., and HALLER, H. L. Insecticidal action of organic halogen compounds--a comparison of selected literature references. U. S. Bur. Ent. and Plant Quar. E-678, 14 p., processed. 1945. 1.9 En83

9789 COTTON, R. T., and FRANKENFELD, J. C. Protecting stored seed from insect attack. U. S. Bur. Ent. and Plant Quar. E-677, 15 p., processed. 1945. 1.9 En83

9790 MEXICAN fruitfly [Anastrepha ludens] regulations modified. U. S. Bur. Ent. and Plant Quar. B. E. P. Q. 544, 1 p., processed. 1946. 1.9 F73

Administrative instructions resuming permit requirements for interstate movement of citrus fruits from the regulated area, effective Jan. 21, 1946.

9791 MODIFICATION of black stem rust [wheat] quarantine and regulations. U. S. Bur. Ent. and Plant Quar. B. E. P. Q.--Q. 38, Amend. 1, 1 p., processed. 1946. 1 F31

9792 PLANT-QUARANTINE import restrictions of the Union of South Africa. U. S. Bur. Ent. and Plant Quar. B. E. P. Q. 471, Sup. 2, rev., 2 p., processed. 1945. 1.9 F73

Pertains to vegetable seeds, elm products, timber products, and potatoes.

9793 RUDE, C. S., and PARISH, H. E. Control of the sheep tick [Melophagus ovinus] by a single dipping in DDT emulsion. U. S. Bur. Ent. and Plant Quar. E-679, 2 p., processed. 1946. 1.9 En83

9794 SHILLER, I. A hibernation cage for the pink bollworm [Pectinophora gossypiella]. U. S. Bur. Ent. and Plant Quar. ET-226, 6 p., processed. 1946. 1.9 En83Et

9795 STAGE, H. H. Use of DDT in control of flies on cattle and around farm buildings. U. S. Bur. Ent. and Plant Quar. E-675, 6 p., processed. 1945. 1.9 En83

9796 STAGE, H. H. The use of DDT in controlling fleas. U. S. Bur. Ent. and Plant Quar. E-680, 4 p., processed. 1946. 1.9 En83

9797 A STATEMENT regarding the use of DDT and other chemicals for termite control. 2 p., processed. 1945. 1.967 F4st22

9798 WHITE-FRINGED beetle [Pantomorus] quarantine [effective Dec. 12, 1945]. U. S. Bur. Ent. and Plant Quar. B. E. P. Q.--Q. 72, 10 p., processed. 1945. 1 F31

9799 WHITE-FRINGED beetle [Pantomorus] quarantine regulations modified. U. S. Bur. Ent. and Plant Quar. B. E. P. Q. 485, rev., 2 p., processed. 1945. 1.9 F73

14th revision, effective Dec. 12, 1945.

## EXPERIMENT STATIONS, OFFICE OF

9800 EXAMPLES of research results of the Federal Experiment Station in Puerto Rico. 2 p., processed. 1945. 1.912 Ex12

9801 LIST of land-grant colleges in the United States. 2 p., processed. 1946. 1.9 Ex6La

## EXTENSION SERVICE

9802 ADDRESSES of State extension foresters, January - 1946. 4 p., processed. 1946. 1.913 A2Ad12

9803 COLLINGS, M. L. [Materials for the National Home Demonstration Agents' Association's Annual Meeting, Chicago, December 1945.] 6 p., processed. 1945. 1.913 S2M41

Contents: Operation: rearrangement of dish cupboards; Work improvement proposal; Excerpts from daily time records of HDA's; Daily time record of home demonstration agent.

9804 HALL, F. L. Observations made during the Farm Labor Program which have a bearing on home demonstration work and other extension programs. 5 p., processed. 1945. 1.913 E2067

9805 MALCOLM, O. P., and GERICKE, B. Home-grown food; production--preservation. 9 p., processed. 1945. (Lecture for Slidefilm No. 663) 1.9 Ex892La

9806 MARTIN, T. T. Junior leaders in the 4-H Club program (based upon the Central States). 15 p., processed. 1945. 1.913 F3J95

Brief review, summary, and conclusions of a study in the Graduate School, Rural Sociology, University of Missouri, June 6, 1945.

9807 OUTLINE for group discussion on the design and use of visual materials. 2 p., processed. 1945. 1.913 E20u82

For use at Farm Work Simplification Research Workers' Conference, Purdue University, Nov. 13-15, 1945.

9808 RECOMMENDATIONS of committees--regional cotton conferences. 6 p., processed. 1945.

1.913 C3C82

Conferences at Memphis, Dallas, and Atlanta on Nov. 8-9, 12-13, 19-20, 1945, respectively. Reports of the four committees appointed at each conference to develop recommendations on (1) economic facts needed, (2) educational program procedures, (3) subject-matter plans, and (4) information and general promotion procedures.

9809 REPORT of conference Central States extension directors, Hotel Morrison, Chicago, October 9-11, 1945. 6 p., processed. 1945. 1.913 C3C332

9810 ROBINSON, J. L. Credit for young farmers. U. S. Ext. Serv. Ext. Serv. C. 435, 7 p., processed. 1945. 1.9 Ex892Esc

A program for young farmers' groups; credit experience with young farmers.

9811 STATE correspondents concerned with extension information and visual material. 8 p., processed. 1946. 1.913 I2St22

9812 VON DORSTER, MRS. N. Readability: a selected bibliography. 4 p., processed. 1945. 1.913 S2R222

9813 WILSON, M. L. Extension retools for peace. 7 p., processed. 1945. 1.913 A2W69

Address before the Annual Meeting of the National Association of County Agricultural Agents, Chicago, Dec. 6, 1945.

The future of extension work with particular reference to responsibilities of county agents.

9814 WILSON, M. L. The 4-H charter for tomorrow. 6 p., processed. 1945. 1.913 A2W69

Address at the 24th Annual 4-H Club Congress, Chicago, Dec. 2, 1945.

9815 WILSON, M. L. Radio as an agricultural extension tool. 6 p., processed. 1945. 1.913 A2W69

Statement before the Federal Communications Commission hearing on clear channel stations, Jan. 14, 1946.

9816 WILSON, M. L. Today's vision -- tomorrow's reality. 5 p., processed. 1945. 1.913 A2W69

Address before the Annual Conference of the National Home Demonstration Agents' Association, Chicago, Dec. 6, 1945.

Looking ahead in extension work.

9817 THE WORLD sugar situation [a compilation of excerpts from the complete BAE Sugar Situation Reports]. 56 p., processed. 1945? 1.913 A2W892

#### FARM CREDIT ADMINISTRATION

9818 GARTSIDE, P. T. Farmers' cooperative periodicals. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 5, rev., 29 p., processed. 1945. 166.3 M68

9819 KNAPP, J. G., and SCEARCE, J. L. Handbook on major regional farm supply purchasing cooperatives 1943 and 1944. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 89, 45 p., processed. 1945. 166.3 M68

9820 MANN, L. B. Organizing a refrigerated food locker association. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 20, rev., 34 p., processed. 1945. 166.3 M68

9821 SALE of surplus agricultural and forest lands; information on the plan of disposal of farm and forest real property, declared surplus by the Government. Folder. Kansas City, Mo., 1945. 1.955 A2Sa3

#### FARM SECURITY ADMINISTRATION

9822 THE SIZE of the tenant purchase loan related to the status of the TP family in 1943. 69 p., processed. 1945. (1943 Family Progress Rpt. Release No. 12) 1.95 F21

Includes land resources, assets and liabilities, loans, income and expenses, debt repayment.

#### FEDERAL CROP INSURANCE CORPORATION

9823 WRIGHT, J. C. Federal crop insurance for the farmer. 6 p., processed. 1945. 1.952 W93  
Address at Eastern Oregon Wheat League, Dec. 6, 1945, at Pendleton, Oreg.

#### FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

9824 ENGLUND, E. World affairs and the farmer. 9 p., processed. 1946. 1.943 Em3  
Address at the Tenth Annual Convention of the Canadian Federation of Agriculture, London, Ontario, Jan. 22, 1946.

Foreign trade; steps that have been taken or proposed to achieve international cooperation.

9825 JOHNSON, A. R. Outlook for our farm exports. 8 p., processed. 1946. 1.943 J62  
Address on Jan. 17, 1946, before the Oregon State College, Corvallis.

9826 SCHREIBER, W. R. World dried-prune production largest since 1939. 11 p., processed. 1945. 1.943 W8923

#### FOREST SERVICE

9827 BACKGROUND, highlights, copy slants for timber management program. 5 p., processed. 1945. 1.962 A2B12

9828 BETTS, H. S. American woods. 8 Nos. 1945. 1.9 F76Am  
American basswood (*Tilia americana*). 6 p. July.  
American beech (*Fagus grandifolia*). 8 p. Oct.  
Butternut (*Juglans cinerea*). 4 p. Sept.  
Flowering dogwood (*Cornus florida*). 4 p. Sept.  
Jack pine (*Pinus banksiana*). 5 p. Oct.  
Lodgepole pine (*Pinus contorta latifolia*). 5 p. Aug.

Maple (*Acer* species). 12 p. Sept.  
Noble fir (*Abies procera*). 5 p. Oct.

9829 FOREST fires and how you can prevent them. 11 p. 1945. 1 F76Fof

War Advertising Council and the U. S. Office of War Information cooperating.

9830 FORESTS and employment; report of the Chief of the Forest Service, 1945. 35 p. 1946. 1 F76; also 1 Ag84

9831 SAFETY rules, 1945. 79 p., processed. 1945. 1.9 F76Saf

9832 TIMBER management program. 3 p., processed. 1945. 1.962 A2T482

Suggestions applicable to all woodland.

9833 WHY DID it happen? 6 p., processed. 1945. 1.962 A2W622  
Accident prevention.

#### HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

9834 BIBLIOGRAPHY of recent publications and selected motion picture films relating to family living. 23 p., processed. 1945. (FE-493) 1.982 E2B47

9835 JONES, D. B. Proteins and amino acids. 3 p., processed. 1945. 1.982 A2P94  
From Med. Woman's Jour., Oct. 1945.  
Nutritional value; sources.

9836 MAKE the most of sugar in canning fruit. 2 p., processed. 1945. 1.982 A2M28



## INFORMATION, OFFICE OF

9837 BAKER, J. C. Testimony presented...at Clear Channel hearings before the Federal Communications Commission, January 14, 1946. 7 p., processed. 1946. 1.913 V2B17

Radio services of U. S. D. A.; testimony on "Whether and to what extent the clear channel stations render a program service particularly suited to the needs of listeners in rural areas."

9838 SUGGESTIONS for the use of motion pictures by 4-H Clubs. 2 p., processed. 1945. 1.914 M2Sa3

## PERSONNEL, OFFICE OF

9839 REPORT of the Director of Personnel, 1945. 11 p. 1945. 1 Ag84; also 1 P432

PLANT INDUSTRY, SOILS,  
AND AGRICULTURAL ENGINEERING, BUREAU OF

9840 SIEVERS, A. F. The production of mustard seed in the United States. 5 p., processed. Beltsville, Md., 1945. (DRP-14) 1.965 D2P942

9841 STOUTEMYER, Y. T., and CLOSE, A. W. Plant propagation under fluorescent light. 3 p., processed. Beltsville, Md., 1945. 1.965 A2P692

Construction of a case; operation directions.

9842 WILCOX, L. V., and NELSON, C. E. The ground water and salt balance conditions of the Sunnyside Valley Irrigation District for the period March 1 to October 31, 1944. 28 p., processed. Riverside, Calif., Rubidoux Lab., 1945. 1.965 I2G91

## PRODUCTION AND MARKETING ADMINISTRATION

9843 THE AGRICULTURAL Conservation Program... 1946 handbook. 8 Nos. 1945. (WR 46-1) 1.42 W52F

California, 20 p.; Montana, 23 p.; Nevada, 17 p.; New Mexico, 22 p.; North Dakota, 19 p.; Oregon, 19 p.; Utah, 22 p.; Wyoming, 21 p.

9844 COMPILATION of Soil Conservation and Domestic Allotment Act, as amended, Agricultural Adjustment Act of 1938, as amended, Federal Crop Insurance Act, as amended, Sugar Act of 1937, as amended, related appropriation items, and miscellaneous laws as of July 1, 1945. 192 p. 1945. 1.42 Ad4An

9845 COTTON quality statistics, United States 1944-45. 62 p., processed. 1945. (CS-15) 1.9422 ABC732

9846 DIRECTORY of the Meat Inspection Division. Corrected to July 1, 1945. 44 p. 1945. 1 F733D

9847 GERDES, F. L. Mechanization of cotton production as related to processing and marketing. 7 p., processed. 1945. 1.9422 C2G31

Presented before Annual Meeting of the Cotton-Textile Institute, Inc., New York, Nov. 27-28, 1945.

9848 HANDBOOK of conservation practices... 1946 Agricultural Conservation Program. 3 Nos. 1945. (SRB-1001) 1.42 So8B

Alabama, 15 p.; Arkansas, 15 p.; Louisiana, 13 p. 9849 HUTSON, J. B. A look ahead. 13 p., processed. 1945. 1.957 H97

Address at the Annual Ohio State Extension Conference, Columbus, Dec. 20, 1945, on production schedules and the probable market for our products.

9850 KITCHEN, C. W. Postwar progress. 8 p., processed. 1946. 1.9422 A2K64

Address before the United Fresh Fruit and Vegetable Association, Chicago, Jan. 23, 1946.

Marketing fruits and vegetables and related subjects.

9851 THE 1946 Agricultural Conservation Program. 6 Nos. 1945? (NER-1010) 1.42 N76F

Maine, 8 p.; Massachusetts, 8 p.; New Jersey, 8 p.; New York, 6 p.; Rhode Island, 4 p.; Vermont, 10 p.

9852 PRICES of cotton cloth and raw cotton, and mill margins for certain constructions of unfinished cloth, 1944-45. 4 p., processed. 1945.

1.9 Ec733Fco  
9853 STITTS, T. G. Outlook for the dairy industry. 6 p., processed. 1945. 1.955 C2St5

Excerpts from address before the American Farm Bureau Federation, Chicago, Dec. 17, 1945.

9854 SUGAR determination. 1 No. 1945. 1.94 Su3Sd

Determination of fair and reasonable prices for the 1945 crops of Florida and Louisiana sugarcane for sugar. 1 p.

9855 TOBACCO market review, 1944-45 season. 31 p., processed. 1945. 1.9 Ec714T

9856 WAR FOOD Orders. 4 Nos. 1945. 1 F733F

WFO 10, amend. 13. Rice set aside. 2 p. Dec. 29.

WFO 42, amend. 21. Fats and oils; restrictions on packaging. 1 p. Nov. 29.

WFO 132. Restrictions on distribution and use of corn. 1 p. June 15.

WFO 134. Fats and oils; glycerine inventories. 2 p. June 20.

9857 WILSON, H. F. Marketing Florida citrus; summary of 1944-45 season. 94 p., processed. Lakeland, Fla., 1945. 1.9 Ec741L

## RURAL ELECTRIFICATION ADMINISTRATION

9858 REPORT of the Administrator, 1945. 28 p. 1945. 173.2 R88A; also 1 Ag84

## SECRETARY, OFFICE OF

9859 ANDERSON, C. P. Agriculture takes stock. 12 p., processed. 1946. 1.91 A2An2  
Address before a group of farmers and farm leaders, Raleigh, Jan. 4, 1946.

9860 ANDERSON, C. P. Cooperatives and the family farm. 13 p., processed. 1946. 1.91 A2An2  
Address before the National Council of Farmer Cooperatives, Chicago, Jan. 9, 1946.

9861 ANDERSON, C. P. Credit for tomorrow's agriculture. 13 p., processed. 1946. 1.91 A2An2  
Address before the Missouri Bankers University Conference, Columbia, Jan. 16, 1946.

9862 ANDERSON, C. P. New frontiers for the livestock industry. 15 p., processed. 1946. 1.91 A2An2

Address before the American National Livestock Association convention, Denver, Jan. 11, 1946.

9863 ANDERSON, C. P. Post-war jobs for farmers. 11 p., processed. 1946. 1.91 A2An2  
Talk at Harrisburg Pa., Jan. 22, 1946, at the George Washington Carver Dinner, 1946 Goals Adjustment Conference.

9864 ANDERSON, C. P. Radio -- a farm tool. 2 p., processed. 1946. 1.91 A2An2

Talk at the inauguration of a new farm program over Station KLZ, Denver, Colo., Jan. 10, 1946.

9865 ANDERSON, C. P. "Radio serves the farmer." 2 p., processed. 1945. 1.91 A2An2  
Broadcast in the National Farm and Home Hour, Sept. 15, 1945.

9866 ANDERSON, C. P. Statement...on S. 1592, a bill to establish a national housing policy and provide for its execution, before the Committee on Banking and Currency of the Senate, Dec. 13, 1945. 6 p., processed. 1945. 1.91 A2An2

9867 KOENIG, M. Post-war readjustment for the poultry industry. 8 p., processed. 1945. 1.91 A2K81

Address before Connecticut Farmers' Cooperative Auction Association, Hartford, Nov. 1, 1945.

9868 MINOR, W. A. The relation of the extension service to the USDA. 6 p., processed. 1945. 1.91 A2M66

Address before the Annual Extension Conference, Blacksburg, Va., Dec. 14, 1945.

## SOIL CONSERVATION SERVICE

9869 ASPECTS of administration of Soil Conservation Districts; a summary of reports on cooperative studies made in 1944 by the Federal Extension Service, the Soil Conservation Service, and nineteen State extension services. 29 p., processed. 1945. 1.96 Ad6As

9870 GASTON, T. L. Soil conservation - indications of the problem and an approach to the solution. 6 p., processed. 1945. 1.96 Ad6Ca

Address at the Annual Convention of the National Association of County Agricultural Agents at Chicago, Dec. 8, 1945.

9871 MISCELLANEOUS information for farm planners. Rev., 27 p., processed. Lincoln, 1945. 1.9607 M68

Includes basic information on feeds and feeding and land measurement.

9872 OUTLINE of [Soil Conservation Service] regional training school for subprofessional employees, Carbondale, Illinois. 16 p., processed. Milwaukee, 1945. 1.9605 Ou82

9873 PRYOR, W. C. A guide to writing for Soil Conservation Service writers. Rev., 7 p., processed. 1945. 1.96 R27G1

9874 WEEDS and their control. 3 p., processed. Albuquerque? 1945. 1.9608 W41



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS  
March 1946

Includes State Agricultural Experiment Station publications received in the library during the preceding month. Articles in Station periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Arizona Agricultural Experiment Station, Tucson

9875 STANLEY, E. B., and MCCALL, R. A study of performance in Hereford cattle. I. Progeny testing of Hereford sires. II. Type as an indicator of performance. Ariz. Agr. Expt. Sta. Tech. B. 109, p. 35-53. 1945. 100 Ar4

California Agricultural Experiment Station, Berkeley

9876 HANNESSON, H. A., RAYNOR, R. N., and CRAFTS, A. S. Herbicidal use of carbon disulfide. Calif. Agr. Expt. Sta. B. 693, 57 p. 1945. Ref., p. 56-57. 100 C12S

9877 PENDLETON, R. A., and ROBBINS, W. W. Fertilizers for sugar beets on some California soils. Calif. Agr. Expt. Sta. B. 694, 26 p. 1945. 100 C12S

9878 ESSIG, E. O. Silk culture in California. Calif. Agr. Expt. Sta. C. 363, 15 p. 1945. Ref., p. 14-15. 100 C12S

Colorado Agricultural Experiment Station, Fort Collins

9879 COLORADO farm bulletin, v. 7, No. 6, 15 p. Nov./Dec. 1945. 100 C71S

Connecticut (State) Agricultural Experiment Station, New Haven

9880 ANDERSON, P. J., and SWANBACK, T. R. Tobacco Substation at Windsor: report for 1944. Conn. (State) Agr. Expt. Sta. B. 487, p. 265-296. 1945. 100 C76St

Research reported on fertilizers, irrigation, and tobacco diseases.

9881 SINGLETON, W. R. Sweet corn trials, Mt. Carmel and Windsor, Connecticut, 1945: report of progress 45G2. 13 p., processed. Conn. (State) Agr. Expt. Sta., 1946. 100 C76SS

Georgia Agricultural Experiment Station, Experiment

9882 HIGGINS, B. B. Peanut yields can be doubled. Ga. Agr. Expt. Sta. Press B. 557, 1 p., processed. 1946. 100 G29P

Hawaii Agricultural Experiment Station, Honolulu

9883 HENKE, L. A., WILLETT, E. L., and MARUYAMA, C. Pineapple tops or crowns as a substitute for Napier grass in cattle rations. Hawaii. Agr. Expt. Sta. Prog. Notes 45, 6 p., processed. 1945. 100 H313P

Illinois Agricultural Experiment Station, Urbana

9884 SOYBEAN production experience in Illinois: summary notes on meetings with farmers in Livingston, Clay, Macon, and Knox Counties. Ill. Agr. Expt. Sta. AE-2345, 12 p., processed. 1945. 275.29 IL62P

U. S. Department of Agriculture cooperating.

9885 DUNGAN, G. H., and BONNETT, O. T. Varieties of winter wheat for Illinois. Ill. Agr. Expt. Sta. C. 596, 4 p. 1945. 275.29 IL62C

Indiana Agricultural Experiment Station, Lafayette

9886 GREGORY, H. W., and HORRALL, B. E. A study of Indiana butter. Ind. Agr. Expt. Sta. B. 504, 20 p. 1945. 100 In2P

9887 ELLIS, N. K. Potato production on northern Indiana muck soils. Ind. Agr. Expt. Sta. B. 505, 15 p. 1945. 100 In2P

9888 OBERHOLTZER, J. W., and HARDIN, L. S. Simplifying the work and management of hog production. Ind. Agr. Expt. Sta. B. 506, 31 p. 1945. 100 In2P

9889 QUACKENBUSH, F. W., and others. Inspection of commercial fertilizers. Ind. Agr. Expt. Sta. C. 305, 75 p. 1945. 100 In2P

O. W. Ford, A. S. Carter, H. L. Mitchell, C. M. Cohee, J. W. Jackman, L. C. Shenberger, and H. C. Kennedy, joint authors.

9890 STRASZHEIM, R. E., HORRALL, N., and JUSTIN, M. M. December 1, 1945, pig survey. 2 p. Ind. Agr. Expt. Sta., 1945. 252.25 Ag8P  
Situation and outlook.

Kentucky Agricultural Experiment Station, Lexington

9891 PHILLIPS, C. D. Collection of milk and cream from farms in Kentucky. Ky. Agr. Expt. Sta. B. 479, 30 p. 1945. 100 K41

9892 ROBERTS, J. B. Feed for Kentucky livestock: amounts of livestock and feed produced, and sources of purchased feed. Ky. Agr. Expt. Sta. B. 480, 43 p. 1945. 100 K41

9893 BYERS, G. B., and PINNEY, P. M. Custom rates for farm jobs - 1944; (Report of progress). Ky. Agr. Expt. Sta. Farm Ec. Misc. 142, 45 p., processed. 1945. 281.9 K41

9894 PRICE, W. A., and TILSON, H. G. Some items of interest to Kentucky nurserymen for the year ended June 30, 1945. Ky. Agr. Expt. Sta. Regulat. Ser. B. 44, 11 p. 1945. 100 K41

Plant pests in nurseries and directory of nurserymen.

9895 PRICE, W. A., and others. Seed inspection in Kentucky, 1944-45. Ky. Agr. Expt. Sta. Regulat. Ser. B. 45, 36 p. 1945. 100 K41

M. L. Didlake, E. C. Vaughn, E. Deen, H. Tilson, A. McDaniel, M. Morton, M. L. Littell, L. Baugh, and C. Cundiff, joint authors.

Massachusetts Agricultural Experiment Station, Amherst

9896 SOUTHWICK, L., FRENCH, A. P., and ROBERTS, O. C. The identification of pear varieties from non-bearing trees. Mass. Agr. Expt. Sta. B. 421, sup., 2 p. 1945. 100 M38H

9897 GUBA, E. F. Carnation wilt diseases and their control. Mass. Agr. Expt. Sta. B. 427, 64 p. 1945. Ref., p. 61-64. 100 M38H

Blight caused by the fungus *Alternaria dianthi* and branch rot caused by *Fusarium dianthi*.

9898 SMITH, P. H. Inspection of commercial feedstuffs. Mass. Agr. Expt. Sta. Control Ser. B. 125, 32 p. 1945. 100 M38H

9899 GUINNESS, C. I. Meteorological observations for November, December 1945. Mass. Agr. Expt. Sta. Met. Ser. B. 683, 684, 4 p. each. 1945. 100 M38H

Michigan Agricultural Experiment Station, East Lansing

9900 THE QUARTERLY bulletin, v. 28, No. 2, p. 85-172. Nov. 1945. 100 M58S

Mississippi Agricultural Experiment Station, State College

9901 GULL, P. W., and ADAMS, J. E. Mechanical production of cotton. Miss. Agr. Expt. Sta. B. 423, 14 p. 1945. 100 M69

9902 DICKINS, D. Time activities in homemaking. Miss. Agr. Expt. Sta. B. 424, 26 p. 1945. 100 M69

9903 HIGHLIGHTS of the work of the Mississippi Experiment Station: fifty-seventh annual report for the fiscal year ending June 30, 1944. 52 p. 1945. 100 M69

9904 MISSISSIPPI farm research, v. 8, No. 11, 8 p. Nov. 1945. 100 M69M1

Missouri Agricultural Experiment Station, Columbia

9905 KAUFMAN, H. F., and MORSE, W. W. Illness in rural Missouri. Mo. Agr. Expt. Sta. Res. B. 391, 55 p. 1945. 100 M693

9906 SCHULTZE, A. B., and TURNER, C. W. The determination of the rate of thyroxine secretion by certain domestic animals. Mo. Agr. Expt. Sta. Res. B. 392, 89 p. 1945. 100 M693

Study of thyroid in poultry and goats.

9907 DURANT, A. J., and MCDUGGLE, H. C. Further investigations of the transmission of fowl paralysis (Neurolymphomatosis) by direct transfusion. Mo. Agr. Expt. Sta. Res. B. 393, 18 p. 1945. 100 M693

9908 RICHARDSON, L. R., HOGAN, A. G., and KEMPSTER, H. L. Soybean oil meal as a protein supplement for baby chicks. Mo. Agr. Expt. Sta. Res. B. 395, 19 p. 1945. 100 M693

New York (Cornell) Agricultural Experiment Station, Ithaca

9909 ANDERSON, W. A. Farm women and the services of a farmers' cooperative: a study of the relationship of farm women to the Cooperative Grange League Federation Exchange, Incorporated, or CLF. N. Y. (Cornell) Agr. Expt. Sta. Mimeog. B. 17, 34 p. 1945. 100 N48Cm

New York (State) Agricultural Experiment Station, Geneva

9910 HUCKETT, H. C. Timing rotenone applications for control of the pea aphid (*Macrosiphum pisi*) on Long Island, with special reference to mosaic incidence. N. Y. (State) Agr. Expt. Sta. B. 713, 30 p. 1945. 100 N48

9911 HEINICKE, A. J. Sixty-fourth annual report of the New York State Agricultural Experiment Station for the year ended June 30, 1945. 74 p. 1946. 100 N48

9912 FARM research, v. 12, No. 1, 20 p. Jan. 1, 1946. 100 N48A

North Carolina Agricultural Experiment Station, State College Station, Raleigh

9913 MAYO, S. C. Preventable deaths in North Carolina. N. C. Agr. Expt. Sta. Prog. Rpt. RS-6, 12 p., processed. 1945. 100 N81P

North Dakota Agricultural Experiment Station, State College Station, Fargo

9914 WIIDAKAS, W., and LEARY, W. J. 1944 hybrid corn field trials. N. Dak. Agr. Expt. Sta. Agron. Mimeog. C. 76, 15 p. 1945. 100 N813A

9915 BIMONTHLY bulletin, v. 8, No. 2, 31 p. Nov./Dec. 1945. 100 N813B

Ohio Agricultural Experiment Station, Wooster

9916 BIMONTHLY bulletin, v. 30, No. 237, p. 177-200. Nov./Dec. 1945. 100 Oh3S

Oklahoma Agricultural Experiment Station, Stillwater

9917 OKLAHOMA farm production prospects for 1946. Okla. Agr. Expt. Sta. Mimeog. C. M-150, 29 p. 1945. 100 Ok4M

U. S. Bureau of Agricultural Economics cooperating. 9918 WALTON, R. R. The southwestern corn borer [*Diatraea grandiosella*]. Okla. Agr. Expt. Sta. Mimeog. C. M-153, 4 p. 1945. 100 Ok4M

9919 CURRENT farm economics, v. 18, No. 6, p. 125-156. Dec. 1945. 100 Ok4

Oregon Agricultural Experiment Station, Corvallis

9920 KUHLMAN, G. W., BLOSSER, J. H., and MUMFORD, D. C. Cost of producing apples and pears in the Hood River Valley, Oregon. Oreg. Agr. Expt. Sta. B. 429, 22 p. 1945. 100 Or3

9921 THOMAS, H. L., KUHLMAN, G. W., and MUMFORD, D. C. Cost of production and utilization of crested wheatgrass on eastern Oregon wheat farms. Oreg. Agr. Expt. Sta. C. 167, 27 p. 1945. 100 Or3

Pennsylvania Agricultural Experiment Station, State College

9922 DUNBAR, C. O., ANTHONY, R. D., and KINTER, E. B. Peach orchard soil management. Pa. Agr. Expt. Sta. B. 476, 28 p. 1945. 100 P381

South Carolina Agricultural Experiment Station, Clemson

9923 MOSER, A. M. The food supply of rural families in the six mile area of Pickens County, 1939-40 and 1942-43. S. C. Agr. Expt. Sta. B. 360, 45 p. 1945. 100 So8

9924 STEPP, J. M. Cotton ginning equipment and its utilization in South Carolina. S. C. Agr. Expt. Sta. B. 362, 43 p. 1945. 100 So8

9925 VAN BLARICOM, L. O., and MORGAN, C. L. Freezing preservation of food products. S. C. Agr. Expt. Sta. C. 71, 14 p. 1945. 100 So8

South Dakota Agricultural Experiment Station, Brookings

9926 AGRICULTURAL research in South Dakota: fifty-eighth annual report of the South Dakota Agricultural Experiment Station, July 1, 1944 to June 30, 1945. 49 p. 1945. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

9927 MOOERS, C. A., and HAZLEWOOD, B. P. Sericea as a soil-improving crop for corn. Tenn. Agr. Expt. Sta. B. 197, 12 p. 1945. 100 T25S

Effect of sericea on corn yields.

9928 WILLIAMS, D. E., MACLEOD, F. L., and MORRELL, E. Fused phosphates of varying fluorine content as a phosphorus supplement to rats. Tenn. Agr. Expt. Sta. C. Inform. 70, Sup. 1, 5 p., processed. 1945. 100 T25C

9929 GALLIEN, G. S. Natural neighborhoods and communities of Wayne County, Tennessee. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 193, 24 p., processed. 1946. 173.2 W89Co

Texas Agricultural Experiment Station, College Station

9930 FRAPS, G. S., and OGIER, T. L. Commercial fertilizers in 1944-45. Tex. Agr. Expt. Sta. B. 674, 31 p. 1945. 100 T31S



9931 MCDONALD, J. E., and FRAPS, G. S. Commercial insecticides and fungicides in Texas, 1944-1945. Tex. Agr. Expt. Sta. C. 108, 15 p. 1945. 100 T31S

9932 BRISON, F. R. The influence of icing upon retention of vitamin C in vegetables after harvest. Tex. Agr. Expt. Sta. Prog. Rpt. 974, 6 p., processed. 1945. 100 T31P

9933 PICKETT, B. S. Sweet corn varieties in the lower Rio Grande Valley. Tex. Agr. Expt. Sta. Progress Rpt. 977, 2 p., processed. 1945. 100 T31P

9934 ROGERS, J. S., REEVES, R. G., and COLLIER, J. W. Results of tests in 1945 with hybrid corn and corn varieties in Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 978, 3 p., processed. 1945. 100 T31P

9935 WOODFIN, V. I., and BROOKS, L. E. Cucumber varieties in the Wichita Valley. Tex. Agr. Expt. Sta. Prog. Rpt. 980, 2 p., processed. 1945. 100 T31P

9936 YOUNG, P. A. Results of tomato variety-yield tests in east Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 981, 3 p., processed. 1945. 100 T31P

9937 WRIGHT, R. E. Sweet potato fertilizer studies in east Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 982, 3 p., processed. 1946. 100 T31P

9938 FUDGE, J. F., and FRAPS, G. S. Effect of large amounts of phosphates upon yield and composition of grasses. Tex. Agr. Expt. Sta. Prog. Rpt. 983, 2 p., processed. 1946. 100 T31P

#### Vermont Agricultural Experiment Station, Burlington

9939 MIDGLEY, A. R., and DUNKLEE, D. E. The availability to plants of phosphates applied with cattle manure. Vt. Agr. Expt. Sta. B. 525, 22 p. 1945. 100 V59

#### Virginia Agricultural Experiment Station, Blacksburg

9940 UNDERWOOD, F. L. Farm and manufacturing wages in Virginia. Va. Agr. Expt. Sta. B. 378, 24 p. 1945. 100 V81S

9941 WINGARD, S. A., and BATTEN, E. T. Treat seed peanuts for profit. Va. Agr. Expt. Sta. B. 382, 11 p. 1945. 100 V81S

9942 MCVICKAR, M. H., and STARLING, T. M. The 1945 official Virginia varietal tests of corn hybrids, barley, oats, and wheat. Va. Agr. Expt. Sta. B. 383, 16 p. 1945. 100 V81S

9943 HENDERSON, R. G., MATTHEWS, E. M., and JENKINS, W. A. Tobacco plant-bed management. Va. Agr. Expt. Sta. B. 384, 12 p. 1945. 100 V81S

#### Washington Agricultural Experiment Station, Pullman

9944 SINGLETON, H. P., NELSON, C. E., and STANBERRY, C. O. Alfalfa varieties under irrigation. Wash. Agr. Expt. Sta. B. 464, 32 p. 1945. 100 W27E

9945 ENSMINGER, M. E., and others. Relation of thiamine in the ration to vitamin deposition, intestinal flora, and physiology of the pig. Wash. Agr. Expt. Sta. B. 468, 36 p. 1945. 100 W27E

W. W. Heinemann, T. J. Cunha, and E. C. McCulloch, joint authors.

9946 BIRD, B. W., and LANDIS, P. H. Planning the rural hospital and health center. Wash. Agr. Expt. Sta. Pop. B. 181, 16 p. 1945. 100 W27E

9947 DOBIE, J. B. Electrical heating of water for livestock. Wash. Agr. Expt. Sta. Pop. B. 182, 11 p. 1945. 100 W27E

#### West Virginia Agricultural Experiment Station, Morgantown

9948 KEYES, D. M. More production through better practices. W. Va. Agr. Expt. Sta. B. 320, 21 p. 1945. 100 W52

Farming practices in Upshur County, Va.

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month. Articles in Extension periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing State Extension Service.

Mimeographed or processed material issued by the State Agricultural Extension Services is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

California University, College of Agriculture, Agricultural Extension Service, Berkeley

9949 FISKE, J. N. Farming in Colusa County for the newcomer. 19 p., processed. Calif. Agr. Col. Ext., 1945. 275.2 C12Far

9950 LENHART, M. W. Labor requirements for California crops - major seasonal operations - based on acreages and production for 1944. (A supplement.) State summary by crop. 2 p., processed. Calif. Agr. Col. Ext., 1945. 275.29 C12L

9951 SULLIVAN, W., and SALTER, A. G. 1944 citrus production cost study: lemons and grapefruit, San Bernardino County, including ten year summary, 1934-1944. 14 p., processed. Calif. Agr. Col. Ext., 1945. 275.29 C12En

9952 SULLIVAN, W., and WINRIGHT, G. 1945 desert grapefruit management study, Imperial County: an analysis of labor, materials and costs, and the production and income of 18 grapefruit orchards covering 397 acres in Imperial County, California, and a four year average. 8 p., processed. Calif. Agr. Col. Ext., 1946. 275.29 C12En

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

9953 CROSSMON, B. D. Choosing a Connecticut farm. Conn. Agr. Col. Ext. B. 372, 27 p. 1945. 275.29 C76B

9954 FARMERS and 1945 income taxes. Conn. Agr. Col. Ext. B. 374, 12 p. 1945. 275.29 C76B

Illinois University, College of Agriculture, Extension Service, Urbana

9955 WALKER, E. D., and HAY, R. C. Grass or gullies. Ill. Agr. Col. Ext. C. 593, 20 p. 1945. 275.29 IL62C

9956 LINDSTROM, D. E., and REGNIER, E. H. You can have good community meetings. Ill. Agr. Col. Ext. C. 594, 8 p. 1945. 275.29 IL62C

9957 FITZSIMMONS, C. Reducing time and motions in dishwashing. 11 p., processed. Ill. Agr. Col. Ext., 1945. 275.2 IL62Re

Kentucky University, College of Agriculture and Home Economics, Extension Service, Lexington

9958 KINNEY, E. J., KENNEY, R., and FERGUS, E. N. Lospedeza in Kentucky. Ky. Agr. Col. Ext. C. 407, 16 p. 1945. 275.29 K415

9959 COLLAR, hames and harness fitting. Ky. Agr. Col. Ext. C. 408, 4 p. 1945. 275.29 K415

9960 HARRIS, C. E., CATON, S., and BROOKS, J. B. Poultry project for 4-H Club members: brooding chicks. Ky. Agr. Col. Ext. C. 409, 16 p. 1945. 275.29 K415

9961 BONDURANT, J. H., and NICHOLLS, W. D. Farm lease. Ky. Agr. Col. Ext. Farm Ec. Misc. 141, 4-p., folder. 1945. 281.9 K41  
A form for drawing up a lease.

9962 CATON, S. Laying flock management. Ky. Agr. Col. Ext. Leaflet 93, 6 p. 1945. 275.29 K415Le

9963 IMLAY, F., and HAAK, P. J. Canning fruit without sugar or with less sugar than usual. Ky. Agr. Col. Ext. Leaflet 94, 2 p. 1945. 275.29 K415Le

9964 GARRIGUS, W. P. Kentucky cow-and-calf plan: 550- to 850-pound calves for slaughter at weaning. Ky. Agr. Col. Ext. Leaflet 95, 4 p. 1945. 275.29 K415Le

9965 GOOD, E. S. Raising and fattening high-quality feeder calves: a cow-and-calf plan. Ky. Agr. Col. Ext. Leaflet 96, 6 p. 1945. 275.29 K415Le

9966 MORRISON, H. B. How to make farm butter. Ky. Agr. Col. Ext. Leaflet 97, 4 p. 1945. 275.29 K415Le

9967 PIFER, R. W. Sloping floors save new-born pigs. Ky. Agr. Col. Ext. Leaflet 98, 6 p. 1945. 275.29 K415Le

9968 COPELAND, L. Dairy bulls: selection, feeding, management. Ky. Agr. Col. Ext. Leaflet 99, 8 p. 1945. 275.29 K415Le

Louisiana State University and Agricultural and Mechanical College, Division of Agricultural Extension, University Station, Baton Rouge

9969 FOURNET, E. The 4-H Club member learns to can. 27 p. La. Agr. Col. Ext., rev., 1945. 275.2 L93Foc

Maine University, College of Agriculture, Agricultural Extension Service, Orono

9970 DANFORTH, M. P., and BRIWA, K. E. Every day table service. Maine. Agr. Col. Ext. B. 337, 19 p. 1945. 275.29 M281B

9971 CROWTHER, G. W. When you buy a freezing cabinet. Maine. Agr. Col. Ext. B. 338, 14 p. 1945. 275.29 M281B

9972 FOSS, E. W. Buck-rake questions answered. Maine. Agr. Col. Ext. C. 219, 6 p. 1945. 275.29 M281C

Massachusetts State College, Extension Service, Amherst

9973 RABBIT production. Mass. State Col. Ext. Leaflet 225, rev., 8 p. 1945. 275.29 M381L

9974 RESULTS of 4-H tailoring schools for local leaders, Massachusetts, 1941. 19 p., processed. Mass. State Col. Ext., 1945. 275.2 M38Rt

Minnesota University, Department of Agriculture, Division of Agricultural Extension, University Farm, St. Paul

9975 CALDWELL, A. C. Fertilizer trials on corn in Mower County, 1944. Minn. U. Agr. Ext. Soil Ser. 12, 7 p., processed. 1945. 275.29 M66So

9976 ROST, C. O. The importance of soil organic matter. Minn. U. Agr. Ext. Soil Ser. 14, 2 p., processed. 1945. 275.29 M66So

Missouri University, College of Agriculture, Agricultural Extension Service, Columbia

9977 CLARK, M. W., RICKETTS, R. L., and HALL, H. J. All-weather stock tank. Mo. Agr. Col. Ext. C. 523, 14 p. 1945. 275.29 M69C

9978 CUNNINGHAM, C. R. The family vegetable supply. Mo. Agr. Col. Ext. C. 524, 23 p. 1946. 275.29 M69C



- 9979 MARTIN, T. T. Junior leaders in the 4-H Club program, based upon the Central States. Mo. Agr. Col. Ext. Study 2, 44 p. 1945. 275.29 M69Ex
- 9980 ELLIS, E. Proposals for the United Nations Organization. 2 p. Mo. Agr. Col. Ext., 1945. 275.2 M69Pro
- 9981 NANCE, G. B. Beef cattle. 2 p. Mo. Agr. Col. Ext., 1945. 275.2 M69Bc
- Situation and outlook.

Nevada University, College of Agriculture, Agricultural Extension Service, Reno

- 9982 CLINE, L. E. Watch us grow! How fast do turkeys grow? How much feed do they need? Nev. Agr. Col. Ext. Mimeog. B., v. 15, No. 6, 14 p. July 1945. 275.29 N41M

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

- 9983 ROEHL, L. M., and ANDREWS, F. E. Cornell outdoor poultry feeder. N. Y. Agr. Col. Cornell Ext. B. 373, rev., 4 p. 1945. 275.29 N48E
- 9984 ROBINSON, C. B. Simple repairs of upholstered furniture. N. Y. Agr. Col. Cornell Ext. B. 686, 8 p. 1945. 275.29 N48E
- 9985 HART, V. B., and KENDRICK, M. S. Suggestions to New York farmers on making 1945 income-tax returns. N. Y. Agr. Col. Cornell Ext. B. 690, 32 p. 1945. 275.29 N48E
- 9986 THE NEW YORK agricultural outlook, 1946. N. Y. Agr. Col. Cornell Ext. B. 691, 16 p. 1946. 275.29 N48E
- 9987 WILLMAN, H. A. 4-H pig club handbook. N. Y. Agr. Col. Ext. Cornell 4-H Club B. 48, rev., 40 p. 1945. 275.29 N48
- 9988 TIMMEL, G. B., and PALMER, E. L. Window laboratories. N. Y. Agr. Col. Ext. Cornell Rural School Leaflet, v. 39, No. 2, 31 p. 1945. 275.29 N48R
- Nature study.

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

- 9989 SWAIN, V. S. How do you rate with your family? 2 p., processed. N. C. Agr. Col. Ext., 1945. 275.2 N81Ho
- 9990 SWAIN, V. S. Personality score sheet. 3 p., processed. N. C. Agr. Col. Ext., 1945. 275.2 N81Pe

Ohio State University, College of Agriculture, Agricultural Extension Service, Columbus

- 9991 BEARD, R. M., and BEALL, T. Use and care of your pressure canner. 6 p. Ohio. Agr. Col. Ext., rev., 1945. 275.2 Oh32Us

Puerto Rico University, College of Agriculture, Extension Service, Rio Piedras

- 9992 DATOS sobre la siembra de árboles forestales. Puerto Rico Agr. Col. Ext. Mf-6, 4 p., processed. 1945. 275.2 P96D
- 9993 MANUAL de silvicultura: para socios de Clubes 4-H (segundo año). 11 p., processed. Puerto Rico Agr. Col. Ext., 1945. 275.2 P96M

Rhode Island State College, Extension Service, Kingston

- 9994 ANDERSEN, E. M. The 4-H garden. 4 p., processed. R. I. State Col. Ext., 1945. 275.2 R34Fg

South Carolina, Clemson Agricultural College, Extension Service, Clemson

- 9995 SHED type milking barn. S. C. (Clemson) Agr. Col. Ext. Agr. Engin. Leaflet 65, 2 p., processed. 1945. 275.29 So8Ae
- 9996 DESIGN of freezer locker plants and equipment. S. C. (Clemson) Agr. Col. Ext. Agr. Engin. Leaflet 66, 9 p., processed. 1945. 275.29 So8Ae
- Specifications prepared by P. D. Rogers.
- 9997 TURKEY catching coop. S. C. (Clemson) Agr. Col. Ext. Agr. Engin. Leaflet 67, 1 p., processed. 1945. 275.29 So8Ae
- 9998 NETTLES, W. C., and SCHILLETTTER, A. E. Dormant spray controls scale and peach leaf curl. 8 p., processed. S. C. (Clemson) Agr. Col. Ext., 1945. 275.29 C590

South Dakota State College of Agriculture, Extension Service, Brookings

- 9999 VERRY, V. How and why of 4-H Club demonstrations. S. Dak. State Col. Agr. Ext. C. 417, 16 p. 1945. 275.29 So85
- 10000 MCLARON, F. Christmas for '45. S. Dak. State Col. Agr. Ext. C. 418, 11 p. 1945. 275.29 So85
- 10001 WALKER, A. J. Modern home dyeing. S. Dak. State Col. Agr. Ext. C. 420, 7 p. 1945. 275.29 So85

Tennessee University, College of Agriculture, Agricultural Extension Service, Knoxville

- 10002 BOYSENBERRIES and youngberries. Tenn. Agr. Col. Ext. Spec. C. 213, 8 p., processed. 1946. 275.29 T25C

Texas Agricultural and Mechanical College, Agricultural Extension Service, College Station

- 10003 MARTIN, G. Cottage cheese and processed cottage cheese. Tex. Agr. Col. Ext. B. B-141, 12 p. 1945. 275.29 T312
- 10004 MARTIN, G. Neufchatel cheese. Tex. Agr. Col. Ext. C. C-228, 8 p. 1945. 275.29 T312C
- 10005 CAMP, J., JONES, G., and MURRAY, M. Our family's food: how we plan to get it. Tex. Agr. Col. Ext. C. C-230, 16 p. 1945. 275.29 T312C
- 10006 MOORE, S. A., and SHERWOOD, R. M. The Texas turkey growers' guide. Tex. Agr. Col. Ext. C. C-231, 6 p. 1945. 275.29 T312C

Utah State Agricultural College, Extension Service, Logan

- 10007 KNOWLTON, C. F. DDT in insect control, 1946. Utah. State Agr. Col. Ext. M. S.-635, 7 p., processed. 1945. 275.29 Ut1Ms
- 10008 KNOWLTON, G. F., and SORENSON, C. J. Control of cattle grubs [Hypoderma; (heel and bomb flies)] Utah. State Agr. Col. Ext. N. S. 142, 4 p. 1946. 275.29 Ut1

Vermont University, College of Agriculture, Agricultural Extension Service, Burlington

- 10009 SOMMERFELD, E. Your posture and you. Vt. Agr. Col. Ext. Brieflet 725, 13 p., processed. 1945. 275.29 V59E
- 10010 SOMMERFELD, E. Look your best. Vt. Agr. Col. Ext. Brieflet 726, 11 p., processed. 1945. 275.29 V59E
- 10011 BUDGE, P. S. Well planned Sunday dinners and company meals. Vt. Agr. Col. Ext. Brieflet 727, 7 p., processed. 1945. 275.29 V59E
- 10012 BROOKS, C. P. Save your home from fire. Vt. Agr. Col. Ext. Brieflet 728, 13 p., processed. 1945. 275.29 V59E

- 10013 REPORTS of the seventh and eighth meetings of the Vermont Rural Policy Committee, February 19 and 20, 1945, April 23 and 24, 1945. 41 p., processed. Vt. Agr. Col. Ext., 1945. 281.9 V59
- 10014 PUBLIC works and programs for Vermont: a report of the ninth meeting of the Vermont Rural Policy Committee, October 8 and 9, 1945. 44 p., processed. Vt. Agr. Col. Ext., 1945. 281.9 V59

Washington State College, Extension Service, Pullman

- 10015 POND, E., and others. A pattern motion study. Wash. State Col. Ext. B. 328, 8 p. 1945. 275.29 W27P
- E. L. Bramblett, T. Beall, E. Gable, and M. Rokahr, joint authors.
- 10016 NICHOLS, M. B. The artificial insemination of dairy cattle. Wash. State Col. Ext. B. 331, 4 p. 1945. 275.29 W27P
- 10017 POND, E. Planning adequate bathrooms. Wash. State Col. Ext. B. 332, 18 p. 1945. 275.29 W27P

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

- 10018 BOHSTEDT, G., LACEY, J. J., and WINCHESTER, E. Feeding market lambs. Wis. Agr. Col. Ext. Stencil C. 245, 6 p. 1945. 275.29 W75B
- 10019 PORTER, J. J. Reduce losses from mastitis. Wis. Agr. Col. Ext. Stencil C. 246, 6 p. 1946. 275.29 W75B
- Mastitis in cattle.

Wyoming University, College of Agriculture, Agricultural Extension Service, Laramie

- 10020 MORRIS, L. Coccidiosis. 6 p., processed. Wyo. Agr. Col. Ext., 1945. 275.2 W99C6
- In poultry.

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except restricted publications, not included in the foregoing sections, which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

- 10021 ADEBURGHAM, J. F., and HALTON, E. Planning our country. 24 p. London, Assoc. for Ed. in Citizenship, n. d. (Handbooks for Discussion Groups, No. 16) 280.171 A572

Problems include the preservation of the countryside and the maintenance of a contented rural and agricultural population.

- 10022 ASSOCIATION FORESTIÈRE QUÉBÉCOISE, INC. Album-souvenir du Deuxième Congrès Provincial des Clubs 4-H, tenu à Duchesnay du 1er au 4 août, 1944. 30 p. Québec, 1944? 275.2 A57

- 10023 ATWATER, M. M. The shuttle-craft book of American hand-weaving. 281 p. N. Y., Macmillan, 1945. 304 At92

- 10024 AUSTRALIA. DEPT. OF POST-WAR RECONSTRUCTION. The land. 19 p. Canberra, 1945. (Post-war Discussion Notes) 281.1992 Au7

Condensed from four Discussion Group Bulletins. Farming and agricultural problems.

- 10025 BARTON, G. S. H. Canadian agriculture is standing at the crossroads. (Broadcast.) 4 p. Ottawa, Cloutier, 1945. 281.13 B282

- 10026 BASHORE, H. W. Statement...before House Irrigation and Reclamation Committee...April 12, 1945. 11 p., processed. Washington, D. C., 1945. 156.95 St2
- On H. R. 520 giving veterans preference in acquiring irrigated farms on Bureau of Reclamation projects.
- 10027 BOOTH, E. T. God made the country. 330 p. N. Y., Knopf, 1946. Ref., p. 322-330. 281.2 B643

- 10028 BRIZI, A. Economia agraria; sunti raccolti alle lezioni nella Facoltà Agraria de Portici (Napoli) per gli studenti. 306 p. Città di Castello, Macri, 1944. 281.176 B77

- 10029 CALIFORNIA. LEGISLATURE. JOINT FACT-FINDING COMMITTEE ON AGRICULTURAL AND INDUSTRIAL LABOR. Special report. 40 p. Sacramento, 1945. 283 C1298

- 10030 CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA. AGRICULTURAL DEPT. Agricultural imports and exports in relation to American agriculture. 18 p. Washington, D. C., 1945. 286 C354Ag

- 10031 CHAMBRE DE COMMERCE INTERNATIONALE. COMITÉ NATIONAL INDOCHINOIS. The situation of French Indochina. 3 pts. Paris, Tournon, 1945. 280.186 InS
- Pts. 2 and 3 are on economic and social conditions.

- 10032 CHANG, T. A. Kung yeh ho tsou (Agricultural cooperation). 282 p. Chungking, Com. Press, 1944. 280.2 C36

- 10033 CHUNG kuo nung ts'un kung yeh wen t'i (China's rural industries). 46 p. Chungking, 1945. 281.184 C47

- 10034 COMMITTEE FOR ECONOMIC DEVELOPMENT. RESEARCH COMMITTEE. International trade, foreign investment and domestic employment, including Bretton Woods proposals; a statement on national policy. 26 p. N. Y. 1945? 286 C733

- 10035 DRAGONI, G. Le basi economiche dell'agricoltura sovietica. 306 p. Città di Castello, Macri, 1945? (Studi di Economia e Vita Sociale, 1) 281.179 D78

- 10036 GREAT BRITAIN. WEST INDIA ROYAL COMMISSION. Report, 1938-39. 483 p. London, H. M. Stationery Off., 1945. ([Gt. Brit. Parliament. Papers by Command, Cmd. 6607] 280.14 G792R

Includes agriculture and agricultural policy, health services, and land settlement.

- 10037 GREAT BRITAIN. WEST INDIA ROYAL COMMISSION. West India Royal Commission, 1938-39; statement of action taken on the recommendations. 108 p. London, H. M. Stationery Off., 1945. ([Gt. Brit. Parliament. Papers by Command, Cmd. 6656] 280.14 G81

Includes sections on Economic Problems, Agriculture, and Land Settlement.

- 10038 HENIUS, F. Dictionary of foreign trade. 745 p. N. Y., Prentice-Hall, 1946. 286 H382D

- 10039 ILLINOIS POST-WAR PLANNING COMMISSION. Illinois prepares for peace; agenda. 39 p. Chicago, 1944. 280.7 IL63Ip

Includes plans for agriculture and rural life.

- 10040 LAUR, E. Contributions to post-war agriculture and economic policy. I. Statistical data and studies. 65 p. Brugg, Internatl. Confed. of Agr., 1944. 281.9 C769

Includes organization of world trade in cereals and fats and Report by G. P. Boals on the International Wheat Agreement of 1942.

- 10041 LEIGHTON, M. M. Illinois resources; an atlas. 185 p. Chicago, Ill. Post-war Planning Comm., 1944. 280.7 IL631

- 10042 LEVIN, M., and HETTWER, D. T. Cooperatives in the Americas. 26 p., processed. Washington, U. S. Off. of the Coordinator of Inter-Amer. Aff., Labor Relat. Div., 1945. 173.3 In8CP

- 10043 LUMPKINS, W. T. Rural industrial arts. for New Mexico. 28 p., processed. Santa Fe, N. M. Dept. of Ed., 1944. 275 L97



10044 MORGAN, A. E. A business of my own. 160 p. Yellow Springs, Ohio, Community Serv., Inc., 1945. 280.12 M82B

Chapter XVII is Agriculture.

10045 NATIONAL COUNCIL OF FARMER COOPERATIVES. Farmer cooperatives before House Small Business Committee. 6 p., processed. Washington, D. C., 1945. 280.2 N214F

10046 NATIONAL EDUCATION ASSOCIATION OF THE UNITED STATES. COMMITTEE ON TAX EDUCATION AND SCHOOL FINANCE. Extent of schooling of the rural-farm population and the urban population. 16 p. Washington, D. C., 1944. 275 N2115

10047 NATIONAL EDUCATION ASSOCIATION OF THE UNITED STATES. DEPT. OF RURAL EDUCATION. COMMISSION ON RURAL EDUCATION AND THE WAR. Rural schools for tomorrow. 152 p. Washington, D. C., 1945. (Nat'l. Ed. Assoc. of the U. S. Dept. of Rural Ed. Ybk., 1945) 275 N2111Ru

10048 NORDMARK, J. L., and MAYKO, R. W. Preliminary report on opportunities for settlement, land development and conservation, Skagit County. 22 p., processed. Olympia? Wash., 1944? 282.091 N75

10049 ORWIN, C. S. Problems of the countryside. 111 p. Cambridge, Eng., U. Press, 1945. (Current Prob., 26) 281.171 Or9P

Farms and farming, the village, local government, and rural life in Britain.

10050 OVERSEAS reference book of the Union of South Africa, including South-west Africa, Beaufortland, Bechuanaland Protectorate and Swaziland. 567 p. London, Todd, 1945. 270 S0850v

Partial contents: Social welfare [including agricultural education], by L. Silberman, p. 116-121; Background of agricultural production, by D. G. Haylett, p. 272-322; The South African market, by F. Gill, p. 333-360; Reconstruction schemes, p. 361-370; and Population and migration, p. 405-416.

10051 THE PROGRESSIVE FARMER. More jobs, higher prices, better marketing, lower production costs, improved living standards through new rural industries that fit your community. 15 p. Birmingham, Ala., 1945? 281.002 F942

10052 ROLDÁN ALVARADO, R. Del Instituto de Economía Agrícola. 93 p. Santiago, Chile, Dirección General de Prisiones, 1944. 281.9 In7

10053 SAMUEL, E. Handbook of the Jewish communal villages in Palestine. Ed. 2, 92 p. Jerusalem, Zionist Organ. Youth Dept., 1945? 282.2 Sa42

10054 SMITH, R. C. The church in our town; a study of the relationship between the church and the rural community. 190 p. N. Y., Abingdon-Cokesbury Press, 1945. Ref., p. 185-188. 281.2 Sm62

10055 U. S. CONGRESS. HOUSE. COMMITTEE ON WORLD WAR VETERANS' LEGISLATION. World War Veterans' legislation. Hearings...79th Cong., 1st sess. on H. R. 3749 and related bills...June 19, 20, 21, 28, July 5, 1945. 272 p. Washington, 1945.

Includes farm loans.

10056 U. S. CONGRESS. SENATE. COMMITTEE ON EDUCATION AND LABOR. United States Employment Service. Hearings...79th Cong., 1st sess. on S. 1456... and S. 1510...Nov. 13, 15, and 16, 1945. 83 p. Washington, 1946.

Contains a letter from Secretary Anderson on the situation with regard to farm labor.

10057 U. S. CONGRESS. SENATE. COMMITTEE ON FINANCE. Amendments to the Servicemen's Readjustment Act of 1944. Hearings...79th Cong., 1st sess. on H. R. 3749...Oct. 8, 9, 10, 11, and 12, 1945. 371 p. Washington, 1945.

Section on loans for purchase of farms and farm equipment. Letter from Secretary Anderson, and statement of F. R. Merrifield of Farm Credit Administration.

10058 VIRGINIA. UNIVERSITY. BUREAU OF POPULATION AND ECONOMIC RESEARCH. Virginia's economic pattern; a series of maps of selected economic characteristics by counties. 27 p. Charlottesville, 1945. 280.089 V814

Includes labor, production, land values, and size of farms.

10059 WIETING, C. M. Radio's role in building better rural life. 3 p., processed. Washington, D. C., Nat'l. Council of Farmer Coops., 1945.

335 W63

#### AGRICULTURAL ENGINEERING

10060 ASPHALT roofing on the farm; a practical handbook on how to meet wartime housing problems on the farm with serviceable asphalt roofing products. 31 p. St. Paul, 194-? 296 As6

Sponsored by the Public Relations Committee, representing 25 manufacturers of the asphalt roofing industry.

10061 AUSTRALIA. TARIFF BOARD. Tariff Board's report on bounty on tractors, 15th September, 1944. 12 p. Canberra, Johnston, 1944. (No. 6 [Group A]) 58 Au7T

10062 CULPIN, C. Farm machinery. Ed. 2, rev., 516 p. London, Lockwood, 1945. (Lockwood's Agr. and Hort. Handbooks) 58 C89

10063 HAMILTON, C. L. Is your electric fence safe? 4 p. Chicago, Nat'l. Safety Council, 1945. 335 N2192

10064 U. S. CONGRESS. HOUSE. COMMITTEE ON INTER-STATE AND FOREIGN COMMERCE. Rural electrification planning. Hearings...79th Cong., 1st sess. on H. R. 1742...June 13, 14, 15; Oct. 16, 17, 18, 19, 30, and Nov. 2, 1945. 530 p. Washington, 1946.

Statements by C. R. Wickard, and report of Department of Agriculture on the bill H. R. 1742.

10065 WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY. PUBLIC RELATIONS DEPT. Better farm and home methods guide book. 44 p. Pittsburgh, 1945. 335 W525

10066 WEYERHAEUSER SALES COMPANY. Modern farm buildings and equipment. St. Paul? 194-? 296 W542M

Unnumbered pages in loose-leaf binder.

#### AGRICULTURAL PRODUCTS; PROCESSING, DISTRIBUTION, AND STATISTICS

10067 AMERICAN DRY MILK INSTITUTE, INC., CHICAGO. Dry dairy products; production trends, government purchases, etc. 15 p. Chicago, 1945. 281.344 Am32D

10068 ASSOCIATION OF AMERICAN RAILROADS. RAILROAD COMMITTEE FOR THE STUDY OF TRANSPORTATION. SUB-COMMITTEE FOR ECONOMIC STUDY. Raw cotton and cotton linters. 100 p. Washington, D. C., 1944. 281.372 As7

10069 AUSTRALIA. RATIONING COMMISSION. Rationing in Australia; a review of the work, June 1942-Dec. 1944. 32 p. Melbourne, Govt. Printer, 1944. 280.9 Au722

10070 BOUÇAS, V. F. O café. 63 p. Rio de Janeiro, Companhia Brasileira de Artes Gráficas, 1945. 68.2 B662

10071 BRAZIL. INSTITUTO NACIONAL DO MATE. Contribuição ao estudo do mate; trabalhos apresentados ao Segundo Congresso Nacional da Associação Química do Brasil. 212 p. Rio de Janeiro, Imprensa Nacional, 1944. 77 C76

10072 BRITTON, L. H. "Aviation's place in agricultural economy." 13 p. Washington, D. C.? 1945. 289.5 B77

10073 BRITTON, L. H. "Shipping agricultural products by air." 7 p. Washington, D. C., 1945. 289.5 B77S

- 10074 CALIFORNIA GRAPE GROWERS AND SHIPPERS ASSOCIATION. By-laws as amended, May 19, 1945. 4 p. Fresno, 1945. 281.3959 C12
- 10075 CANADA. BUREAU OF STATISTICS. PRICE BRANCH. Price index numbers of commodities and services used by farmers. 21 p., processed. Ottawa, 1944. 284.39 C161  
Have also quarterly issues for January and April 1945.  
Includes farm family cost-of-living index numbers, 1922-1944.
- 10076 CLAY, J., AND COMPANY (LIVE STOCK COMMISSION). The future cattle market as we see it. 4 p. Denver, 1945. 280.340 C57
- 10077 DAIRY INDUSTRY COMMITTEE. The Dairy Industry Committee. 7 p. Washington, D. C., 1945. 281.3449 D142
- 10078 DAVIS, J. S. Wheat under international agreement. 19 p. N. Y., American Enterprise Assoc., 1945? (Nat'l. Econ. Prob., No. 410) 286.359 D292
- 10079 ECKLES, W. C., and MASON, J. P. St. Louis milk production, sales and price trends. 8 p. St. Louis, Mo., Fed. Milk Market Adminr. Off., St. Louis Mktg. Area, 1945? 281.344 Sa2S
- 10080 FALLS CITIES COOPERATIVE MILK PRODUCERS' ASSOCIATION, INC. Your association. 16 p. Louisville, Ky., 1945? 280.2449 F19
- 10081 GROCERY MANUFACTURERS OF AMERICA, INC. The inside story. 24 p. N. Y.? Grocery Mfrs. Inform. Council, 1945? 280.3 G89  
A program for descriptive labeling.
- 10082 GUÉRAULT, A. M. L'industrie laitière, organisation et gestion des entreprises. Ed. 1, 160 p. Paris, Consortium d'Édition et de Publicité, 1944. (Collection de l'Interprofession Laitière) 286.85 G93
- 10083 HAMILTON, T. K. Streamlined milk delivery service, an economic necessity. 8-p. folder. N. Y., Milk Indus. Found., 1945? 280.344 H18
- 10084 JEPSEN, A. Veterinær mælkekontrol. I. Laboratoriarbejdet, Veterinary milk control. I. Laboratory work, 343 p. København, A/S C. F. Mortensen, 1944. 44 J46
- 10085 JONES, O. Modern methods of food preservation. 30 p. London, Roy. Inst. Chem. Gt. Brit. and Ireland, 1945. (Streetfield Mem. Lecture, 27) 389.3 J92M  
Cold storage, quick freezing, and dehydration.
- 10086 MAIER, C. E. Report on "A survey of the practices of the German can industry during the Second World War"...on behalf of the United States Technical Industrial Intelligence Sub-committee. 487 p., typewritten. Washington? 1945. 173.3 T22R
- 10087 MISSOURI. STATE COMMISSION OF RESOURCES AND DEVELOPMENT. Corn. 7 p. Jefferson City, 1945? 59.22 M69  
Corn production in Missouri.
- 10088 NATIONAL COTTON COUNCIL OF AMERICA. Cotton and cotton materials consumed in laundries, 1939-1942. 7 p. n. p., 1944. 281.372 N212Cot
- 10088 NATIONAL COTTON COUNCIL OF AMERICA. Cotton consumption, the key to volume of production, the key to price, the key to your income in postwar years. 31 p. n. p., 1945? 281.372 N212Co
- 10089 NATIONAL COTTON COUNCIL OF AMERICA. Organization and functions of the National Cotton Council of America. 25 p., processed. Memphis? 1944. 281.3729 N212or
- 10091 NATIONAL COTTON COUNCIL OF AMERICA. INFORMATION SERVICE. Charts showing major trends in the production, consumption, and prices of cotton and competitive products. 14 p. Memphis, 1945. 72 N216
- 10092 PAVLOV, N. T. Ispol'zovanie ugarov v khlopkopriidenii [Utilization of wastes in cotton spinning], 32 p. Moskva, Gizlegprom, 1945. (Bib-liotekha Tekstil'shchika) 304 P28
- 10093 PRODUCERS LIVESTOCK COOPERATIVE ASSOCIATION. Ours - for better service. 24 p. n. p., n. d. 280.2409 P94  
Data chiefly for 1943.
- 10094 ROGERS, J. L. Modern methods of food preparation. 19 p. Belfast, Belfast Assoc. of Engin., 1942. 389.3 R632  
Canning and preserving.
- 10095 SUGAR RESEARCH FOUNDATION, INC., NEW YORK. Some facts about the Sugar Research Foundation, Inc. and its prize award program. 48 p. N. Y., 1945. 65.9 Su34S
- 10096 UNION PACIFIC RAILROAD. DEPT. OF TRAFFIC. AGRICULTURAL DEVELOPMENT. Potato storage. Rev., 31 p. Omaha, 1945. 280.375 Ua3
- 10097 U. S. CONGRESS. SENATE. SPECIAL COMMITTEE TO INVESTIGATE THE PRODUCTION, TRANSPORTATION, AND MARKETING OF WOOL. Investigation of the production, transportation, and marketing of wool. Hearings... 78th Cong., 1st sess. pursuant to S. Res. 160 (74th Cong.), S. Res. 278 (75th Cong.), and S. Res. 12 (78th Cong.)...Pt. 5, July 9, 1943, p. 871-907. Washington, 1945.
- 10098 U. S. RUBBER RESERVE COMPANY. Report on the rubber program, 1940-1945. 87 p. Washington, 1945. 173.3 R822
- 10099 VOLKART BROS. Cotton, 1930-1945. 47 p. N. Y., 1945. 284.372 V78  
Production, consumption, and prices.
- 10100 WALLACE, H. A. The interdependence between industrial wages and farm prices. 2 p., processed. Washington, D. C., Cong. of Indus. Organ., 1945. 1.9 Ag8636
- 10101 WELSH, J. L., and CHRISTENSEN, L. M. Industrial alcohol as a solution to the farm problem. 24 p. Omaha, Farm Crops Proc. Corp., 1945? 390.1 F22

## ANIMAL INDUSTRY

- 10102 AMERICAN AGRICULTURAL CHEMICAL COMPANY. Better home-grown roughage means more money from milk. 77 p. North Weymouth, Mass., 1945. 44 Am323  
Dairy farm management.
- 10103 GIBSON, MRS. L. L. Diet for brood matron; conditioning and controlling size of pups during gestation. 12 p. Burbank, Calif., The Author, 1945. 389.7 G35
- 10104 LATTIG, H. E., and NORDBY, J. E. Selecting, fitting and showing dairy cattle. Ed. 4, 116 p. Danville, Ill., The Interstate, 1945. (Series on Selecting, Fitting and Showing Livestock and Poultry, No. 1) 43 L35
- 10105 LONDONO, E. A. Cartilla de avicultura. Ed. 2, 58 p. Bogota, Ministerio de la Economía Nacional, 1944. 47 L84
- 10106 LUSH, J. L. Animal breeding plans. Ed. 3, 443 p. Ames, Iowa State Col. Press, 1945. 40 L972  
References at end of most chapters.
- 10107 RANZI, S. Corso di zoologia generale per gli studenti di agraria e medicina veterinaria. Anno accademico 1944-45. 227 p., processed. Milano, Università, 1944? 411 R17  
Contains appendix, Cenni sulla Genetica dei Principali Animali Domestici, by S. Ranzi and G. Barigozzi.
- 10108 ROOKS, C. F. Light horses. 159 p. Chicago, Ziff-Davis, 1946. 42 R67  
Glossary, p. 149-152.



10109 UNDERWOOD, T. R., ed. Thoroughbred racing & breeding; the story of the sport and background of the horse industry. 245 p. N. Y., Coward-McCann, 1945. 42 Ur22

Partial contents: The breeding background, by J. A. Estes, p. 30-43; The horse farms, by F. A. Furner, T. R. Underwood, and M. Finney, p. 44-58; Training the horse, by J. H. Palmer, p. 70-85.

## ENTOMOLOGY

10110 AMERICAN MOSQUITO CONTROL ASSOCIATION. By-laws. 2 p., processed. n. p., 1945. 428 Am33

10111 CLÉMENT, P. Le charançon du bananier, *Cosmopolites sordidus* (banana weevil borer). 15 p. Paris, Institut des Fruits et Agrumes Coloniaux, 1944. 427 C592

10112 GNADINGER, C. B. Pyrethrum flowers. Supplement to second edition, 1936-1945. 381-690 p. Minneapolis, McLaughlin Gormley King, 1945. 423 G532

10113 GOUGH, H. C. A review of the literature on soil insecticides. 161 p. London, Imp. Inst. of Ent., 1945. 42.3 G72

10114 GRANDORI, R. Lezioni di entomologia agraria. 2 v. Milano, Istituto Editoriale "Cisalpino," 1945. 423 G763

10115 IMPERIAL INSTITUTE OF ENTOMOLOGY, LONDON. PARASITE SERVICE. A catalogue of the parasites and predators of insect pests, prepared under the direction of W. R. Thompson. Sect. 1, pt. 6, p. 131-258, processed. Belleville, Ont., 1945. 423 Im7  
Parasite host catalogue: Parasites of the Lepidoptera. (CI-F)

10116 MANUFACTURING CHEMISTS' ASSOCIATION OF THE UNITED STATES. DDT COMMITTEE. Definition of terms for DDT, adopted... July 10, 1945. 1 p., processed. n. p., 1945. 387.1 M312

10117 PYENSON, L. Pest control in the home garden. Reissued with additional material. 198 p. N. Y., Macmillan, 1945. 423 P99

10118 SOLOMON, M. E. Tyroglyphid mites (Acaridae), in stored products. 1. A survey of published information. Supplement, 1944. 7 p. London, Great Britain. Dept. of Sci. and Indus. Res., 1944. 434 G792

## FOOD AND HUMAN NUTRITION

10119 BACHARACH, A. L. Science and nutrition. Ed. 2, rev., 142 p. London, Watts, 1945. 389.1 B12

10120 CALLOW, A. B. Cooking and nutritive value. 156 p. Oxford, Clarendon Press, 1945. Ref. 389.1 C13C

10121 DUNLAP, F. L. White versus brown flour. 272 p. Newark? N. J., Wallace & Tiernan, 1945. Ref. 389.1 D922

10122 LEWIS, M. Noon lunches for school children. 4 p., processed. n. p., 1944? 389.1 L582

10123 SILVER, F. Junior foods and nutrition. 234 p. N. Y., Appleton, 1945. Ref. 389.2 S13

10124 SPERRY, T. A. Good food; a tentative program for learning experience in foods in the elementary school, grades I--VI. 40 p. Everett? Wash., 1944. 389.1 Sp32

Nutrition project of the Washington State Nutrition Council, financed by the War Food Administration.

10125 SWEENEY, M. E., and BRECKENRIDGE, M. E. How to feed children in nursery schools, with suggestions for planning meals wherever two-to-five-year-olds eat together. 47 v. Detroit, Merrill-Palmer School, 1945. 389.1 M55H

## FORESTRY

10126 ACOSTA SOLÍS, M. La tagua [*Phytelphas*]. 37 p. Quito, Ecuador, 1944. 99.35 Ac7

10127 AMERICAN FOREST PRODUCTS INDUSTRIES. Making more markets for wood through research. 32 p. Washington, D. C., 1945. 99.75 Am32M

10128 BRAZILIAN GOVERNMENT TRADE BUREAU. Timber in Brazil. 25 p. N. Y., 1945. 99.76 B733  
Includes descriptions and properties of Brazilian woods, statistical material, and list of exporters of timber, lumber, and plywood.

10129 CALVIN, D. D. A saga of the St. Lawrence; timber & shipping through three generations. 176 p. Toronto, Ryerson, 1945. 99.76 C13

10130 DENNIS, D. A. Wood pulp statistics. [1945 ed.] 189 p. N. Y., U. S. Pulp Prod. Assoc., 1945. 302.9 Un32U

10131 FONTANA Y MENENDEZ, E. Reglas generales para el establecimiento de la ordenación en los bosques altos tropicales, "Tropófilos y ombrófilos pluviales." 61 p. Caracas, Crisol, 1945. (Conferencia Interamericana de Agricultura. 3, Caracas, 1945. Comité Organizador. Cuadernos Verdes, No. 33) 99.65 F73

10132 GONZÁLEZ VALE, M. A. Estudio forestal sobre los llanos occidentales de Venezuela. 97 p. Caracas, Crisol, 1945. (Conferencia Interamericana de Agricultura. 3, Caracas, 1945. Comité Organizador. Cuadernos Verdes, No. 10) 99.65 G58

10133 HELGUERA, G., and LOPEZ, E. D. Arboles forestales y ornamentales. 31 p. Montevideo, Ministerio de Ganadería y Agricultura. Junta Honoraria Forestal, 1945. 99.45 Ur8

10134 INTERNATIONALER forstwirtschaftskatalog, lfg. 1, 12 p. Neudamm, Reichsinstitut für Ausländische und Koloniale Forstwirtschaft, 1944. 99.8 In8

10135 KANNEBERG, A. Log driving and the rafting of lumber in Wisconsin. A survey... Statutory provisions and the common law of Wisconsin pertaining to the use of navigable water for log driving and the rafting of lumber. 113 p., processed. Madison, Pub. Serv. Comn. of Wis., 1944? 99.76 W75

10136 NATIONAL LUMBER MANUFACTURERS ASSOCIATION. STATISTICAL DIVISION. Statistical summary of lumber production, lumber shipments, new orders, unfilled orders, gross mill stocks, 1929-1944. 13 p., processed. Washington, D. C., 1945. 99.76 N215St

10137 SOUTHERN PINE ASSOCIATION. Meeting the problems of the southern pine industry. 32 p. New Orleans? 1945. 99.76 So82Me

Partial contents: The value of a strong trade association, by S. P. Deas, p. 5-8; Forestry comes into its own, by W. C. Hammerle, p. 9-12; Trade promotion, a necessary part of your business, by W. H. O'Brien, p. 18-23; SPA statistics - pillars of strength, by C. A. Bauer, p. 24-26; Reasonable freight rates - a necessity for the successful conduct of business, by A. G. T. Moore, p. 27-30.

10138 SOUTHERN PINE ASSOCIATION. Or else--outline of problems facing southern pine industry. 20 p. New Orleans, 1944. 99.76 So82Or

10139 STERN, T. Community forests and parks in Pennsylvania. 28 p. Philadelphia [Col. Offset Press], 1945. 99.61 St4  
Essential portion of thesis (Ph. D.) - University of Pennsylvania, 1942.

10140 TIMBER DEVELOPMENT ASSOCIATION, LTD. Home-grown timber trees; their characteristics, cultivation and uses, with notes on town planting. Ed. 3, 16 p. London, 1944. 99.47 T48  
Prepared by E. H. B. Boulton and B. A. Jay.

10141 TITUS, H. Timber and game, twin crops. 32 p. Washington, D. C., Amer. Forest Prod. Indus., 1945? 99.55 T53

10142 WAHLENBERG, W. G. Longleaf pine; its use, ecology, regeneration, protection, growth, and management. 429 p. Washington, D. C., Charles Lathrop Pack Forestry Found., 1946. Ref., p. 324-358. 99.35 W12  
U. S. Forest Service cooperating.

## PLANT SCIENCE

10143 AMERICAN GARDEN GUILD, INC. What to do each month in the garden; a year-round calendar for home gardeners. 92 p. N. Y., 1945. 90.04 Am3

10144 BLAIR, D. S., and others. Le greffage des arbres fruitiers. folder. Ottawa, Canada, Expt. Farms, 1944. 93.5 C16

A. Kellett, W. L. Kerr, and M. B. Davis, joint authors.

10145 CALZADA BENZA, J. Resultados de la experimentación sobre el cultivo de la papa. 83 p. Lima, Peru, Dirección General de Agricultura, 1944. Ref. 75 C132

10146 CONNELLY, F. C. The lazy gardener; some advice to those who have too little time for the job. 78 p. London, Faber, 1945. 91.15 C76

10147 EDEL'SHEIN, V. I. Ovoshchevodstvo [Vegetable gardening]. 374 p. Moskva, "Sel'khozgiz," 1944. 91 Ed2

10148 EL VALLE, D. F., VENEZUELA. INSTITUTO EXPERIMENTAL DE AGRICULTURA. Investigaciones, 1945. 168 p. Caracas, Tipografía Garrido, 1945. 102.5 EL8

Includes genetic studies of sesame, corn, potatoes, and rice.

10149 FITCH, W. H. Illustrations of the British flora: a series of wood engravings, with dissections, of British plants; forming an illustrated companion to Bentham's Handbook of the British flora and other floras. Ed. 5, rev., 338 p. Ashford, Kent, Reeve, 1944. 458 F55

10150 GOAR, L. G. A message to the flax growers of Imperial Valley. 2 p. n. p., Southwest Flaxseed Assoc., 1945. 73.1 G53

10151 GODTSENHOVEN, E. VAN, and SLAATS, W. Zaadonderzoek. II. Platen. Gent, Standaard-Boekhandel, 1945. (Reeks Phytotechnie) 61 G54

10152 GRAM, E., and BOVIEN, P. Rodfrugternes sygdomme og skadedyr [Diseases and pests of root crops]. Ed. 2, 125 p. København, Danske Forlag, 1944. 464.84 G76R

10153 HAO, K. S. Chung kuo wu pen chih wu shu chih (The genera of Chinese woody plants). v. 1. 244 p. Chungking, 1945. 460.14 H193  
In Chinese.

10154 HARRAR, E. S., and HARRAR, J. G. Guide to southern trees. 712 p. N. Y., McGraw-Hill, 1946. (Whittlesey House Field Guide Ser.) 455.5 H23

10155 FIRSCHFELD, E. Queensland pastures, their development and improvement. 20 p. Brisbane, Tucker, 1945. 60.1 H61

10156 LUTON, ENG. PUBLIC MUSEUM. Wild flowers in Bedfordshire. 15 p. Luton, Gibbs, 1945? 458 L97

10157 MCKENNA, G. T. Allotmentteering in wartime. 95 p. London, Gifford, 1944. 91.15 M19

10158 MAKSIMOVA, A. IA., and GEVORKYANTS, S. A. Agrotehnika maslichnykh kul'tur [Agricultural technique of oleaginous plants]. 207 p. Moskva, Vsesoyuznyy Nauchno-issledovatel'skiy Institut Maslichnykh Kul'tur, 1944. 77 M282A

10159 MIEHE, H. Miehes Taschenbuch der botanik. Pt. 2, Systematik, ed. 8, 129 p. Leipzig, Thieme, 1944. 463 M58

10160 MINKEVICH, I. A. Vozdelyvanie maslichnykh kul'tur na Kubani [Raising crops for oil in the Kuban region]. 94 p. Krasnodar, Vsesoyuznyy Nauchno-issledovatel'skiy Institut Maslichnykh Kul'tur, 1944. 77 K86

10161 OKLAHOMA. STATE VICTORY GARDEN PLANNING COMMITTEE. Oklahoma victory gardens, 1945. 4 p. n. p., 1945? 91.15 Ok4

10162 PANTANELLI, E. Agronomia generale; appunti del corso di lezioni tenute nell'anno accademico 1941/42. 322 p. Castello, R. Università di Bari, Facoltà di Agraria, 1945. 30.2 P19

10163 P'ING kuo tsai p'ei fa (Apple cultivation). 32 p. Chengtu, 1945. 93.31 P65

10164 RAYNOR, R. M. Chemical weeding of carrots with stove oil sprays. Rev., 4 p. Davis, Calif. U. Col. of Agr. Div. of Botany, 1944. 79 C12

10165 ROYAL HORTICULTURAL SOCIETY, LONDON. A select list of hardy fruits for private gardens. Rev., 7 p. London, 1944. 93.24 R815

10166 SHEWELL-COOPER, W. E. Continuous tomato growing; growing tomatoes under continuous cloches. 48 p. Chertsey, Intensive Gardening Press, 1945. 91.58 Sh5

10167 SUNNY RIDGE NURSERY. Nut trees for cold climates. 24 p. Swarthmore, Pa., 194-? 94.6 Su7

10168 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Investigation of diseases affecting sugar production. Hearings...79th Cong., 1st sess...Oct. 29 and 31, 1945. Serial F, 58 p. Washington, 1945.

10169 VIVAS BERTHIER, G. El algodón; estudio económico de un cultivo. 63 p. Caracas, Tamanaco, 1945. 72 V83  
Cultural aspects.

## SOILS AND FERTILIZERS

10170 AUBERT, G. Les sols des régions tropicales de la France d'outre-mer; leur nature, leur conservation, leur prospection, leur étude. 11 p. Paris, Confédération Nationale de la Production Agricole et Forestière dans les Territoires d'Outre-mer. Commission des Sols, 1944. 56.27 F76

10171 BEAR, F. E., and KITCHEN, H. B., eds. Minor elements; evidence and concepts on functions, deficiencies, and excesses. 189 p. Baltimore, Williams and Wilkins, 1945. 395 B38  
Collection of articles reprinted from Soil Science, v. 60, July and August 1945.

10172 CALIFORNIA. STATE CHAMBER OF COMMERCE. Water policy [for California]. 11 p., processed. n. p., 1945. 292 C1234

10173 FENTON SOIL CONSERVATION DISTRICT, MICHIGAN. The conservation job ahead...your job, my job, our job. 116 p. Fenton, Mich., 1945. 56.7 F36

10174 HALL, SIR A. F. The soil; an introduction to the scientific study of the growth of crops. New and rev. ed. by G. W. Robinson, 322 p. London, Murray, 1945? 56 H14S

10175 INTERNATIONAL HARVESTER COMPANY. A profitable new method for feeding crops. Folder. Chicago? 1944? 57.07 In8  
Fertilizer application for quicker starting.

10176 ROZANOV, A. N., and LAZAREV, A. A. Pochvennye usloviya polivnykh rayonov sverkhoselaniya Srednei Azii [Soil conditions of the irrigated regions for sugar beet planting in Central Asia]. 74 p. Moskva, Akademiya Nauk SSSR, 1945. 56.26 R81

10177 TAMÉS ALARCÓN, C. Métodos físicos y químicos de laboratorio, para el estudio de los suelos y de las tierras de cultivo. 439 p. Madrid, Instituto Nacional de Investigaciones Agronómicas, Estación de Química Agrícola, 1945. 56.4 Spl

10178 U. S. GEOLOGICAL SURVEY. Oklahoma water. Prepared for Oklahoma Planning and Resources Board by United States Geological Survey, Water Resources Branch, 1945. 145 p. Oklahoma City, Okla. Planning and Resources Bd., 1945. 292 Un3980k



10179 U. S. GEOLOGICAL SURVEY. Water facts for Oklahoma. 35 p. Oklahoma City, Okla. Planning and Resources Bd., 1945. 292 Un398W

10180 VILENSKIĬ, D. G. Russkaja pochvenno-kartograficheskaia shkola i ee vliianie na razvitie mirovoi kartografii pochv [Russian soil mapping school; its influence on the development of world cartography of soils]. 140 p. Moskva, Akademiia Nauk SSSR, 1945. 56 V712

#### MISCELLANEOUS

10181 ANSON, M. L., and EDSALL, J. T., eds. Advances in protein chemistry. Vol. II. 443 p. N. Y., Academic Press, 1945. Ref. 386.2 An8  
Contents: Analytical chemistry of proteins, by A. J. P. Martin and R. L. M. Synge, p. 1-83; The microbiological assay of amino acids, by E. W. Snell, p. 85-118; The amino acid composition of food proteins, by R. J. Block, p. 119-134; The relationship of protein metabolism of antibody production and resistance to infection, by P. R. Cannon, p. 135-154; Terminal amino acids in peptides and proteins, by S. W. Fox, p. 155-177; The copper proteins, by C. R. Dawson and M. F. Mallette, p. 179-248; Mucoids and glyco-proteins, by K. Meyer, p. 249-275; The reactions of formaldehyde with amino acids and proteins, by D. French and J. T. Edsall, p. 277-335; Wheat gluten, by M. J. Blish, p. 337-359; Protein denaturation and the properties of protein groups, by M. L. Anson, p. 361-386; X-ray diffraction and protein structure, p. 387-405.

10182 ARKANSAS. AGRICULTURAL AND INDUSTRIAL COMMISSION. Arkansas, facts for the engineer. 22 p. Little Rock, 1944? 280.009 Ar45  
Includes soil types, agriculture, forestry, livestock and poultry statistics, and cotton production.

10183 CLARK, W. H. Farms and farmers; the story of American agriculture. 346 p. Boston, Page, 1945. (The Amer. Cavalcade Ser.) 30.9 C542

10184 FENSKE, T. H., DRAKE, R. M., and EDSON, A. W. Arithmetic in agriculture. 243 p. Saint Paul, Webb Pub. Co., 1945. 325 F36  
A. M. Field, general editor.

10185 FUNKHOUSER, W. D. The days that are gone; some comments on extravagance. 113 p. Lexington, Ky., Com. Print. Co., 1945. 279.12 F96  
Waste of natural resources.

10186 GIANFERRARI, L. Corso di biologia e zoologia generale. Parte IV. Parassitologia a cura della dott. L. Battisti, con una appendice sugli "artropodi parassiti" a cura dello stud. G. C. Maggi. 195 p., processed. Milano, Università. Istituto di Biologia e Zoologia Generale, 194-? 442 G34

10187 GIFFORD, J. C. Living by the land; conservation, with special reference to proper use of the land. Florida, the southern United States and the Caribbean region: a discussion of the conservation and farming methods best suited to their particular needs. 139 p. Coral Gables, Fla., Glade House, 1945. 279.017 G36

10188 JEWISH AGENCY FOR PALESTINE. ECONOMIC RESEARCH INSTITUTE. Statistical handbook of Middle Eastern countries: Palestine, Cyprus, Egypt, Iraq, The Lebanon, Syria, Transjordan, Turkey. Ed. 2, 183 p. Jerusalem, Aaronson, 1945. 269.8 J54

10189 PASTORE, R. Chimica agraria. v. 1, 332 p., processed. Torino, Giorgio, 1944. (Biblioteca Tecnica e Scientifica. 215) 395 P262

10190 PORTLAND, OREG. CHAMBER OF COMMERCE. AGRICULTURAL COMMITTEE. Farming in Oregon. 66 p. Portland, 1945. 31.3 P83  
Contains statistics of production.

10191 THORP, W. H., and CLARK, N. M. Pardner of the wind. 309 p. Caldwell, Idaho, Caxton Printers, 1945. 138 T39  
Story of the southwestern cowboy.

10192 UNITED NATIONS INFORMATION OFFICE, NEW YORK. Towards a world of plenty; the story of the Food and Agriculture Organization of the United Nations. 24 p. N. Y., 1945? 389.9 F735T

10193 UNITED NATIONS INTERIM COMMISSION ON FOOD AND AGRICULTURE. Second report. 3 p. Washington, D. C., 1945. 389.9 In87R

Outlines the functions of the Food and Agriculture Organization of the United Nations and recommends that the International Institute of Agriculture be merged with it.

10194 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. First Deficiency Appropriation Bill for 1946. Hearings...79th Cong., 1st sess., Pt. 1, 893 p. Washington, 1945.

Includes Department of Agriculture, with Commodity Credit Corporation, and farm labor supply program.

10195 U. S. CONGRESS. SENATE. COMMITTEE ON MILITARY AFFAIRS. Hearings on science legislation (S. 1297 and related bills). Hearings...79th Cong., 1st sess. pursuant to S. Res. 107 (78th Cong.) and S. Res. 146 (79th Cong.) authorizing a study of the possibilities of better mobilizing the national resources of the United States. Pt. 3, Oct. 22, 23, 24, 25, and 26, 1945, p. 457-736. Washington, 1945.

Statement by P. V. Cardon, Administrator, Agricultural Research Administration, U. S. Dept. of Agriculture.

10196 VIL'JAMS, V. R. Osnovy zemledel'ia, fundamentalnye of agriculture. Ed. 3, 189 p. Moskva, "Sel'khozgiz," 1945. 33.31 V71

## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 10197 ARBER, A. Sir Joseph Banks and botany. Chron. Bot. 9: 94-106. Autumn 1945. 450 C46
- 10198 ARNOLD, C. A. Directions for collecting fossil plants. Mich. U. Dept. Bot. Instr. Nat. Armed Forces Bot. Field Work, No. 10, 20 p., processed. Ann Arbor, 1945. 451 M5814
- 10199 ATWOOD, A. C. Scientific publications and the indexer. Chron. Bot. 9: 144-147. Autumn 1945. 450 C46
- 10200 BARTLETT, H. H., and WALKER, E. H. A program of botanical collecting and study for servicemen. Chron. Bot. 9: 135-137. Autumn 1945. 450 C46
- 10201 BECK, G. F. Tertiary coniferous woods of western North America. Northwest Sci. 19: 89-102. (Cont.) Nov. 1945. 470 N21
- 10202 BELL, W. A. Carboniferous rocks and fossil floras of northern Nova Scotia. Canada. Geol. Survey Mem. 238, 276 p. Ottawa, 1944. 408 C16Me
- 10203 BRUMAN, H. J. Early coconut culture in western Mexico. Hispanic Amer. Hist. Rev. 22: 212-220. May 1945. 134.8 H62
- 10204 CAIN, S. A. The place of pollen analysis in paleo-ecology. Chron. Bot. 9: 106-114. Autumn 1945. 450 C46
- 10205 CAMPO-DUPLAN, M. VAN. Observations sur une analyse de pollen atmosphérique. Paris. Acad. des Sci. Compt. Rend. 220: 856-858. June 1945. 505 P21
- Tests made with pollen from various trees in the Bois de Boulogne.
- 10206 CANTINO, E. C., and HATFIELD, E. D. Semi-continuous tap-water aerator. Science 103: 75-76. Jan. 18, 1946. 470 Sc12
- Water-culture method for growing plants.
- 10207 CARTER, G. F. The role of plants in geography. Geog. Rev. 36: 120-131. Jan. 1946. 500 Am35G
- 10208 CASEY, J. "Tornillo" or screw bean (*Strombocarpus odorata*). Nat. Hist. 55: 4. Jan. 1946. 500 N483J
- 10209 CORE, E. L. On the need for revision of the International Code of Botanical Nomenclature. Castanea 10: 116-119. Dec. 1945. 450 So82
- 10210 DAVIES, C. N. Early observation of antibiotic action. Nature [London] 156: 666. Dec. 1, 1945. 470 N21
- Occurrence of the action of *Penicillium glaucum* on bacteria noted by John Tyndall in 1875.
- 10211 DEY, N. C. A preliminary note on the antibacterial substance from *Aspergillus flavus*. Cur. Sci. 14: 265-267. Oct. 1945. 475 Sc123
- 10212 DODGE, B. O. Further remarks on mycogenetic terminology. Mycologia 37: 784-791. Nov./Dec. 1945. 450 M99
- 10213 DREW, K. M. Use of hydrochloric acid for softening algal tissues for microtome sections. Nature [London] 156: 479. Oct. 20, 1945. 472 N21
- 10214 FIRTH, F. Biostatistique des diatomées et chrysosomatacées fossiles de deux tourbières du Cantal. Paris. Acad. des Sci. Compt. Rend. 220: 787-788. May 28, 1945. 505 P21
- 10215 FOSBERG, F. R. The work of the botanists of the Cinchona Mission in Colombia. Chron. Bot. 9: 119-121. Autumn 1945. 450 C46
- 10216 GADD, I. Vital colouring of pea seeds by means of malachite green. Assoc. Internat. Essais Semences Compt. Rend. (Internat. Seed Testing Assoc. Proc.) (1941/1943) 13: 5-76. 1944. Ref. 61.9 In84P
- 10217 GRAPE, A. A recently discovered manuscript by Linnaeus. Nature [London] 156: 351-352. Sept. 22, 1945. 472 N21
- Pharmacopoea Holmensis, consisting of 26 foolscap pages written after 1755.
- 10218 GROFF, H. K. Franklin and Marshall college herbarium at Lancaster, Pennsylvania. Bartonia (1943/1944) No. 23, p. 47-48. Nov. 23, 1945. 451 P532
- 10219 HÅKANSSON, R. Växtodlingsfrågor i England [Plant research problems in England]. Lantmannen 29: 1076-1077, 1080. Dec. 1, 1945. 11 L234
- 10220 HANSEN, H. P. Early man in Oregon. Pollen analysis and postglacial climate and chronology. Sci. Monthly 62: 52-62. Jan. 1946. 470 Sc123
- Pollen analysis, p. 52-59.
- 10221 HANSEN, N. E. Fifty years work as agricultural explorer and plant breeder. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 119-136. 81 So86
- 10222 HANSEN, N. E. Northern plant novelties for 1945. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 57-60. 81 So86
- Introduced plants.
- 10223 HOBART, S. G. Cutting Christmas greenery. Gard. Gossip 20(12): 9. Dec. 1945. 80 G1625
- Plea for conservation of holly and evergreens.
- 10224 ISENBERG, I. H., and HUCHANAN, M. A. A color reaction of wood with methanol-hydrochloric acid. J. Forestry 43: 888-890. Dec. 1945. 99.8 F768
- A possible new method of identifying woods of certain species that cannot be separated on the basis of structure alone.
- 10225 MALPASS, G. N. Century old botanicals. Amer. J. Pharm. 117: 298-318. Sept. 1945. 396.8 Am3
- Druggists' catalogs of 1840 compared to current ones.
- 10226 MARTIN, A. C. Instability in scientific names of plants. Amer. Midland Nat. 34: 799-800. Nov. 1945. 410 M58
- 10227 MENCÍA, M., and PONCE DE LEÓN, A. El Jardín Botánico de la Universidad de Habana. Soc. Cubana de Bot. Rev. 2: 87-89. July/Aug. 1945. 451 So123
- 10228 MERRILL, E. D. Heavy damage at the Berlin Botanic Garden. Parks & Recreation 28: 364. Nov./Dec. 1945. 98.9 P23
- 10229 MEYER, H. Leaves and what they do. Organic Gard. Ser., No. 3, 56 p. Emmaus, Pa., 1945. 56.9 Or3
- 10230 MEYER, J. R. Prefixing with paradichlorobenzene to facilitate chromosome study. Stain Technol. 20: 120-125. Oct. 1945. 442.8 St1
- 10231 MISTLETOE-- a cherished tradition of Christmas. By The Master Gardner. Gard. Gossip 20(12): 13. Dec. 1945. 80 G1625
- 10232 MORE, R. E. The Glenmore Arboretum at Buffalo Creek, Colorado. Arnoldia 5: 65-76. Dec. 7, 1945. 451 Ar6Ba



10233 MUENCH, J., and MUENCH, J. Forests of stone. Nat. Hist. 54: 460-466. Dec. 1945.

500 N483J

Petrified forest of Arizona.

10234 ODGEN, E. C. Dislay pocket for cryptogams. Bryologist 48: 194-197. Dec. 1945.  
450 B84

10235 PENNELL, F. W. How Durand acquired Rafinesque's herbarium. Bartonian (1934/1944) No. 28, p. 43-46. Nov. 23, 1945. 451 P532

10236 PESCOFF, E. More about hardy trees for the Inland Country [Australia]. Stock and Land 35 (42): 2. Oct. 17, 1945. 49 St63

10237 PESCOFF, E. E. Sorry examples of wilful destruction of trees. Stock and Land 35(7): 2. Feb. 14, 1945. 49 St63

10238 A PLEA for the reorganization of the Botanical Survey of India. Sci. and Cult. 11: 105-110. Sept. 1945. 475 Sci24

10239 PRAT, H., and CALVET, E. Sur les éliments des courbes de thermogenèse utilisables pour caractériser l'état et les propriétés spécifiques des semences. Paris Acad. des Sci. Compt. Rend. 220: 470-472. Mar. 26, 1945. 505 P21

10240 FURI, G. S. Some fossil leaves of the Salicaceae from Nigal Nullah and Laredura, Pir Panjal, with a note on the significance of temperate species in the Pleistocene flora of Kashmir. Indian Acad. Sci. Proc. Sect. B 22: 87-112. Sept. 1945. Ref. 513 In25B

10241 RICHARDS, P. W. The Biological Flora of the British Isles. Chron. Bot. 9: 140-144. Autumn 1945. 450 C46

A proposed publication; eleven parts have been published in Ecology.

10242 RUSCONI, C. El maíz en las tumbas indígenas de Mendoza. Darwiniana 7: 117-119. Oct. 1945. 450 D25

10243 SHREVE, F. The saguaro [*Cereus giganteus*], cactus camel of Arizona. Natl. Geog. Mag. 88: 695-704. Dec. 1945. 470 N213

10244 SLEETH, B. Agar medium and technique for isolating *Pythium* free of bacteria. Phytopathology 35: 1030-1031. Dec. 1945. 464.8 P56  
Experiments on guayule.

10245 SMITH, A. C. The principle of priority in biological nomenclature. Chron. Bot. 9: 114-119. Autumn 1945. 450 C46

Comments on K. Heikertinger, Das Nomenklaturproblem der Gegenwart. Biologie 1942: 20-27. 442.8 B527

10246 STERE, W. C. The work of the botanists of the Cinchona mission in Ecuador. Chron. Bot. 9: 121-123. Autumn 1945. 450 C46

10247 STERN, A. C. Pollen in the air. Heating and Ventilating 42(11): 63-66. Nov. 1945. 291.8 H35

10248 SVENSON, H. K. On the descriptive method of Linnaeus. (Cont.) Rhodora 47: 363-388. Nov. 1945. 450 R34

10249 THORNTON, A. The cabbage-tree palm [*Livistona*]. Walkabout 11(9): 16. July 1, 1945. 331.8 W15

10250 TOWLE, D. S. "Incubator babies" of the plant world. Pop. Sci. Monthly 84: 28-30. Dec. 1945. 291.8 P81

10251 WING, A. S. Behind the seed catalog. Nature Mag. 39(1): 19-21. Jan. 1946. 409.6 N214  
Includes plant breeding.

10252 WOLF, F. The production of a penicillin-like factor by Dermatophytes. Mycologia 37: 796-797. Nov./Dec. 1945. 450 M99

10253 ZAYAS-BAZÁN Y PERDOMO, E. Historia de la botánica en Cuba. Soc. Cubana de Bot. Rev. 2: 107-110. (Cont.) July/Aug. 1945. 451 Sol23

# SYSTEMATIC AND GEOGRAPHIC BOTANY

## General

10254 DUGAND, A. Noticias botánicas colombianas V. Caldasia 3: 357-361. Sept. 1945. 516 C12  
Includes *Matisia inaequalis* n. sp.

10255 DUTILLY, A., and LEPAGE, E. Coup d'oeil sur la flore subarctique du Québec de la Baie James au Lac Mistassini. Nat. Canad. 72: 266-288. Sept./Oct. 1945. 410 N216

10256 GÓMEZ Y GUTIÉRREZ, A. Flora silvestre del valle de Guadalajara. Mex. Forestal 23: 58-60. (To be cont.) June/Sept. 1945. 99.9 M57

10257 GOULD, F. W. Additions to the flora of Utah. Leaflets West. Bot. 4: 212-213. Nov. 1945. 450 I47

10258 GRAFF, P. W. Additions to the flora of Greenville County, South Carolina. Castanea 10: 93-103. Dec. 1945. 450 So82

10259 HITCHCOCK, C. L., and THOMPSON, J. W. Noteworthy plants of Idaho. Leaflets West. Bot. 4: 197-206. Nov. 1945. 450 I47

10260 KELSO, L. Plants of Denver and vicinity (Second supplement). Biol. Leaflet 31, p. 1. Nov. 10, 1945. 442.8 B528

10261 LEE, J. R. The flora of Easter Dumbartonshire [Scotland]. Glasgow Nat. 15: 1-18. Sept. 1945. 472 C48

10262 LEPAGE, E. The lichen and bryophyte flora from James Bay up to Lake Mistassini. Bryologist 48: 171-186. Dec. 1945. 450 B84

10263 LOOSER, G. Rápida excursión botánica a la Patagonia chilena. Rev. Geog. Amer. 24: 191-200. Oct. 1945. 475 R322

10264 MAGUIRE, B. The first botanical exploration of Table Mountain in Surinam; a report of the New York Botanical Garden's Tropical Expedition of 1944. I-II. N. Y. Bot. Gard. J. 46: 253-272, 277-286. Nov.-Dec. 1945. 451 N46J

10265 MERRILL, E. D. In defense of the validity of William Bartram's binomials. Bartonian (1943/1944) No. 23, p. 10-35. Nov. 23, 1945. 451 P532

10266 MONTGOMERY, F. H. A botanical survey of Waterloo County, Ontario. Roy. Canad. Inst. Trans. 25: 217-265. Oct. 1945. Ref. 517 T63T

10267 MOYLE, J. B., and HOTCHKISS, N. The aquatic and marsh vegetation of Minnesota and its value to the waterfowl. Minn. Dept. Conserv. Tech. B. 3, 122 p. St. Paul, 1945. 410.9 M662

10268 MUENSCHER, W. C., and BROWN, B. I. *Lippia lanceolata* and other unusual plants at Cross Lake, New York. Torrey Bot. Club. B. 73: 92-93. Jan./Feb. 1946. 451 T63B

10269 PONCE DE LEÓN Y AYMÉ, A. Una excursión geobotánica llevada a cabo por los alumnos de la Universidad de la Habana. Soc. Cubana de Bot. Rev. 2: 60-75. May/June 1945. 451 Sol23

10270 RAPP, W. F., JR., and RAPP, J. L. C. Notes on the mosses and lichens of the Great Swamo (New Jersey). Torrey Bot. Club. B. 73: 91-92. Jan./Feb. 1946. 451 T63B

10271 REICHERT, F., and RENTZELL, I. VON. Breve resumen de los resultados geográficos, geológicos y botánicos de la octava expedición patagónica, correspondiente al programa Reichert-Hicken, establecido en el año 1913, en el "Instituto Darwinion." Darwiniana 7: 138-170. Oct. 1945. 450 D25

10272 SMITH, S. J. Contributions to the flora of central New York. N. Y. State Mus. B. 338, 74 p. Albany, 1945. 500 N48B

## Spermatophytes

10273 ALAIN, HERMANO. El género *Linodendron* en Cuba. Soc. Cubana de Bot. Rev. 2: 31-37. Mar./Apr. 1945. 451 Sol23

- 10274 ALLARD, E. A. An interesting raspberry, *Rubus illecebrosus* Pocke, new to West Virginia. *Castanea* 10: 113-115. Dec. 1945. 450 So82
- 10275 AMMONS, N., and CORE, E. L. Huckleberries, blueberries and cranberries of West Virginia. *Castanea* 10: 103-109. Dec. 1945. 450 So82  
Gaylussacia and Vaccinium.
- 10276 ANDERSON, F. What is Zea mays? A progress report. *Chron. Bot.* 9: 88-92. Autumn 1945. 450 C46
- 10277 BALDWIN, J. T., JR. Cytogeography of *Emilia* Cass. in the Americas. *Torrey Bot. Club. B.* 73: 18-23. Jan./Feb. 1946. Ref. 451 T63B
- 10278 BARNEY, R. C. A new species of *Asclepias* [*A. eastwoodiana*] from Nevada. *Leaflets West. Bot.* 210-211. Nov. 1945. 450 L47
- 10279 BARRETT, M. F. *Ficus-tsjahela*. *Torrey Bot. Club. B.* 73: 87-90. Jan./Feb. 1946. 451 T63B
- 10280 BEAN, R. C. *Betula papyrifera*, var. *commutata* in western Maine. *Rhodora* 47: 405. Dec. 1945. 450 R34
- 10281 BEETLE, A. A. The genus *Isolepis* R. Br. *Amer. Midland Nat.* 34: 723-734. Nov. 1945. 410 M58
- 10282 BEETLE, A. A. A new section *Microphyllae* in *Agrostis*. *Torrey Bot. Club. B.* 72: 541-549. Nov. 25, 1945. Ref. 451 T63B  
Includes *A. kennedyana* n. sp.
- 10283 BELL, F. H. The genus *Ranunculus* in West Virginia. *Amer. Midland Nat.* 34: 735-743. Nov. 1945. 410 M58
- 10284 BENSON, L. Nomenclatorial recombinations in *Trifolium* and *Opuntia*. *Leaflets West. Bot.* 4: 209-210. Nov. 1945. 450 L47
- 10285 BOR, N. L., and RAIZADA, M. B. Some beautiful Indian climbers and shrubs. *Bombay Nat. Hist. Soc. J.* 45: 263-279. Sept. 1945. 513 B63
- 10286 BROWN, J. R. Notes on *Haworthias*. *Cactus and Succulent J.* 17: 164-165. Dec. 1945. 451 C11
- 10287 BURKART, A. La piperácea [*Peperomia cathartinae*] más austral en la República Argentina. *Darwiniana* 7: 171-173. Oct. 1945. 450 D25
- 10288 CARICES on Mt. Elbert. *Biol. Leaflet* 31, p. 2-3. Nov. 10, 1945. 442.8 B528  
Includes *Carex elbertana*, n. sp.
- 10289 CHEEL, E. Notes on the nomenclature and taxonomy of certain species of *Melaleuca*. *Roy. Soc. N. S. Wales. J. and Proc.* 78: 63-66. Apr. 20, 1945. 514 Sy24
- 10290 CLAUSEN, R. T. A review of the status of several American species of *Dalea*. *Torrey Bot. Club. B.* 73: 80-85. Jan./Feb. 1946. 451 T63B
- 10291 COOPER, E. W. *Doritis pulcherrima* and *D. species*. *Orchid Rev.* 53: 143-145. Nov. 1945. 80 Or15
- 10292 CORE, E. L. Ramps [*Allium tricoccum*]. *Castanea* 10: 110-112. Dec. 1945. 450 So82
- 10293 COVAS, G., and SCHNACK, B. El valor taxonómico de la relación "longitud del pistilo: volumen del grano de polén." *Darwiniana* 7: 80-90. Oct. 1945. 450 D25
- 10294 CROIZAT, L. Winter identification of *Eunymus*. *Amer. Nurseryman* 83: 7-10. Jan. 1946. 80 Am371
- 10295 CRONQUIST, A. Additional notes on the *Simaroubaceae*. *Brittonia* 5: 469-470. Nov. 12, 1945. 450 B79
- 10296 CRONQUIST, A. Notes on the *Compositae* of the North-Eastern United States. II. *Heliantheae* and *Heleneae*. *Rhodora* 47: 396-403. Dec. 1945. 450 R34
- 10297 CRONQUIST, A. Studies in the *Sapotaceae*. IV. The North American species of *Manilkara*. *Torrey Bot. Club. B.* 72: 550-562. Nov. 1945. 451 T63B
- 10298 CUATRECASAS, J. Estudios sobre plantas Andinas. VI. *Caldasia* 3: 421-437. Dec. 1. 1945. 516 C12  
New spp. in: *Diplostegium* 2; *Aphanactis*; *Liabum*; *Steiractinia*; *Brunellia* 3; *Pinguicula* 2; *Hedyosmum* 7; *Gentiana*.
- 10299 DIX, W. L. Will the stowaway, *Molinia caerulea*, become naturalized? *Bartonia* (1934/1944) No. 23, p. 41-42. Nov. 23, 1945. 451 P632
- 10300 DUCKE, A. O genero *Strychnos* L. na Amazonia brasileira com a descrição de uma espécie nova: *Strychnos pachycarpa* n. sp. *Pará. Inst. Agron. do Norte. B. Téc.* 3, 23 p. Belém, 1945. 9.2 P213B
- 10301 DUCKE, A. New forest trees and climbers of the Brazilian Amazon. *Pará. Inst. Agron. do Norte. B. Téc.* 4, 29 p. Belém, 1945. 9.2 P213B  
18 new species and two new genera: *Aptandropsis* (Olacaceae) and *Striolaria* (Rubiaceae).
- 10302 DUCKE, A. New or noteworthy *Leguminosae* of the Brazilian Amazon. *Pará. Inst. Agron. do Norte. B. Téc.* 2, 33 p. Belém, 1944. 9.2 P213B  
28 new species described.
- 10303 DUGAND, A. Revaluación de *Philodendron hederaceum* Schott (1829, non 1856) como transferencia de *Arum hederaceum* Jacq. *Caldasia* 3: 445-452. Dec. 1, 1945. 516 C12
- 10304 DWYER, J. D. The taxonomy of the genus *Sauvagesia* (Ochnaceae). *Torrey Bot. Club. B.* 72: 521-540. Nov. 1945. 451 T63B  
Includes two new species.
- 10305 EMONS, R. W. A revision of the Central American species of *Smilacina*. *Mo. Bot. Gard. Ann.* 32: 395-412. Nov. 1945. 451 M69
- 10306 FAIRCHILD, D. The *Borassus* palm in Fla. *Amer. Eagle* 40(35): 1, 4-5, (36): 1, 4. Dec. 20, 27 1945. 6 Am327
- 10307 FERNALD, M. L. *Chamaedaphne calyculata* (L.) Moench, var. *latifolia*. *Rhodora* 47: 390-391. Nov. 1945. 450 R34
- 10308 FERNALD, M. L. *Cypripedium calceolus* L. var. *parviflorum* (Salisb.), comb. nov. *Rhodora* 48: 4. Jan. 1946. 450 R34
- 10309 FERNALD, M. L. Eastern North American representatives of *Alnus incana*. *Rhodora* 47: 333-369. Nov. 1945. 450 R34  
*Contrib. Gray Herbarium, Harvard U., No. CLIX, pt. II.*
- 10310 FERNALD, M. L. "Ia." sometimes stands for Indiana. *Rhodora* 47: 404-405. Dec. 1945. 450 R34  
"Ia." on a herbarium label for *Scutellaria nervosa* misread for Iowa.
- 10311 FERNALD, M. L. Technical studies in North American plants. I-II. *Rhodora* 48: 5-13. 13-16. Jan. 1946. 450 R34  
I. Some species in Rafinesque's "Herbarium Rafinesquianum." II. Difficulties in North American *Salix*.
- 10312 FREIER, F. Relación entre la anatomía foliar del género *Neurolepis* (Gramineae) y su posición sistemática. *Darwiniana* 7: 103-107. Oct. 1945. Ref. 450 D25
- 10313 GARDNER, C. A. Taxonomy and the species concept, with special reference to *Eucalyptus*. *Austral. Forestry* 9: 7-11. 1945. 99.8 An74
- 10314 GOURLAY, W. B. *Embothrium coccineum* Forster. *Roy. Hort. Soc. J.* 70: 317-318. Nov. 1945. 84 L84J
- 10315 GRANT, M. O. On the flora of Greece. *Roy. Hort. Soc. J.* 70: 298-305. Oct. 1945. 84 L84J  
Wild flowers.
- 10316 GRESHAM, C. E. Notes on the wild flowers of Malta. *Gard. Chron.* 118: 200-201. Nov. 10, 1945. 80 G162
- 10317 GROH, H. *Linum catharticum* in Ontario. *Rhodora* 47: 362-363. Nov. 1945. 450 R34



- 10318 GRONDONA, E. M. Las especies argentinas del género *Monnina* (Polygalaceae). *Darwiniana* 7: 1-37. Oct. 1945. 450 D25
- 10319 GUNCKEL L., H. Una balanoforácea [Ombrophytum peruvianum] chilena. *Rev. Quím.-Farm.* 3(34): 2-3. Nov. 1945. 396.8 R32
- 10320 HITCHCOCK, C. L. The Mexican, Central American, and West Indian *Lepidia*. *Madroño* 8: 118-143. Oct. 1945. 450 M26
- 10321 HOWELL, J. T. New varieties of *Calyotridium carryi*. *Leaflets West. Bot.* 4: 214-216. Nov. 1945. 450 L47
- 10322 HOWELL, J. T. Some weedy species of *Lathyrus*. *Leaflets West. Bot.* 4: 213-214. Nov. 1945. 450 L47
- 10323 HOWELL, J. T. Studies in *Carex*. I. *Leaflets West. Bot.* 4: 206-208. Nov. 6, 1945. 450 L47
- 10324 HULL, E. D. *Campanula rapunculoides* in Indiana. *Rhodora* 47: 404. Dec. 1945. 450 R34
- 10325 JOHNSON, B. L. Natural hybrids between *Oryzopsis hymenoides* and several species of *Stipa*. *Amer. J. Bot.* 32: 599-608. Nov. 1945. Ref. 450 Am36
- 10326 KEARNEY, T. H. A new name in *Astragalus* [*A. mitophyllus* (*Psoralea longifolia*)]. *Leaflets West. Bot.* 4: 216. Nov. 1945. 450 L47
- 10327 KENG, Y. L., and KENG, K. H. *Kokonoria*, a new genus of Plantaginaceae from Tsinghai Province, China. *Wash. Acad. Sci. J.* 35: 374-378. Dec. 15, 1945. 500 W276J
- 10328 KRAPOVICKAS, A. El género *Neobaclea* (Malvaceae) y su distribución geográfica en la República Argentina. *Darwiniana* 7: 108-112. Oct. 1945. 450 D25
- 10329 KUCZYNAK, J. *Chrysanthemum uliginosum* Pers. adventive in Quebec. *Rhodora* 47: 389-390. Nov. 1945. 450 R34
- 10330 KUMAR, L. S. S., and ABRAHAM, A. A new variety of papaya: *Carica papaya* var. *flava* from Travancore. *Bombay Nat. Hist. Soc. J.* 45: 602-605. Aug. 1944. 513 B63
- A correction. *Bombay Nat. Hist. Soc. J.* 45: 443-444. Sept. 1945.
- 10331 LARELA, O. A new form of *Campanula* [*C. rotundifolia* var. *intercedens* f. *cleistocodona*] from Minnesota. *Rhodora* 47: 391-392. Nov. 1945. 450 R34
- 10332 MCCANN, C. Notes on the genus *Rupia* (Euphyllaceae). *Bombay Nat. Hist. Soc. J.* 45: 396-402. Sept. 1945. 513 B63
- Represented by a single cosmopolitan species *R. maritima*.
- 10333 MACDOUGALL, T. *Epiphyllum oxypetalum* and *pumilum* in Oaxaca. *Cactus and Succulent J.* 17: 168-169. Dec. 1945. 451 C11
- 10334 MACDOUGALL, T. Orchid cacti of Mexico. *Cactus and Succulent J.* 17: 149. Nov. 1945. 451 C11
- 10335 MCVAUGH, R. Notes on North American *Campamilaceae*. *Bartonia* (1943/1944) No. 23, p. 36-40. Nov. 23, 1945. 451 P532
- 10336 MCWHORTER, F. P. History and significance of varietal names of *Lilium speciosum*. I. *Florists' Rev.* 97(2509): 25-26. Dec. 27, 1945. 80 W41
- 10337 MARSHALL, W. T. *Lobivia formosa*. *Cactus and Succulent J.* 17: 163. Dec. 1945. 451 C11
- 10338 MARSHALL, W. T. *Trichocereus coquimbensis*. *Cactus and Succulent J.* 17: 147-148. Nov. 1945. 451 C11
- 10339 MATHEWS, F. P. A comparison of the toxicity of *Notholaena sinuata* and *N. sinuata* var. *cochisensis*. *Rhodora* 47: 393-395. Dec. 1945. 450 R34
- Toxicity as a taxonomic character.
- 10340 MOLDENKE, H. J. The known geographic distribution of the members of the Verbenaceae and Avicenniaceae, Supplement 4. *Amer. J. Bot.* 32: 609-612. Nov. 1945. 450 Am36
- 10341 NERLING, H. *Cycads*. *Amer. Eagle* 40(30): 1, 4; (31): 1, 4. Nov. 15, 22, 1945. 6 Am327
- 10342 PONCE DE LEÓN, A. Joyas de la flora cubana. El dagame (*Calycophyllum candidissimum* D. C.). *Soc. Cubana de Bot. Rev.* 2: 98-99. July/Aug. 1945. 451 Sol23
- 10343 RAIZADA, M. B. The double coconut *Lodoicea maldivica*. *Indian Forester* 70: 411-415. Dec. 1944. 99.8 In2
- 10344 ROBBIE, J. The cultivated *Adeniums* (poison trees) in Khartoum. *Sudan Notes and Rec.* 26: 179-181. 1945. 515 Su2
- 10345 ROULEAU, E. A necessary transfer in *Populus* f. *Turanga* [P. *ilicifolia*, n. comb. (*Celtis ilicifolia*)]. *Rhodora* 47: 362. Nov. 1945. 450 R34
- 10346 ROUSSEAU, J. L'annedda, l'arbre employé par Jacques Cartier contre le scorbut. *Chron. Bot.* 9: 151-153. Autumn 1945. 450 C46
- Discussion of the identity of the conifer mentioned in account of Cartier's second voyage to New France.
- 10347 SANTAPAU, H. New plant records for Bombay presidency. *Bombay Nat. Hist. Soc. J.* 45: 445-448. Sept. 1945. 513 B63
- Acanthospermum hispidum*, *Campanula canescens*, *Aegitina pedunculata*.
- 10348 SCHULTES, R. E. *Plantae austro-americanae*. IV. *Caldasia* 3: 439-444. Dec. 1, 1945. 516 C12
- Includes *Mayna linguifolia* n. sp.
- 10349 SCHWEINFURTH, C. A little *Odontoglossum* [*O. pusillum* n. sp.] from the Peruvian Andes. *Amer. Orchid B.* 14: 340-342. Jan. 7, 1946. 80 Am329
- 10350 SHARSMITH, H. K. A new species of *Linum* [*L. bicarpellatum*] from the coast ranges of California. *Madroño* 8: 143-144. Oct. 1945. 450 M26
- 10351 SIMMONDS, N. W. *Polygonum*. *J. Ecol.* 33: [117]-[143]. 1945. 450 J829
- Biological flora of the British Isles, No. 11. Includes *P. persicaria*, *P. lapathifolium* and *P. petecticale*.
- 10352 SMITH, A. C. Studies of South American plants XI. Noteworthy species of Hippocrateaceae and Vacciniaceae. *Arnold Arboretum J.* 27: 86-120. Jan. 1946. 451 Ar6J
- New species in: *Tontelea*; *Cheiloclinium*; *Macleania*; *Psammisia* 4; *Thibaudia* 3; *Themistoclesia*; *Cavendishia* 5, *Satyria* 2; *Calopteryx* n. gen.
- 10353 STEHLÉ, H. Les dioscoréacées (ignames); détermination, culture et intérêt aux Antilles françaises. *Guadeloupe. Serv. de l'Agr. Rev. Agr. (n.s.)* 2: 149-154, 191-198. (To be cont.) Sept., Nov. 1945. 8 R327
- Species of *Dioscorea* and *Rajania* discussed.
- 10354 STEWART, R. E. The grasses of northwest India. *Brittonia* 5: 404-468. Nov. 12, 1945. 450 B79
- Includes *Stipa koelzii* n. sp.
- 10355 TAMAYO, F. Las especies argentinas del género *Machaerium*. *Darwiniana* 7: 120-137. Oct. 1945. 450 D25
- 10356 TAYLOR, H. Cyto-taxonomy and phylogeny of the Oleaceae. *Brittonia* 5: 337-367. Nov. 12, 1945. Ref., p. 365-367. 450 B79
- 10357 TUCKER, J. M., and MULLER, C. H. Additions to the oak flora of El Salvador. *Madroño* 8: 111-117. Oct. 1945. 450 M26
- Includes *Quercus esesmilensis*, n. sp.
- 10358 URIBE-URIBE, L. Especies nuevas o no-tables del género *Inga* en Colombia. *Caldasia* 3: 345-356. Sept. 1945. 516 C12

10359 VENKATESWARLU, J. A podostemad [Zeylandium lichenoides] from the eastern Ghat hills in Criasa. Cur. Sci. 14: 240-241. Sept. 1945. 475 Sci23

10360 VERDOORN, I. C. On the genus Aloe. Chron. Bot. 9: 150-151. Autumn 1945. 450 C46

10361 WEBBER, J. M. The NavaJo yucca [Y. navaJo], a new species from New Mexico. Madroño 8: 105-110. Oct. 1945. 450 M26

10362 WHERRY, E. T. The Phlox carolina complex. Bartonla (1943/1944) No. 23, p. 1-9. Nov. 23, 1945. 451 P532

10363 WHERRY, E. T. A variant of nodding Trillium [T. cernuum var. typicum new name, f. tangerae new form.]. Bartonla (1943/1944) No. 23, p. 49. Nov. 23, 1945. 451 P532

10364 WHITE, C. T. The Australian species of Antirhea, and a new name for a Cuban species. Arnold Arboretum. J. 27: 121-122. Jan. 1946. 451 Ar6J

A. urbaniana n. name (A. tenuiflora Urban not F. Mueller).

10365 WOLF, W. X Quercus capesii: a supplementary note. Castanea 10: 120. Dec. 1945. 450 So82

#### Pteridophytes

10366 EWAN, J. Sources of the fern flora of Colorado. Amer. Fern J. 35: 114-128. Oct./Dec. 1945. Ref. 450 Am35

10367 FESSENDEN, G. R. Recent range extensions of Botrychium matricariaefolium. Amer. Fern J. 35: 105-108. Oct./Dec. 1945. 450 Am35

10368 LINDSEY, A. A. A unique habitat for maidenhair spleenwort. Amer. Fern J. 35: 109-113. Oct./Dec. 1945. 450 Am35

Asplenium trichomanes in lava beds of Grant Flow near Acoma Indian Reservation, west central New Mexico.

10369 LOOSER, G. El género Notholaena en Chile. Darwiniana 7: 62-70. Oct. 1945. 450 D25

10370 REED, C. A. A crested form of the broad beech-fern [Dryopteris hexagonoptera simonii n. form]. Amer. Fern J. 35: 104-105. Oct./Dec. 1945. 450 Am35

10371 SHAVER, J. M. Tennessee spleenworts [Asplenium]. II. Tenn. Acad. Sci. J. 20: 326-362. Oct. 1945. Ref. 500 T25A

10372 TADGELL, A. J. A rare Victorian fern [Lindsaya microphylla]. Victorian Nat. 62: 126. Nov. 1945. 410 V66

10373 WAKEFIELD, N. A. Additions to the Victorian Pteridophyta. Victorian Nat. 62: 125-126. Nov. 1945. 410 V66

10374 WHERRY, E. T. Our most-renamed native fern [Pteritis nodulosa]. Amer. Fern J. 35: 128. Oct./Dec. 1945. 450 Am35

#### Bryophytes

10375 ANDREWS, A. L. Taxonomic notes. V. The genus Tetrapterium. Bryologist 48: 190-193. Dec. 1945. 450 B84

10376 CLARK, L., and SVIRLA, R. D. Frullania atrata. Bryologist 48: 187-189. Dec. 1945. 450 B84

10377 CONARD, H. S. The Atracheata (Bryophyta) of Iowa. III. Mosses and persons in Iowa. A summary of the literature of mosses in Iowa. Bryologist 48: 161-170. Dec. 1945. 450 B84

10378 FULFORD, M. Studies on American Hepaticae. VI. Ceratolejeunea. Brittonia 5: 368-403. Nov. 12, 1945. Ref. 450 B79

10379 HABEEB, H. Some mosses from Windsor, Nova Scotia. Rhodora 48: 1-4. Jan. 1946. 450 R34

10380 LEPAGE, E. Les lichens, les mousses et les hépatiques du Québec, et leur rôle dans la formation du sol arable dans la région du bas de Québec, de Lévis à Gaspé. IV. Inventaire des espèces du Québec. 2. Les mousses. Nat. Canad. 72: 241-265. Sept./Oct. 1945. 410 N216

10381 SCHNOOBERTGER, I., and WYNNE, F. E. The bryophytes of Shenandoah National Park, Virginia. Torrey Bot. Club. B. 72: 506-520. Nov. 1945. 451 T63B

10382 SULLIVANT MOSS SOCIETY. COMMITTEE ON HERBARIUM METHODS. The Bryophyte herbarium. Bryologist 48: 198-202. Dec. 1945. 450 B84

#### Algae

10383 DAMANN, K. E. Plankton studies of Lake Michigan. I. Seventeen years of plankton data collected at Chicago, Illinois. Amer. Midland Nat. 34: 769-796. Nov. 1945. Ref. 410 M58

10384 GILBERT, W. J. Studies on Philippine Chlorophyceae. II. Survey of literature and list of recorded species prior to 1940. Torrey Bot. Club. B. 73: 73-79. Jan./Feb. 1946. Ref. 451 T63B

10385 HOLLENBERG, G. A. New marine algae from southern California. III. Amer. J. Bot. 32: 447-451. Oct. 1945. Ref. 450 Am36

Includes n. spp. in: Chondria; Gigartina; Myriogramme; Heterosiphonia; Porphyrella; Petroglossum.

10386 LEAKE, D. V. The algae of Crystal Lake, Cleveland County, Oklahoma. Amer. Midland Nat. 34: 750-768. Nov. 1945. 410 M58

10387 LUYET, B. The existence of a three-generation cycle in several groups of lower plants and animals. Biodynamica 5: 129-136. Oct. 1945. 442.8 B5223

#### Mainly algae.

10388 MAY, V. Studies on Australian marine algae. I. The corrected name for Pterocladia pectinata (A. & E. S. Gepp) Lucas [Gelidium lucasii new name]. Linn. Soc. N. S. Wales. Proc. (1944) 69: 226-228. 514 Sy2

10389 MENON, M. A. S. Observations on the seasonal distribution of the plankton of the Trivandrum coast. Indian Acad. Sci. Proc. Sect. B 22: 31-62. Aug. 1945. Ref. 513 In25B

10390 TAFT, C. E. The desmids of the west end of Lake Erie. Ohio J. Sci. 45: 180-205. Sent. 1945. 410 Oh3

#### Fungi (Including Lichens)

10391 COKER, W. C. A new species of Lysurus [L. pusillus]. Mycologia 37: 781-783. Nov./Dec. 1945. 450 M99

10392 DRECHSLER, C. A nematode-destroying phycomycete [Goniomochaete horridula n. g., n. sp.] forming immotile spores in aerial evacuation tubes. Torrey Bot. Club. B. 73: 1-17. Jan./Feb. 1946. Ref. 451 T63B

10393 FOSTER, J. W., and others. Microbiological aspects of penicillin. V. Conidiospore formation in submerged cultures of Penicillium notatum. J. Bact. 50: 365-368. Sent. 1945. 448.3 J82  
L. E. McDaniel, H. B. Woodruff, and J. L. Stokes, joint authors.

10394 GUYOT, L. Étude biométrique de Puccinia graminis Persoon (rouille noire des graminées). Paris. Acad. des Sci. Compt. Rend. 220: 700-701. May 7, 1945. 505 P21

10395 HESLER, L. R. Notes on southern Appalachian fungi. VII. Tenn. Acad. Sci. J. 20: 363-372. Oct. 1945. Ref. 500 T25A

10396 JENKINS, A. E. Scab of cinchona in South America caused by Elsinoë [E. cinchonae, n. sp.]. Wash. Acad. Sci. J. 35: 344-352. Nov. 15, 1945. Ref. 500 W26J



- 10397 KRASIL'NIKOV, N. A. O klassifikatsii luchistykh gribkov Actinomycetales (The classification of Actinomycetales). Mikrobiologiya 14: 164-171. 1945. Ref. 448.3 M582  
English summary.
- 10398 RHOADS, A. A. A comparative study of two closely related root-rot fungi, *Clitocybe tabescens* and *Armillaria mellea*. Mycologia 37: 741-766. Nov./Dec. 1945. 450 M99
- 10399 SEAYER, F. J. *Sclerotinia bifrons*. Mycologia 37: 641-647. Nov./Dec. 1945. 450 M99
- 10400 SINGER, R. New Boletaceae from Florida (a preliminary communication). Mycologia 37: 797-799. Nov./Dec. 1945. 450 M99
- 10401 SNYDER, W. C., and HANSEN, H. N. The species concept in *Fusarium* with reference to *Discolor* and other sections. Amer. J. Bot. 32: 657-666. Dec. 1945. 450 Am36
- 10402 TALBOT, P. H. B. A modification of slide-culture technique. Nature [London] 156: 391-392. Sept. 29, 1945. 472 N21  
For the study of molds.
- 10403 THOMAS, K. M., RAMAKRISHNAN, T. S., and SRINIVASAN, K. V. The natural occurrence of ergot in South India. II. Indian Acad. Sci. Proc. Sect. B 22: 191-192. Sept. 1945. Ref. 513 In25B
- 10404 VIEGAS, A. P. Alguns fungos esparsos brasileiros. Soc. Bras. de Agron. B. 7: 367-400. Dec. 1944. 9.2 Sol3
- 8 n. spp. in: *Elsinoë*, *Phyllachora*, *Glomerella*, *Dictyodictia*, *Trabutia*, *Cercospora*, *Helminthosporium* 2.
- 10405 WEIMER, J. L. A new species of *Colletotrichum*, *Colletotrichum villosum*, on vetch. Phytopathology 35: 977-990. Dec. 1945. 464.8 P56
- 10406 WHETZEL, H. H. A synopsis of the genera and species of the Sclerotiniaceae, a family of stomatic inoperculate Discomycetes. Mycologia 37: 648-714. Nov./Dec. 1945. Ref. 450 M99  
Posthumous paper, completed by H. M. Fitzpatrick. Includes 5 n. g.: *Gibberinia*, *Botryotinia*, *Streptotinia*, *Verpatinia*, and *Seaverinia*.
- 10407 ZUNDEL, G. L. A change in generic name. Mycologia 37: 795-796. Nov./Dec. 1945. 450 M99  
*Ustacystis* proposed for the invalid *Whetzelia*.
- 10415 BENNETT, S. H., KEARNS, H. G. H., and MARSH, R. W. A field trial on the combined control of codling moth [*Carpocapsa pomonella*], and brown rot [*Sclerotinia fructigena*] of apple. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 157-167. 84 B77
- 10416 BERTELLI, J. C. La "podredumbre de las raicillas" o "tristeza" de los citrus. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 402. Oct. 18, 1945. 9.9 G15B
- 10417 BLAKE, M. A. Stayman apples actually cracked open in 1945. N. J. State Hort. Soc. Hort. News 26: 1752. Nov. 1945. 81 N46
- 10418 BRANDÃO FILHO, J. S. Pragas e doenças da cebola. Agr. e Pecuaria 16(267): 36-38. July 1945. 9.2 Ag89
- 10419 CAMPAGNA, E. Les maladies des pommes de terre. Terre de Chez Nous 18(10): 6, 12. Dec. 5, 1945. 7 T27
- 10420 CHESTER, K. S. How accurately are we estimating plant disease losses? Plant Dis. Rptr. 29: 716-718, processed. Dec. 15, 1945. 1.9 P69P  
Need for a more rational basis of disease loss appraisal of crops.
- 10421 COSTE, A. C. DELLE. Conocimientos actuales sobre las enfermedades del tabaco en el país. Argentina. Inst. de Sanidad Veg. [P.] Ser. 5, v. 1, No. 2, 23 p. Buenos Aires, 1945. 464.9 Ar323P
- 10422 DARLINGTON, C. D. Introduction: the genetic analysis of disease. Ann. Appl. Biol. 32: 276-277. Aug. 1945. 442.8 An72  
Part of a Symposium on the genetical relations of plants and animals to their pests and diseases conducted by the Association of Applied Biologists.
- 10423 DEWEY, R. W. A report on the eelgrass [*Zostera marina*], situation in the Annisquam (Massachusetts) and Mystic (Connecticut) tidalwater rivers in the summer of 1945. Plant Dis. Rptr. 29: 702-704, processed. Nov. 15, 1945. 1.9 P69P  
Disease survey.
- 10424 DOEHLERT, C. A. Infra-red rays and smoke for frost protection to fruit crops. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. (1945) 76: 16-17. 81 Am35C
- 10425 DOUARCHE, L. Protection contre la gelée. B. des Agr. 41(12): 24. Dec. 1945. 7 B872
- 10426 DUPLESSIS, S. J. Control of vine diseases. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 166, 2 p. Pretoria, 1945. 34 So82Pa
- 10427 FIELDS, W. S. Summary of the more important plant diseases taken in connection with the insect and plant disease survey in the general vicinity of ports of entry from January 1945 to June 30, 1945. Plant Dis. Rptr. 29: 693-697, processed. Nov. 15, 1945. 1.9 P69P
- 10428 FLETCHER, D. G. Condition of cereal crops in North-Central States in August. Plant Dis. Rptr. 29: 669-671, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P
- 10429 FLETCHER, D. G. Conditions of cereals in North Central States. Plant Dis. Rptr. 29: 646-648, processed. Aug. 1/15, 1945. 1.9 P69P  
Includes crop damage from diseases.
- 10430 FRIEND, W. H. Protecting citrus trees from low temperatures. Tex. Farming and Citric. 22 (6): 6. Dec. 1945. 80 T31
- 10431 GUI, H. L., SLEESMAN, J. P., and WILSON, J. D. Spray intervals and potato yields. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 104-109. 75.9 Oh3
- 10432 GYLLING, A. Sprøjtning af frugttræer [Spraying of fruit trees]. Haven 45: 83-85. Nov. 1945. 80 H29  
Methods and kind of spray for disease control.

## PATHOLOGY

## General

- 10408 ANDREWS, F. W. The parasitism of *Striga hermonthica* Benth. on *Sorghum* spp. under irrigation. I. Ann. Appl. Biol. 32: 193-200. Aug. 1945. 442.8 An72  
I. Preliminary results and the effect of heavy and light irrigation on *Striga* attack.
- 10409 ARENTSEN S., S. Enfermedades de los citrus en Chile. Simiente 14(3/4): 6-8. 3d and 4th quart. 1945. 9.3 S14
- 10410 ASHTON, J. New corn disease. Farm and Ranch 64(12): 25. Dec. 1945. 6 T31  
Origin unknown; occurs in Lower Rio Grande Valley.
- 10411 ATKINSON, R. E., KREITLOW, K. W., and LEACH, J. G. Diseases of forage crops in West Virginia. Plant Dis. Rptr. 29: 671-673, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P
- 10412 BAILEY, D. L. Canadian plant pathology in retrospect and prospect. Agr. Inst. Rev. 1(1): 41-52. Sept. 1945. 7 Ag8
- 10413 BAIN, F. M. A progress report on the dying of limes. Agr. Soc. Trinidad & Tobago. Proc. 45: 123-149. Apr./June 1945. 8 T73
- 10414 BAINBRIDGE, J. R. Disinfecting flax seed; the Ulster flax doctors and their work. Fibres, Fabrics and Cordage 12: 9-10, 13. Jan. 1945. 304.8 Ir42



- 10433 HARRINGTON, H. D. Some host plants of *Comandra umbellata* in Colorado. *Amer. Midland Nat.* 34: 797-798. Nov. 1945. 410 M58
- 10434 INDIAN CENTRAL COTTON COMMITTEE. Red leaf in American cotton (*G. hirsutum*). *Indian Farming* 6: 469-470. Oct. 1945. 22 In283
- Three types: (1) due to nitrogen deficiency in soil; (2) due to jassid attack; (3) a genetic character.
- 10435 J., N. P. Efteraarsrengoring i frugthaven og i rosenbedet. *Haven* 45: 74. Oct. 1945. 80 H29
- Care of orchards and rosebeds in the fall to prevent diseases and pests.
- 10436 JENKIN, T. J. Diseases and pests at the Welsh Plant Breeding Station, Aberystwyth. *Ann. Appl. Biol.* 32: 281. Aug. 1945. 442.8 An72
- 10437 JOHNSON, J. Infection experiments with detached water-congested leaves. *Phytopathology* 35: 1017-1028. Dec. 1945. 464.8 F56
- Leaves of many plants, including tobacco, were studied for response to infection and disease.
- 10438 KORTEGAARD, J. Efteraarsrengoring. *Haven* 45: 90. Nov. 1945. 80 H29
- Care of the orchard in the fall to prevent diseases and pests.
- 10439 LEHMAN, S. G. Three important foliage diseases of soybean. *Res. and Farming [N. C. Sta.] Prog. Rpt.* 4(1): 4-5. Oct. 1945. 100 N81R
- Bacterial blight, brown spot, and bacterial pustule.
- 10440 LINN, M. B. Preliminary report on the results of experiments in 1945 on vegetable disease control. *Ill. Veg. Growers B.* 5(3, i. e. 4): 3-8. Dec. 1945. 80 IL69
- 10441 MCKAY, R., and CLINCH, P. E. M. Frost injury simulating virus disease symptoms on potato foliage. *Nature [London]* 156: 449-450. Oct. 13, 1945. 472 N21
- 10442 MCKNIGHT, T. Diseases of root crops. *Queensland Agr. J.* 61: 152-158. Sept. 1945. 23 Q33
- 10443 MCLAUGHLIN, J. H. Southern Cooperative Corn Disease Research Committee report for 1945. *Plant Dis. Rptr.* 29: 722-729, processed. Dec. 15, 1945. 1.9 P69P
- 10444 McMARTIN, A. Fungicidal treatments for improving sugarcane stands. *So. African Sugar Technol. Assoc. Proc.* (1945) 19: 48-51. 65.9 So83
- 10446 MILBRATH, D. G. Fall and spring spray schedules for control of diseases in deciduous stone and pome fruits. *Blue Anchor* 22(4): 7, 31-32. Nov. 1945. 286.83 B62
- 10447 OLIVE, L. S. Emergency plant disease prevention. *Amer. Nat.* 80: 36. Jan. 1, 1946. 470 Am36
- Report of the functions of the Emergency Plant Disease Prevention Project in Washington, D. C., from August 1944 to July 1945.
- 10448 PADY, S. M. Diseases of wheat and oats in Kansas. *Plant Dis. Rptr.* 29: 643-646, processed. Aug. 1/15, 1945. 1.9 P69P
- 10449 PARKER, E. R., MIDDLETON, J. T., and VANSELOW, A. P. Neutralizing materials for copper sprays. *Calif. Citrog.* 31(2): 56-60. Dec. 1945. 80 Cl25
- 10450 PENNINGTON, C. What can we do about vanilla root rot? *Rev. de Agr., Indus. y Com. de Puerto Rico* 36: 25-31. Jan./June 1945. 8 R325
- 10451 PORTE, W. S., and WALKER, H. B. A cross between *Lycopersicon esculentum* and disease-resistant *L. peruvianum*. *Phytopathology* 35: 931-933. Nov. 1945. 464.8 F56
- 10452 PRINCE, A. E. Small grain disease surveys in the Carolinas. *Plant Dis. Rptr.* 29: 632-643, processed. Aug. 1/15, 1945. 1.9 P69P
- 10453 SEMENIUK, G., and others. Results of cooperative corn, flax, and soybean seed treatment tests in 1944. *Plant Dis. Rptr. Sup.* 159, p. 203-224, processed. Oct. 15, 1945. 1.9 P69P
- F. J. Greaney, W. B. Allington, G. C. Kent, I. W. Tervet, and B. Koshler, joint authors.
- 10454 SHEWELL-COOPER, W. E. Freezing the blossoms. *Field* 186: 483. Nov. 10, 1945. 10 F45
- 10455 SMITH, C. E., and CHILTON, ST. J. P. Plant pests, and problems. *Home Gard. for South* 5: 229. Dec. 1945. 80 H755
- 10456 SMITH, R. W. Can samples of American beech be preserved in Acadia National Park? *J. Forestry* 43: 900-904. Dec. 1945. 99.8 F768
- Control of the beech scale, *Cryptococcus fagi*, and *Nectria coccinea faginata*.
- 10457 SPERONI, H. A. Afrancamiento de plantas cítricas. *Campo [Buenos Aires]* 29(348): 36. Oct. 1945. 9 C15
- Treatment for citrus affected with tristeza.
- 10458 TOWNSEND, G. R., CASSELL, R. C., and FELIX, E. L. Diseases of vegetable crops in Palm Beach and Broward counties, Florida. *Plant Dis. Rpt.* 29: 704-705, processed. Nov. 15, 1945. 1.9 P69P
- 10459 "TRISTEZA" in South America. *Citrus Leaves* 25: 22-23. Dec. 1945. 80 C492
- 10460 VACHHANI, M. V. Phylloidy of til [*Sesamum orientale*] in relation to date of sowing. *Cur. Sci.* 14: 238. Sept. 1945. 472 Sci23
- Physiological condition, or possibly due to virus.
- 10461 VALLEAU, W. D., JOHNSON, E. M., and DIACHUN, S. Tobacco diseases in Kentucky in 1945. *Plant Dis. Rptr.* 29: 719-722, processed. Dec. 15, 1945. 1.9 P69P
- 10462 WAGER, V. A. Compost and disease. *So. African Sugar Technol. Assoc. Proc.* (1945) 19: 85-88. Ref. 65.9 So83
- Discussion, p. 89-90.
- 10463 WÄCKERLIN, O. Erfahrungen im frostschutz bei reben im frühjahr 1945. *Schweiz. Z. f. Obst- u. Weinbau* 54: 397-399. Oct. 27, 1945. 80 Sch9
- 10464 WALLACE, E. R., and HICKMAN, C. J. The influence of date of lifting and method of storing on loss of onion bulbs harvested in 1943. *Ann. Appl. Biol.* 32: 200-205. Aug. 1945. 442.8 An72
- Losses due to *Botrytis*, eelworm (*Anguillulina dipsaci*) infection, and sprouting.
- 10465 WELCH, J. H. Warnings out against citrus tree enemy. *Tex. Farming and Citric.* 22(6): 10. Dec. 1945. 80 T31
- Tristeza and quick decline.
- 10466 WEST, E. S. Frost risk; heating only protection in severe visitations. *Citrus News* 21: 151. Oct. 31, 1945. 80 C494
- 10467 WESTCOTT, C. Indoor garden enemies. *Home Gard.* 6(6): 77-84. Dec. 1945. 80 H756
- Alphabetical list of house plants with suggestions for disease and insect control.
- 10468 WHITEHEAD, S. B. Winter hygiene in the greenhouse. *Gard. Illus.* 64: 734. Jan. 1946. 80 G169
- Control of fungus diseases and red spider mite (*Tetranychus telarius*).
- 10469 WILSON, J. D. Spray and dust formulas for the control of vegetable diseases in Ohio. *Ohio Veg. and Potato Growers Assoc. Proc.* (1944) 29: 49-58. 75.9 Oh3



10470 YARWOOD, C. E. Apricot diseases in coastal California in 1945. *Plant Dis. Rptr.* 29: 678-680, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P

10471 YOUNG, P. A. Tomato tip blight in Texas, and notes on other disease conditions. *Plant Dis. Rptr.* 29: 706, processed. Nov. 15, 1945. 1.9 P69P  
Tip blight a virosis (*Lethum australiense* var. *lethale*).

#### Diseases Caused by Fungi

10472 ASTHANA, R. P. The influence of chemical manures upon "white rot" of *Allium*. *Indian Acad. Sci. Proc. Sect. B* 22: 168-174. Sept. 1945. Ref. 513 In25B

*Sclerotium cepivorum* on onions.

10473 BAGCHEE, K. D. The blister rust menace on chir [*Pinus roxburghii*] in Kumaon. *Indian Forester* 70: 323-325. Oct. 1944. 99.8 In2

*Cronartium himalayense* n. sp. also on *Swertia*.

10474 BELLINGRATH, W. D. Controlling azalea petal blight [*Ovulinia azaleae*]. *Home Gard. for South* 5: 224. Dec. 1945. 80 H755

10475 BJÖRLING, K. Styälkröta på betfröplantor ett förstadium till betrotbranden. *Försök och Forskning* 2: 142. Sept. 1945. 11 F77

A fungus disease of forage plants caused by *Phoma betae*.

10476 BLACK, W. Inheritance of resistance to blight [*Phytophthora infestans*] in potatoes. *Ann. Appl. Biol.* 32: 279-280. Aug. 1945. 442.8 An72

Part of a Symposium on the genetical relations of plants and animals to their pests and diseases conducted by the Association of Applied Biologists.

10477 BOOER, J. R. Experiments on the control of white rot (*Sclerotium cepivorum* Berk.) in onions. *Ann. Appl. Biol.* 32: 210-213. Aug. 1945. 442.8 An72

10478 BUCHHOLZ, W. F. Control of leaf curl and "pockets" of the sand cherry. *S. Dak. State Hort. Soc. Ann. Rpt.* (1945) 42: 37-38. 81 So86  
Caused by *Taphrina*.

10479 BURRELL, A. B. Apple scab and its control. *Amer. Fruit Grower* 66: 10-11, 30, 39-41, 49. Jan. 1946. 80 G85

10480 CARPENTER, C. W. *Fusarium* disease of prickly pear. *Cactus and Succulent J.* 17: 169. Dec. 1945. 451 C11  
Control measure.

10481 CHOWDHURY, S. Diseases of pan (Piper beetle) in Sylhet, Assam. V-VI. *Indian Acad. Sci. Proc. Sect. B* 22: 175-187, 188-190. Sept. 1945. Ref. 513 In25B  
V. Sclerotial wilt [*Sclerotium rolfsii*]. VI. Gloeosporium leaf spot.

10482 COLEOUN, J. The effect of boron on the development of flax rust. *Gard. Chron.* 118: 191. Nov. 3, 1945. 80 G162

10483 CROXALL, H. E. The effects of copper sprays on marketable yield and storage rots of outdoor tomatoes. *Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt.* 1944: 161-166. 84 B77

10484 DU PLESSIS, S. J. Measures to protect the health of vines; treatments against anthracnose and oidium. *Farmer's Weekly [Pietermaritzburg]* 70: 651. Nov. 21, 1945. 24 F225

10485 EDDINS, A. H. Transmission and spread of late blight in seed potatoes. *Amer. Potato J.* 22: 333-339. Nov. 1945. Ref. 75.8 P842

10486 FENNE, S. B. Control of tobacco blackshank. *South. Planter* 106(12): 18-19. Dec. 1945. 6 So89  
*Phytophthora nicotianae*.

10487 FOISTER, C. E., WILSON, A. R., and MOYD, A. E. W. Control of dry rot [*Fusarium coeruleum*], of seed potatoes by dusting. *Nature [London]* 156: 394. Sept. 29, 1945. 472 N21

10488 FORSBERG, J. L., and BOEWE, G. H. Violet scab [*Sphaceloma violae*], found in Illinois for the first time. *Plant Dis. Rptr.* 29: 680, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P

10489 GODFREY, G. H. Onion leaf "blight" reduced by spraying. *Plant Dis. Rptr.* 29: 652-654, processed. Aug. 1/15, 1945. 1.9 P69P  
*Macrosporium porri*.

10490 GRAVATT, G. F., and CRANDALL, B. S. The *Phytophthora cinnamomi*, root disease of chestnut and chinquapin. *North. Nut Growers Assoc. Ann. Rpt.* (1944) 35: 83-87. 1945. 94.69 N81

Ga. State School of Forestry cooperating.

10491 GUYOMARD, L. Sur le mode de contamination du poirier par les conidiés de *Venturia pirina* Aderhold. *Paris. Acad. des Sci. Compt. Rend.* 220: 858-860. June 1945. 505 P21

10492 HOWARD, E. Protection found for azaleas. *Better Homes & Gardens* 24: 74. Jan. 1946. 80 F9424  
Dithane D-14 and Phygon sprays as a protection against *Ovulinia azaleae*.

10493 JENKINS, A. E. Saint-Hilaire's records of damage from wheat rust in Brazil. *Chron. Bot.* 9: 147-150. Autumn 1945. 450 C46

10494 KOEHLER, B. Take-all disease on rye and wheat in Illinois. *Plant Dis. Rptr.* 29: 649, processed. Aug. 1/15, 1945. 1.9 P69P  
*Ophiobolus graminis*.

10495 LE BEAU, F. J. Systemic invasion of cabbage seedlings by the downy mildew fungus [*Peronospora parasitica*]. *J. Agr. Res.* 71: 453-463. Nov. 15, 1945. 1 Ag84J

10496 LING, L. Epidemiology studies on stripe rust [*Puccinia glumarum*] of wheat in Chengtu plain, China. *Phytopathology* 35: 885-894. Nov. 1945. Ref. 464.8 P56

10497 MCCLELLAN, W. D. Pathogenicity of the vascular *Fusarium* of gladiolus to some additional iridaceous plants. *Phytopathology* 35: 921-930. Nov. 1945. Ref. 464.8 P56

10498 MARSH, R. W., and DICKINSON, D. The control of black currant leaf spot by dithiocarbamate sprays and the effects of spray residues on the canned fruit. *Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt.* 1944: 150-157. 84 B77

10499 MELCHERS, L. E. The outcome of the late blight of potato epidemic in Kansas. *Plant Dis. Rptr.* 29: 673-674, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P

10500 MEREDITH, W. O. S. Smutty wheat increases. *Seedtime & Harvest*, No. 136, 1 p. Winnipeg, 1945. 7 Se3

10501 MICCIO PERALTA, L. R. El carbón duro en cebada y trigo; perjuicios economicos y métodos para combatirlo. *Res* 13: 17875-17876. Aug. 20, 1945. 286.85 R31

*Ustilago hordei* and *Tilletia tritici*.

10502 MILBRATH, J. A. Black mold disease of *Manetti* rootstock. *Amer. Nurseryman* 83: 5-6. Jan. 1946. 80 Am371

*Chalaropsis thielavioides* on rose rootstocks.

10503 MILLER, J. J. Studies on the *Fusarium* of muskmelon wilt. II. Infection studies concerning the host range of the organism and the effect of environment on disease incidence. *Canad. J. Res.* 23: 166-187. Oct. 1945. 470 C16C

10504 MILLIKAN, C. R. Damping off disease [*Pythium* sp.] of flax. *Fibres, Fabrics and Cordage* 12: 415-416, 425. Oct. 1945. 304.8 Ir42

10505 MIX, A. J. *Aphanomyces* rootrot of lettuce, pepper, and eggplant seedlings in northern New Jersey. *Plant Dis. Rptr.* 29: 649-650, processed. Aug. 1/15, 1945. 1.9 P69P



- 10506 MOORE, W. D., and REYNARD, G. B. Varietal resistance of tomato seedlings to the stem-lesion phase of *Alternaria solani*. *Phytopathology* 35: 933-935. Nov. 1945. 464.8 P56
- 10507 MUWICA R., A. La peste ceniza u oidio [*Erysiphe cichoracearum*] de las cucurbitáceas. *Simiente* 14(3/4): 25. 3rd and 4th quart. 1945. 9.3 S14
- 10508 MUSKETT, A. E., and COLHOUN, J. Control of foot rot (*Phoma* sp.) of flax. *Nature* [London] 156: 538-539. Nov. 3, 1945. 472 N21
- 10509 NEATBY, K. W. Smut diseases of wheat, oats and barley; identification and control. *Line Elevators Farm Serv. B.* 7, 15 p. Winnipeg, 1945. 7 N812
- 10510 NIEDERHAUSER, J. S. Control of lettuce gray mold with thiosan. *Plant Dis. Rptr.* 29: 650-652, processed. Aug. 1/15, 1945. 1.9 P69P
- 10511 NIETO SOTO, L. A. Control de la "lanchar" o "gota serena" [*Phytophthora infestans*] de las patatas y el tomate. *Semenera* 2(3): 19-20. Sept. 1945. 9.5 Se5
- 10512 ORJUELA NAVARRETE, J. E. El mildew polvoso [*Ovulariopsis gossypii*] del algodón en Colombia. *Agr. Trop.* 1(9): 51-56. Oct. 1945. 26 Ag8
- 10513 ORTIZ GARMENDIA, J. La enfermedad [*Ascochyta chirimoliae*] del cambium en chirimoyas. *Simiente* 14(3/4): 38. 3rd and 4th quart. 1945. 9.3 S14
- 10514 PRASAD, N. Long smut [*Tolyposporium ehrenbergii*] of sorghum - method of infection. *Cur. Sci.* 14: 239. Sept. 1945. 475 Sci23
- 10515 PRINCE, A. E. Stem rust [*Puccinia graminis*] in North and South Carolina. *Plant Dis. Rptr.* 29: 631-632, processed. Aug. 1/15, 1945. 1.9 P69P
- Survey of cereal diseases during April, May and June 1945.
- 10516 RANGEL, J. F. Two *Alternaria* diseases of cruciferous plants. *Phytopathology* 35: 1002-1007. Dec. 1945. 464.8 P56
- A. brassicae and A. hercules.
- 10517 REDDICK, D., and PETERSON, L. C. Empire--a blight resistant variety. *Amer. Potato J.* 22: 357-362. Dec. 1945. 75.8 P842
- 10518 RODENHISER, H. A., and HOLTON, C. S. Distribution of races of *Tilletia caries* and *Tilletia foetida* and their relative virulence on certain varieties and selections of wheat. *Phytopathology* 35: 955-969. Dec. 1945. Ref. 464.8 P56
- 10519 ROUMAIN, P., and PIERRE-LOUIS, F. Le problème de la pourriture du bourgeon terminal ou "bud rot" du cocotier en Haïti. *Rev. Agr. d'Haïti*, No. 1, p. 10-16. 1945. 8 R324L
- 10520 SANSOM, R. W. Outbreak of late blight on canning tomatoes in Indiana. *Plant Dis. Rptr.* 29: 674-675, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P
- 10521 SEYMOUR, E. L. D. They said it couldn't be done. *Amer. Home* 35: 48, 50, 51. Jan. 1946. 80 Am313
- Cynthia Westcott's work on azalea blight in South Carolina.
- 10522 SMALL, T. Black scurf and stem canker of potato (*Corticium solani* Bourd. & Galz.). Further field studies on the use of clean and contaminated seed potatoes and on the contamination of crop tubers. *Ann. Appl. Biol.* 32: 206-209. Aug. 1945. 442.8 An72
- 10523 STEVENSON, J. A. Ferns and fungi. *Amer. Fern J.* 35: 97-104. Oct./Dec. 1945. 450 Am35
- Fungus diseases.
- 10524 TAPKE, V. F. New physiologic races of *Ustilago hordei*. *Phytopathology* 35: 970-976. Dec. 1945. 464.8 P56
- 10525 THOROLD, C. A. Observations on a trial of trees as shade for cacao. *Trop. Agr. [Trinidad]* 22: 203-206. Nov. 1945. 26 T754
- 15 species described and resistance to *Calostilbe striispora* discussed.
- 10526 TISDALE, H. B. How to grow more cotton on each acre. *This Month in Rural Ala.*, Dec. 1945, p. 8. 6 T34
- Control of wilt.
- 10527 TYLER, L. J. Dwarf bunt of winter wheat in New York. *Plant Dis. Rptr.* 29: 668-669, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P
- 10528 URQUIJO, P. Nuevas investigaciones sobre la enfermedad de la "tinta" del castaño. Spain. *Estac. de Fitopat. Agr. B. de Patol. Veg. y Ent.* Agr. 11: 13-42. 1942. 464.9 M26
- Phytophthora cambivora*.
- 10529 VAUGHAN, E. K., and TAYLOR, A. L. Southern blight of the pimiento. *Plant Dis. Rptr.* 29: 675-676, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P
- 10530 VOLOSKEY YADLIN, E. Obtención de resistencia a la "marchitez del ají." *Simiente* 14(3/4): 19-33. 3rd and 4th quart. 1945. 9.3 S14
- Fusarium* on redpepper.
- 10531 WAGER, V. A. Disease of citrus which is spreading through the Union. *Farmer* [Piettermaritzburg] 34(42): 12-14. Oct. 19, 1945. 24 F227
- Black spot fungus, *Phoma citricarpa*.
- 10532 WALKER, J. C. Plant nutrition in relation to disease development. II. Cabbage clubroot. *Amer. J. Bot.* 32: 487-490. Oct. 1945. 450 Am36
- 10533 WATERHOUSE, W. L. Flax rust in Australia. *Fibres, Fabrics and Cordage* 12: 408-409. Oct. 1945. 304.8 Ir42
- 10534 WATERHOUSE, W. L., and WATSON, I. A. Further determinations of specialisation in flax rust caused by *Melampsora lini* (Pers.) Lévl. *Roy. Soc. N. S. Wales, J. and Proc.* 77: 138-144. Oct. 6, 1944. 514 Sy24
- 10535 WESTON, W. A. R. D. Bean rot [*Sclerotinia trifoliorum*]. *Gt. Brit. Min. Agr. Agriculture* 52: 425. Dec. 1945. 10 G79J
- 10536 WHITEHEAD, S. B. Control of club root. *Gard. Chron.* 119: 9-10. Jan. 9, 1946. 80 G162
- 10537 WILHELM, S., GUENSCH, W., and BAKER, K. F. *Myrothecium* crown and stem canker of greenhouse snapdragons in Colorado. *Plant Dis. Rptr.* 29: 700-702, processed. Nov. 15, 1945. 1.9 P69P
- 10538 YARWOOD, C. E. Copper sulphate as an eradicant spray for powdery mildews. *Phytopathology* 35: 895-909. Nov. 1945. Ref. 464.8 P56
- 10539 YARWOOD, C. E. Unreported powdery mildews II. *Plant Dis. Rptr.* 29: 698-699, processed. Nov. 15, 1945. 1.9 P69P
- 10540 YIN, S. Y. Notes on physiologic specialization in *Puccinia graminis tritici* Erikss. and Henn. in China. *Phytopathology* 35: 939-940. Nov. 1945. 464.8 P56
- 10541 YU, T. F., and others. Preliminary studies on physiologic specialization in *Tilletia tritici* and *T. levis* in China. *Phytopathology* 35: 879-884. Nov. 1945. Ref. 464.8 P56
- H. R. Wang, C. T. Fang, and S. Y. Yin, joint authors.
- 10542 YU, T. F. The red-spot disease of broad beans (*Vicia faba* L.) caused by *Botrytis fabae* Sardinia in China. *Phytopathology* 35: 945-954. Dec. 1945. Ref. 464.8 P56



Diseases Caused by Bacteria

- 10543 AMARAL, J. F. DO. Doenças vasculares das plantas causadas por bactérias. *Biológico* 11: 250-253. Sept. 1945. 442.8 B529
- 10544 BHAT, J. V., and FERNANDES, F. A note on the occurrence of *Alcaligenes radiobacter* in the aerial roots of *Phoenix sylvestris*. *Cur. Sci.* 14: 264-265. Oct. 1945. 475 Sci23
- 10545 BOHN, G. W., and MALOIT, J. C. Inoculation experiments with *Pseudomonas ribicola* on *Ribes aureum*. *Phytopathology* 35: 1008-1016. Dec. 1945. 464.8 P56
- 10546 ING, E. G. Bacterial canker and wilt of plums and cherries. *Worcestershire Agr. Chron.* 13: 203, 205, 207. Aug. 1945. 10 W892
- 10547 ROBBS, C. F. Contribuição ao estudo de uma bacteriose em *Stapelia variegata* L. *Soc. Bras. de Agron. B.* 7: 407-414. Dec. 1944. 9.2 Sol3  
A probable strain of *Erwinia aroideae*.
- 10548 SMITH, C. O., and KLOTZ, L. J. A more virulent black pit organism [*Phytoplasma syringae*] on citrus. *Phytopathology* 35: 942-943. Nov. 1945. 464.8 P56
- 10549 WALLIN, J. R., and REDDY, C. S. A bacterial streak disease of *Phleum pratense* L. *Phytopathology* 35: 937-939. Nov. 1945. 464.8 P56  
*Xanthomonas translucens phleipratense* n. var.

Viruses and Virus Diseases

- 10550 BEALL, G. The cause of purple-top of potatoes, as indicated by a study of its distribution within fields. *Amer. Potato J.* 22: 362-372. Dec. 1945. 75.8 P842
- 10551 BENNETT, C. W., and others. The Argentine curly top of sugar beet. *J. Agr. Res.* 72: 19-48. Jan. 1, 1946. Ref. 1 Ag84J  
E. Carsner, G. H. Coons, and E. W. Brandes, joint authors.  
Proposed name of Argentine virus, *Ruga verrucosans* distans.
- 10552 BEST, R. J. On the rate of inactivation of tobacco mosaic virus by potassium salicylate. *Austral. J. Expt. Biol. and Med. Sci.* 23: 221-226. Sept. 1945. 442.8 Au7
- 10553 BOTELHO, J. Mosaico. *Brasil Açucareiro* 26: 200-203. Aug. 1945. 65.8 B73
- 10554 COCKEHAM, G. Some genetical aspects of resistance to potato viruses. *Ann. Appl. Biol.* 32: 280-281. Aug. 1945. 442.8 An72  
Part of a symposium on the genetical relations of plants and animals to their pests and diseases, conducted by the Association of Applied Biologists.
- 10555 COSTA, A. S. The relationship between American tobacco streak and Brazilian "Necrose Branca" or "Couve." *Phytopathology* 35: 1029-1030. Dec. 1945. 464.8 P56
- 10556 DOOLITTLE, S. P. The virus diseases affecting tomatoes and cucumbers in the greenhouse. *Ohio Veg. and Potato Growers Assoc. Proc.* (1944) 29: 138-152. 75.9 Oh3
- 10557 DOOLITTLE, S. P. Virus diseases affecting vegetable crops in the field. *Ohio Veg. and Potato Growers Assoc. Proc.* (1944) 29: 80-90. 75.9 Oh3
- 10558 GOENAGA, A. Una interesante enfermedad [mosaic] del tabaco en Puerto Rico. *Puerto Rico. Dept. de Agr. y Com. B. Mens.* 4(1): 1-2, 4-8. Oct. 1945. 8 P963
- 10559 HEWITT, W. B. A graft-transmissible mosaic disease of grapevine. *Phytopathology* 35: 940-942. Nov. 1945. 464.8 P56
- 10560 KALNUS, H., and KASSANIS, B. The use of abrasives in the transmission of plant viruses. *Ann. Appl. Biol.* 32: 230-234. Aug. 1945. 442.8 An72

- 10561 LARSE, H. W. Elm phloem necrosis in Arkansas and Oklahoma. *Plant Dis. Rptr.* 29: 699-700, processed. Nov. 15, 1945. 1.9 P69P
- 10562 LARSON, R. H. Resistance in potato varieties to yellow dwarf. *J. Agr. Res.* 71: 441-451. Nov. 15, 1945. 1 Ag84J
- 10563 LOTT, T. B. "Lambert mottle," a transmissible disease of sweet cherry. *Sci. Agr.* 25: 776-779. Aug. 1945. 7 Sci2
- 10564 M., W. W. A new development in the study of cardamom mosaic. *Planters' Chron.* 40: 282. Sept. 15, 1945. 22 P693  
Transmitted by aphids.
- 10565 NUSBAUM, C. J. A preliminary report on internal cork, a probable virus disease of sweet-potato. *Plant Dis. Rptr.* 29: 677-678, processed. Sept. 15/Oct. 15, 1945. 1.9 P69P
- 10566 PRICE, W. C. Accuracy of the local-lesion method for measuring virus activity. IV. Southern bean mosaic virus. *Amer. J. Bot.* 32: 613-619. Dec. 1945. 450 Am36
- 10567 RICHARDSON, B. L., and RHOADS, A. S. Peach mosaic in Utah. *Farm & Home Sci. [Utah Sta.]* 6(4): 5-6, 12-13. Dec. 1945. 100 UtlF
- 10568 STUART, G. M. Yellow dwarf virus on shallots. *Gard. Chron.* 118: 201. Nov. 10, 1945. 80 G162
- 10569 VASUDEVA, R. S., and PAVGI, M. S. Seed transmission of melon mosaic virus. *Cur. Sci.* 14: 271-272. Oct. 1945. 475 Sci23
- 10570 WILLISON, R. S. A line-pattern virosis of Shiro plum. *Phytopathology* 35: 991-1001. Dec. 1945. Ref. 464.8 P56

Diseases Caused by Nematodes

- 10571 BLODGETT, E. C. Potato industry opens war on nematodes. *Idaho Farmer* 64: 3, 21. Jan. 3, 1946. 6 G282
- 10572 BUCKKURST, C. D. Hot water treatment of chrysanthemums for nematode control. *Gard. Chron.* 118: 211. Nov. 17, 1945. 80 G162
- 10573 ELLENBY, C. Control of the potato-root eelworm, *Heterodera rostochiensis* Wollenweber, by allyl isothiocyanate, the mustard oil of *Brassica nigra* L. *Ann. Appl. Biol.* 32: 237-239. Aug. 1945. 442.8 An72
- 10574 GOODEY, T. Bloat or eelworm disease [*Anguillulina dipsaci*] of onions: recent investigations. *Ann. Appl. Biol.* 32: 261-262. Aug. 1945. 442.8 An72
- 10575 GOODEY, T. Calomel and onion eelworm. *Nature [London]* 156: 393-394. Sept. 29, 1945. 472 N21
- 10576 GOODEY, T. Further observations on *Anguillulina dipsaci* infestation of the onion scape and inflorescence. *J. Helminthol.* 21: 60-68. 1945. 436.8 J82
- 10577 MILES, H. W., and MILES, M. Potato-root eelworm in Worcestershire. *Worcestershire Agr. Chron.* 13: 129, 131, 133, 135. May 1945. 10 W892
- 10578 STEINER, G. Meadow nematodes [*Pratylenchus*] as the cause of root destruction. *Phytopathology* 35: 935-937. Nov. 1945. 464.8 P56

ECOLOGY

- 10579 BEARD, J. S. The progress of plant succession on the Soufrière of St. Vincent. *J. Ecol.* 33: 1-9. Oct. 1945. 450 J829
- 10580 BOLANOS, M. M. El diente y el hacha en la vida de plantas. *Montes* 1: 205-208. July/Aug. 1945. 99.8 M763  
An ecological study.

- 10581 BOYKO, H. On the need of an international network of plant-sociological stations. *Chron. Bot.* 9: 85-88. Autumn 1945. 450 C46
- 10582 BUELL, M. F. Jerome Bog, a peat-filled "Carolina bay." *Torrey Bot. Club. B.* 73: 24-33. Jan./Feb. 1946. Ref. 451 T63B
- 10583 CAIN, S. A. Pic La Rhune. *Sci. Monthly* 61: 421-425. Dec. 1945. 470 Sci23  
An ecological study.
- 10584 CAUGHEY, M. G. Water relations of pocosin or bog shrubs. *Plant Physiol.* 20: 671-689. Oct. 1945. 450 P692  
A physiological and ecological study of a swamp in Beaufort Co., N. C.
- 10585 CHAPMAN, V. J., and others. Need for development of tropical ecological studies. *Nature* [London] 156: 627-628. Nov. 24, 1945. 472 N21  
C. O. Flemmich, A. L. Griffith, J. L. Harley, R. Hobbs, C. H. Holmes, C. de Rosayro, and J. Wyatt-Smith, joint authors.
- 10586 ERICKSON, R. O. The *Clematis fremontii* var. *richii* population in the Ozarks. *Mo. Bot. Gard. Ann.* 32: 413-459. Nov. 1945. 451 M69
- 10587 HASKELL, H. S. Successional trends on a conservatively grazed desert grassland range. *Amer. Soc. Agron. J.* 37: 978-990. Dec. 1945. 4 Am34
- 10588 JENKINS, D. W. Use of the airplane in vegetation surveys. *Ecology* 26: 413-414. Oct. 1945. 410 Ec7
- 10589 JOHNSON, W. M. Natural revegetation of abandoned crop land in the ponderosa pine zone of the Pike's Peak region in Colorado. *Ecology* 26: 363-374. Oct. 1945. 410 Ec7
- 10590 JONES, E. W. The regeneration of Douglas fir, *Pseudotsuga taxifolia* Britt., in the New Forest. *J. Ecol.* 33: 44-56. Oct. 1945. 450 J829  
In western Hampshire, England.
- 10591 LEMON, P. C. Wood as a substratum for perennial plants in the Southeast. *Amer. Midland Nat.* 34: 744-749. Nov. 1945. 410 M58  
An ecological study.
- 10592 NAIR, K. N. R. A sin-ecological study of the forests of Mayurbhanj. *Indian Forester* 70: 257-259. Aug. 1944. 99.8 In2
- 10593 PENFOUND, W. T. The spring phenology of plants in and around the reservoirs in north Alabama with particular reference to malaria control. *Ecology* 26: 332-352. Oct. 1945. 410 Ec7  
Herbaceous plants, woody plants, indicators of larval production.
- 10594 POLUNIN, N. Plant life in Kongsfjord, West Spitsbergen. *J. Ecol.* 33: 82-108. Oct. 1945. 450 J929
- 10595 RAUP, H. M. Phytogeographic studies in the Athabaska-Great Slave Lake region II. *Arnold Arboretum. J.* 27: 1-85. Jan. 1946. Ref. 451 Ar6J
- 10596 ROCHA, N. DA. Sobre as zonas agro-ecológicas do Nordeste. *Pernambuco Sec. de Agr., Indús. e Com. B.* 12: 88-96. Apr./June 1945. 9.2 P423
- 10597 SCHULTES, R. E. Glimpses of the little known Apaporis River in Colombia. *Chron. Bot.* 9: 123-127. Autumn 1945. 450 C46  
An ecological study.
- 10598 SUKACHEV, V. N. Biogeocoenology and phytocoenology. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 429-431. May 30, 1945. 511 P444
- 10599 THOMAS, A. S. The vegetation of some hillsides in Uganda. Illustrations of human influence in tropical ecology. *J. Ecol.* 33: 10-43. Oct. 1945. 450 J829
- 10600 THOMAS, R. À propos de l'indice de l'aridité. *B. Agr. du Congo Belge* 35: 166-181. Mar./Dec. 1944. 24 K83  
An ecological study.
- 10601 WARNER, R. M. Relation of vegetative cover to the plant growth conditions of eroded soils. *Iowa State Col. J. Sci.* 20: 101-153. Oct. 1945. Ref. 470 Io9
- 10602 WILLIS, J. H. Among Alpine flowers on the Barry mountains, Cobbler, Stirling and Buller. *Vic-torian Nat.* 62: 111-118. (To be cont.) Nov. 1945. 410 V66

## MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 10603 ANDERSON, E. G., and RANDOLPH, L. F. Location of the centromeres on the linkage maps of maize. *Genetics* 30: 518-526. Nov. 1945. Ref. 442.8 G28
- 10604 BAYLOR, M. B., and others. Some morphological characteristics of nodule bacteria as shown by the electron microscope. II. *J. Bact.* 50: 249-256. Sept. 1945. 448.3 J82  
M. D. Appleman, O. H. Sears, and G. L. Clark, joint authors.
- Strains of *Rhizobium leguminosarum* grown as stock culture compared with freshly isolated strains.
- 10605 BOSCH, M. Cytologie des zoospores de *Plasmopara viticola* Berl. et de Toni. *Paris Acad. des Sci. Compt. Rend.* 220: 407-410. Mar. 19, 1945. 505 P21
- 10606 CASTRONOVO, A. Estudio cariológico de doce especies de leguminosas argentinas. *Darwiniana* 7: 38-57. Oct. 1945. Ref. 450 D25
- 10607 CHADEFAUD, M. Caractères cytologiques remarquables d'une *epiogyne*. *Paris Acad. des Sci. Compt. Rend.* 220: 463-465. Mar. 26, 1945. 505 P21
- 10608 CHRYSLER, M. A. The shoot of *Botrychium* interpreted as a series of dichotomies. *Torrey Bot. Club. B.* 72: 491-505. Nov. 1945. 451 T63B
- 10609 COOK, M. T. Species of *Synchytrium* in Louisiana. III. The development and structure of the galls. *Mycologia* 37: 715-740. Nov./Dec. 1945. 450 M99
- 10610 CROVETTO, E. M. Nuevas casos teratológicas en gramíneas. *Darwiniana* 7: 91-102. Oct. 1945. Ref. 450 D25
- 10611 DUNCAN, R. E. Production of variable aneuploid numbers of chromosomes within the root tips of *Papilionedilum wardii*. *Amer. J. Bot.* 32: 506-509. Oct. 1945. Ref. 450 Am36
- 10612 FAIRBAIRN, J. W. Cardamom: further numerical studies of its sclerenchymatous layer. *Q. J. Pharm. and Pharmacol.* 18: 207-214. July/Sept. 1945. 396.8 Q2
- 10613 FAIRBAIRN, J. W. Cardamom: structural and numerical features of the testa. *Q. J. Pharm. and Pharmacol.* 18: 214-227. July/Sept. 1945. 396.8 Q2
- 10614 FOSTER, A. S. Origin and development of sclereids in the foliage leaf of *Trochodendron aralioides* Sieb. & Zucc. *Amer. J. Bot.* 32: 456-468. Oct. 1945. Ref. 450 Am36
- 10615 GAVIO, H. S. Anomalias en el androceo del seibo (*Erythrina crista-galli* L.). *Darwiniana* 7: 113-116. Oct. 1945. 450 D25
- 10616 GOODSPEED, T. H. Cytotaxonomy of *Nicotiana*. *Bot. Rev.* 11: 533-592. Dec. 1945. 450 B6527  
References, 585-592.
- 10617 HANSON, A. M. A morphological, developmental, and cytological study of four saprophytic chytrids. II. *Rhizoglyphum coronum* Hanson. *Amer. J. Bot.* 32: 479-487. Oct. 1945. Ref. 450 Am36
- 10618 HEIM, R. Sur les racines aériennes de *Phalaenopsis schilleriana* Rehb. *Paris Acad. des Sci. Compt. Rend.* 220: 365-367. Mar. 12, 1945. 505 P21
- 10619 HUTCHINSON, J. B., STEPHENS, S. G., and DODDS, E. S. The seed hairs of *Gossypium*. *Ann. Bot. [London] (n. s.)* 9: 361-367. Oct. 1945. 450 An7



- 10620 JAEGER, P. Observations sur la fleur du *Pistia stratiotes* L. Paris Acad. des Sci. Compt. Rend. 220: 467-469. Mar. 26, 1945. 505 P21
- 10621 JOHANSEN, D. A. Classification of the types of angiospermic embryo development. Chron. Bot. 9: 139-140. Autumn 1945. 450 C46
- 10622 KARLING, J. S. Brazilian chytrids. VII. Observations relative to sexuality in two new species of *Siphonaria*. Amer. J. Bot. 32: 580-587. Nov. 1945. 450 Am36  
New spp.: *S. petersenii* and *S. sparrowii*.
- 10623 KHANNA, L. P. Abnormal flowers of *Dolichos lablab*. Bombay Nat. Hist. Soc. J. 45: 443. Sept. 1945. 513 B63
- 10624 KRISS, A. E., RUKINA, E. A., and ISAEV, B. M. Issledovaniia stroeniia aktinomitsetov s pomoshch'iu elektronogo mikroskopa (Electron microscopic studies on the structure of Actinomycetes). Mikrobiologiya 14: 172-176. 1945. Ref. 448.3 M582  
English summary.
- 10625 LINDEGREN, C. C. An analysis of the mechanism of budding in yeasts and some observations on the structure of the yeast cell. Mycologia 37: 767-780. Nov./Dec. 1945. 450 M99
- 10626 LOVE, R. M., and SUNESON, C. A. Cytogenetics of certain *Triticum-Agropyron* hybrids and their fertile derivatives. Amer. J. Bot. 32: 451-456. Oct. 1945. Ref. 450 Am35
- 10627 MCCLINTOCK, B. Neurospora. I. Preliminary observations of the chromosomes of *Neurospora crassa*. Amer. J. Bot. 32: 671-678. Dec. 1945. 450 Am36
- 10628 MILLER, H. A., and WETMORE, R. H. Studies in the developmental anatomy of *Phlox drummondii* Hook. Amer. J. Bot. 32: 588-598, 628-634. Nov., Dec. 1945. 450 Am36  
I. The embryo. II. The seedling.
- 10629 O'HANLON, SISTER M. E. Leaf form and variation: Bignoniaceae. Chicago Nat. 8: 54-60. Nov. 1945. 410 C43
- 10630 PURI, G. S. Some abnormal pollen grains of *Pinus excelsa* Wall. Cur. Sci. 14: 255-256. Oct. 1945. 475 Sci23
- 10631 RANDALL, T. E., and RICK, C. M. A cytogenetic study of polyembryony in *Asparagus officinalis* L. Amer. J. Bot. 32: 560-569. Nov. 1945. Ref. 450 Am36
- 10632 SHIMOYA, C. Observações citológicas em *chaulmoogra* [Taraktogenos kurzii]. Rev. Ceres 6: 76-81. Nov./Dec. 1945. 9.2 C332
- 10633 SINGH, B. An anatomical study of *Tiliacora acuminata* Miers. Indian Bot. Soc. J. 24: 135-146. Aug. 1945. 450 J821
- 10634 SOUÈGES, R. Embryogénie des balsaminacées. Développement de l'embryon chez l'*Impatiens balfourii* Hook. Paris. Acad. des Sci. Compt. Rend. 220: 837-840. June 1945. 505 P21
- 10635 SOUÈGES, R. Embryogénie des polémoniacées. Développement de l'embryon chez le *Polemonium pauciflorum* Wats. Paris. Acad. des Sci. Compt. Rend. 220: 897-900. June 1945. 505 P21
- 10636 SREENIVASAN, P. S. Some abnormalities in cotton grown under constant levels in pots. Cur. Sci. 14: 238-239. Sept. 1945. 475 Sci23
- 10637 SWAMY, B. G. L. On carpel. Cur. Sci. 14: 258-259. Oct. 1945. 475 Sci23  
Theories of Goethe and others regarding the development of flowers in angiosperms.
- 10638 TORTORELLI, L. A. La disposición estratificada de los elementos leñosos en el ibira-ita (*Muellera glaziovii*). Darwiniana 7: 58-61. Oct. 1945. 450 D25
- 10639 VENKATASUBBAN, K. R. Cytological studies in *Palmae*. I. Chromosome numbers in a few species of palms of British India and Ceylon. Indian Acad. Sci. Proc. Sect. B 22: 193-207. Sept. 1945. Ref. 513 In25B
- 10640 VENNING, F. D. Accessory vascular bundles in *Murraya koenigii* (Linn.) Spreng. (Rutaceae: Aurantioideae). Wash. Acad. Sci. J. 35: 352-356. Nov. 15, 1945. Ref. 500 W276J
- 10641 WARDLAW, C. W. Experimental and analytical studies of pteridophytes. VI. Stelar morphology: the occurrence of reduced and discontinuous vascular systems in the rhizome of *Onoclea sensibilis*. Ann. Bot. [London] (n. s.) 9: 383-397. Oct. 1945. 450 An7
- 10642 WRIGHT, J. W. Influence of size and portion of cone on seed weight in eastern white pine [*Pinus strobus*]. J. Forestry 43: 817-819. Nov. 1945. 99.8 F768

## GENETICS

- 10643 ATWOOD, S. S. The behavior of the self-compatibility factor and its relation to breeding methods in *Trifolium repens*. Amer. Soc. Agron. J. 37: 991-1004. Dec. 1945. 4 Am34
- 10644 BEADLE, G. W. Genetics and metabolism in *Neurospora*. Physiol. Revs. 25: 643-663. Oct. 1945. 447.8 P563
- 10645 BLAKESLEE, A. F. Removing some barriers to crossability in plants. Amer. Phil. Soc. Proc. 89: 561-574. Dec. 10, 1945. 500 P533
- 10646 BUSTARRET, J. Variétés et variations. Ann. Agron. [Paris] (n. s.) 14: 336-362. July/Sept. 1944. 14 An75A  
Understanding of the varietal nature of plant material necessary for selection and breeding.
- 10647 CHILTON, ST. J. P., LUCAS, G. B., and EDGERTON, C. W. Genetics of *Glomerella*. III. Crosses with a conidial strain. Amer. J. Bot. 32: 549-554. Nov. 1945. 450 Am36
- 10648 DODGE, B. O., SCHMITT, M. B., and APPEL, A. Inheritance of factors involved in one type of heterocarpic vigor. Amer. Phil. Soc. Proc. 89: 575-589. Dec. 10, 1945. 500 P533  
Experiments with *Neurospora tetrasperma*.
- 10649 ILTIS, H. Bud-mutations in the marigold. J. Hered. 36: 291-295. Oct. 1945. 442.8 Am3
- 10650 JONES, D. F. Heterosis resulting from degenerative changes. Genetics 30: 527-542. Nov. 1945. Ref. 442.8 G28  
Breeding experiments with corn.
- 10651 KONINCK, M. DE. Distintos métodos de mejoramiento de las plantas. El Salvador. Inst. Tec. An. 1(1): 101-126. 1944. 8 Sa34
- 10652 LECLERC, E. L. Genetic leaf roll of Irish potato seedlings. Phytopathology 35: 877-878. Nov. 1945. 464.8 P56  
Result of the exoression of a genetic factor.
- 10653 MATHER, K. Dominance and heterosis. Amer. Nat. 80: 91-96. Jan. 1, 1946. 470 Am36  
Includes results of experiments with maize and tomato, made by L. Powers.
- 10654 OWEN, F. V. Cytoplasmatically inherited male-sterility in sugar beets. J. Agr. Res. 71: 423-440. Nov. 15, 1945. Ref. 1 Ag84J
- 10655 POOLE, C. F., and GRIMBALL, P. C. Interaction of sex, shape, and weight genes in watermelon. J. Agr. Res. 71: 533-552. Dec. 15, 1945. Ref. 1 Ag84J
- 10656 ROLLINS, R. C. Evidence for genetic variation among apomictically produced plants of several *F<sub>1</sub>* progenies of guayule (*Parthenium argentatum*) and mariola (*P. incanum*). Amer. J. Bot. 32: 554-560. Nov. 1945. Ref. 450 Am36
- 10657 SAX, K. Soviet biology. Science 102: 649. Dec. 21, 1945. 470 Sci2  
Discussion of Russian plant breeding program.

10658 SCHNACK, B., and COVAS, G. Hibridación interespecifica en Glandularia (Verbenaceae). Darwiniana 7: 71-79. Oct. 1945. 450 D25

10659 SMITH, D. C., and NIELSEN, E. L. Morphological variation in *Poa pratensis* L. as related to subsequent breeding behavior. Amer. Soc. Agron. J. 37: 1033-1040. Dec. 1945. 4 Am34

10660 SUBREMANIAM, M. K. Induction of polyploidy in *Saccharomyces cerevisiae*. Cur. Sci. 14: 234. Sept. 1945. 475 Sci23

# PHYSIOLOGY

10661 ALLARD, H. A. Flowering behavior and natural distribution of the eastern ragweeds (*Ambrosia*) as affected by length of day. Ecology 26: 387-394. Oct. 1945. 410 Ec7

10662 AMSLER, M. The effect of artificial frost on seed germination. Roy. Hort. Soc. J. 70: 316-317. Nov. 1945. 84 L84J

10663 ARMITAGE, E. Additional notes on albino flowers. Roy. Hort. Soc. J. 70: 362-363. Dec. 1945. 84 L84J

10664 ATKINS, W. R. G. Autotrophic flagellates as the major constituent of the oceanic phytoplankton. Nature [London] 156: 446-447. Oct. 13, 1945. 472 N21

10665 ATKINS, W. R. G. Conditions for the vertical increase in the phytoplankton and a supposed lag in the process. Nature [London] 156: 599. Nov. 17, 1945. 472 N21

10666 AVERY, G. S., JR., and POTTORF, L. Auxin and nitrogen relationships in green plants. Amer. J. Bot. 32: 666-669. Dec. 1945. 450 Am36  
Experiments with kohlrabi.

10667 AVERY, G. S., JR., PIPER, M., and SMITH, P. Cell number in successive segments of *Avena coleoptilis* of different ages; material for the biochemist. Amer. J. Bot. 32: 575-579. Nov. 1945. 450 Am36

10668 AVERY, G. S., JR., and POTTORF, L. Polyploidy, auxin and nitrogen in green plant tissue. Amer. J. Bot. 32: 669-671. Dec. 1945. 450 Am36  
Experiments with cabbage.

10669 BACCHI, O. Biologia da flôr do mamoeiro. Chacaras e Quintais 72: 457-458. Oct. 15, 1945. 9.2 C34

10670 BEADLE, G. W., and TATUM, E. L. Neurospora. II. Methods of producing and detecting mutations concerned with nutritional requirements. Amer. J. Bot. 32: 678-685. Dec. 1945. 450 Am36

10671 BERGMAN, H. F. Oxygen deficiency in the winter flood of cranberry bogs. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. (1945) 76: 7-13, 16. 81 Am35C

Includes forms of injuries and control.

10672 BERSTEIN, L., HAMMER, K. C., and PARKS, R. Q. The influence of mineral nutrition, soil fertility, and climate on carotene and ascorbic acid content of turnip greens. Plant Physiol. 20: 540-572. Oct. 1945. Ref. 450 P692

10673 BOYD, O. C. Hormones to prevent sprouting of potatoes. Mass. State Col. Ext. Mass. Com. Veg. Grower, Dec. 5, 1945, p. 4-5, processed. 275.29 M381mp

10674 BRAIN, E. D. Growth inhibition in pea seedlings. Nature [London] 156: 397. Sept. 29, 1945. 472 N21

10675 BROYER, T. C., and FUERNSTAL, A. H. A note on the effects of copper impurities in distilled water on growth of plants. Plant Physiol. 20: 690-691. Oct. 1945. 450 P692

10676 BUTZ, L. W., and FRAPS, R. M. No androgen in corn pollen. Soc. Expt. Biol. and Med. Proc. 60: 213-215. Nov. 1945. 442.9 Sol

10677 CAJLACHEJAN, M. CH. Effect of day-length upon the formation of root nodules on the roots of leguminous plants. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 439-443. May 30, 1945. 511 P444

10678 CASTAN, R. Inhibition temporaire du développement d'un bourgeon axillaire due à la présence d'un moignon de tigelle surmontant ce bourgeon. Paris. Acad. des Sci. Compt. Rend. 220: 788-790. May 28, 1945. 505 P21

10679 CHADWICK, L. C. Chlorosis of ornamental trees (yellowing of leaves). Mich. Hort. Soc. Hort. News 11(11): 118. Nov. 1945. 80 H7815

10680 CHICO M., J. M. El retoño extemporaneo de los arboles frutales. Sementera 2(3): 11-13. Sept. 1945. 9.5 Se5

10681 COOPER, W. C., BURKETT, A. L., and HERR, A. Flowering of Peruvian cube, *Lonchocarpus utilis* A. C. Smith, induced by girdling. Amer. J. Bot. 32: 655-657. Dec. 1945. 450 Am36

10682 CORMACK, R. G. H. Cell elongation and the development of root hairs in tomato roots. Amer. J. Bot. 32: 490-496. Oct. 1945. Ref. 450 Am36

10683 CRUICKSHANK, D. H., and WOOD, J. G. The metabolism of starving leaves. 6. Nitrogen balance sheet and changes in organic acid content during starvation of oat leaves. Austral. J. Expt. Biol. and Med. Sci. 23: 243-247. Sept. 1945. 442.8 Au7

10684 DAVIES, E. B. A case of molybdenum deficiency in New Zealand. London [Nature] 156: 392-393. Sept. 29, 1945. 472 N21

Causing "whiptail", a physiological disease of cauliflower.

10685 DAVIES, R. O. The response of grasses and clovers to treatment on acidic upland soils. V. Factors influencing long-term productivity on *Molinia* and fescue soils. Empire J. Expt. Agr. 13: 184-192. Oct. 1945. Ref. 10 Em7

10686 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Hormones et betterave. III. Inst. Belge pour l'Amélior. de la Betterave. P. 12: 695-709. Nov./Dec. 1944. 66.9 In7

Various chemical growth substances used.

10687 DEMOLON, A., and BASTISSE, E. Role vecteur de la silice dans les phénomènes géochimiques et physiologiques; application au traitement de la chlorose ferrique. Ann. Agron. [Paris, (n. s.)] 14: 265-296. July/Sept. 1944. 14 An75A

Pt. I. Formation et propriétés des complexes ferri-siliciques. II. Observations physiologiques sur l'absorption du fer par les végétaux. III. Essais de thérapeutique antichlorotique au moyen des complexes ferri-siliciques.

10688 DEYSSON, G. Action simultanée du phényluréthane et de la colchicine sur les méristèmes radiculaires d'*Allium cepa* L. Paris. Acad. des Sci. Compt. Rend. 220: 367-369. Mar. 12, 1945. 505 P21

10689 DUFRENOY, J. Comparative study of the vacuole and of related systems in plants and animals. Biodynamica 5: 137-164. Oct. 1945. Ref. 442.8 B5223

10690 ENGARD, C. J. Habit of growth of *Rubus roseae* Smith in Hawaii. Amer. J. Bot. 32: 536-538. Oct. 1945. Ref. 450 Am36

10691 ERICKSON, L. C. The water factor in transplanting guayule. Amer. J. Bot. 32: 634-643. Dec. 1945. 450 Am36

10692 FELDMANN, J., and FELDMANN, G. Sur la métabolisme du glycérol chez les rhodophycées. Paris Acad. des Sci. Compt. Rend. 220: 469-470. Mar. 26, 1945. 505 P21

10693 FERNANDES, F., and BEAT, J. V. A note on the association of *Chlorococcum humicola* in the roots of *Cycas revoluta*. Cur. Sci. 14: 235. Sept. 1945. 475 Sci23



- 10694 FIFE, J. M., and CARISNER, E. Tip burn of sugar beet with special reference to some light and nitrogen relations. *Phytopathology* 35: 910-920. Nov. 1945. Ref. 464.8 P56  
Believed due to toxic concentrations of substances normally present in the plant.
- 10695 FRÖSCHEL, P. Neuere untersuchungen zur physiologie der keimung und ihre bedeutung für die samenkontrolle. Assoc. Internatl. Essais Semences Compt. Rend. (Internatl. Seed Testing Assoc. Proc.) (1941/1943) 13: 113-127. 1944. Ref. 61.9 In84P
- 10696 GORHAM, P. R. Growth factor studies with *Spirodela polyrrhiza* (L.) Schleid. *Amer. J. Bot.* 32: 496-505. Oct. 1945. Ref. 450 Am36
- 10697 GRACE, N. H., and FARRAR, J. L. Vegetative propagation of conifers. XIII. Rooting of Norway spruce cuttings in the greenhouse. *Canad. J. Res. Sect. C, Bot. Sci.* 23: 150-165. Oct. 1945. 470 C16C
- 10698 HANSEN, C. J. The effect of boron on deciduous fruit trees. *Blue Anchor* 22(4): 12-15. Nov. 1945. 286.83 B62
- 10699 HANSEN, E. Quantitative study of ethylene production in apple varieties. *Plant Physiol.* 20: 631-635. Oct. 1945. 450 P692
- 10700 HENDRICKSON, A. H., and VEIHMEYER, F. J. Permanent wilting percentages of soils obtained from field and laboratory trials. *Plant Physiol.* 20: 517-539. Oct. 1945. Ref. 450 P692
- 10701 HEWITT, E. J. Experiments in mineral nutrition. II. The visual symptoms of mineral deficiencies in crop plants grown in sand cultures. Progress report 1944. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 50-71. 84 B77
- 10702 HUXLEY, J. Late flowering of horse-chestnut. *Nature [London]* 156: 574. Nov. 10, 1945. 472 N21
- 10703 J., N. P. Near frugttræerne ikke vil trives. *Haven* 45: 101-102. Dec. 1945. 80 H29  
Use of fertilizers to control deficiency diseases of apples.
- 10704 JAEGER, P. Évanouissement et pollinisation de la fleur du baobab [*Adansonia digitata*]. *Paris Acad. des Sci. Compt. Rend.* 220: 369-371. Mar. 12, 1945. 505 P21
- 10705 JOHNSON, L. P. V. Reduced vigour, chlorophyll deficiency, and other effects of self-fertilization in *Pinus*. *Canad. J. Res. Sect. C, Bot. Sci.* 23: 145-149. Oct. 1945. Ref. 470 C16C
- 10706 JONES, J. O., and others. Experiments on the control of magnesium deficiency in glasshouse tomatoes. Progress report II. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 61-71. 84 B77  
D. J. D. Nicholas, T. Wallace, and A. Jefferis, joint authors.
- 10707 JONES, J. S., and HATCH, M. B. Soray residues and crop assimilation of arsenic and lead. *Soil Sci.* 60: 277-288. Oct. 1945. 56.8 So3
- 10708 JULANDER, O. Drought resistance in range and pasture grasses. *Plant Physiol.* 20: 573-599. Oct. 1945. 450 P692
- 10709 KIDD, F., and WEST, C. Respiratory activity and duration of life of apples gathered at different stages of development and subsequently maintained at a constant temperature. *Plant Physiol.* 20: 467-504. Oct. 1945. Ref. 450 P692
- 10710 LARSON, R. H. Physiological internal necrosis of potato tubers in Wisconsin. *J. Agr. Res.* 71: 487-505. Dec. 1, 1945. 1 Ag84J
- 10711 LAURITZEN, J. I., and BRANDES, E. W. Influence of light and temperature on sugarcane and *Erianthus*. *J. Agr. Res.* 72: 1-18. Jan. 1, 1946. Ref. 1 Ag84J
- 10712 LEVINE, M. The effect of colchicine and acenaphthene in combination with X-rays on plant tissue. I-II. *Torrey Bot. Club. B.* 72: 563-574; 73: 34-59. Nov. 1945, Jan./Feb. 1946. 451 T63B
- 10713 LEWIS, F. H., and HEWETSON, F. W. Notes on boron deficiency of apple in Pennsylvania. *Plant Dis. Rptr.* 29: 706-707, processed. Nov. 15, 1945. 1.9 P69P
- 10714 LEWIS, F. J. Physical conditions of the surface of the mesophyll cell walls of the leaf. *Nature [London]* 156: 407-409. Oct. 6, 1945. 472 N21
- 10715 LILLY, V. G., and LEONIAN, L. H. The interrelationship of iron and certain accessory factors in the growth of *Rhizobium trifolii*, strain 205. *J. Bact.* 50: 383-395. Oct. 1945. 448.3 J82
- 10716 LOUSTALOT, A. J. Influence of soil moisture conditions on apparent photosynthesis and transpiration of pecan leaves. *J. Agr. Res.* 71: 519-532. Dec. 15, 1945. Ref. 1 Ag84J
- 10717 LUGG, L. W. H., and BEST, R. J. The effects of the infection of tobacco plants (*Nicotiana tabacum*) with tobacco mosaic virus on some of the properties of the protein present in the leaves. *Austral. J. Expt. Biol. and Med. Sci.* 23: 235-239. Sept. 1945. 442.8 Au7
- 10718 MCDERMOTT, J. J. The effect of the moisture content of the soil upon the rate of exudation. *Amer. J. Bot.* 32: 570-574. Nov. 1945. Ref. 450 Am36
- 10719 MCGAVACK, J., and FAULKS, P. J. Synthesis of rubber in kok-saghyz roots during starvation. *Rubber Age* 58: 204-206. Nov. 1945. Ref. 305.8 R82  
Other rubber plants used in the experiment.
- 10720 MCGEORGE, W. T., and POWERS, H. B. Citrus chlorosis a puzzle. *Ariz. Farmer* 24(25): 7, 20. Dec. 29, 1945. 6 Ar44
- 10721 MACHT, D. I. Influence of sulfonamides and para-aminobenzoic acid on the growth of *Lupinus albus*. *Soc. Expt. Biol. and Med. Proc.* 60: 217-220. Nov. 1945. 442.9 Sol
- 10722 MASON, T. G., and PHILLIS, E. The effect of ringing and of transpiration on mineral uptake; a reply to criticism. *Ann. Bot. [London] (n. s.)* 9: 345-351. Oct. 1945. 450 An7
- 10723 MASON, T. G., and PHILLIS, E. Studies on the partition of the mineral elements in the cotton plant. V. An adsorption theory of nitrogen regulation. *Ann. Bot. [London] (n. s.)* 9: 335-344. Oct. 1945. 450 An7
- 10724 MEISEL, M. N., TRIMOVA, N. P., and LISOVSKAYA, N. P. Rostovye veshchestva i kh vliyanie na stroenie i zhiznediel'nost' drozhzhevykh organizmov (The growth factor and their influence on the structure and life-activity of yeast organisms). *Mikrobiologiya* 14: 191-201. 1945. 448.3 M582  
English summary.
- 10725 MEITES, M. Les cellules végétales fixées par le formol conservent certaines propriétés physiologiques. *Paris Acad. des Sci. Compt. Rend.* 220: 698-699. May 7, 1945. 505 P21
- 10726 MEYER, B. S. Effects of deficiencies of certain mineral elements on the development of *Taraxacum kok-saghyz*. *Amer. J. Bot.* 32: 523-528. Oct. 1945. Ref. 450 Am36
- 10727 MILLER, P. W., and SCHUSTER, C. E. Transpiration responses with Persian walnuts and filberts sprayed with bordeaux mixture. *J. Agr. Res.* 71: 465-469. Nov. 15, 1945. 1 Ag84J
- 10728 MULLAN, D. P. The biology and anatomy of *Scirpus grossus* Linn. fil. *Bombay Nat. Hist. Soc. J.* 45: 402-407. Sept. 1945. Ref. 513 B63
- 10729 MYERS, A. The germination of quandong [*Fusanus acuminatus*] seed. *Agr. Gaz. N. S. Wales* 56: 450. Oct. 1945. 23 N472



- 10730 NANDA, K. K., and CHINYOY, J. J. Effect of photoperiodic treatment on pollen fertility. *Cur. Sci.* 14: 241. Sept. 1945. 475 Sci23
- 10731 NICHOLAS, D. J. D., and JONES, J. O. The application of rapid chemical tests to plant tissues in the diagnosis of deficiencies of mineral nutrients. Progress Report I. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 84-97. 84 B77
- 10732 OSTERHOUT, W. J. V. Water relations in the cell. I. The chloroplasts of *Nitella* and *Spirogyra*. *J. Gen. Physiol.* 29: 73-78. Nov. 20, 1945. 447.8 J822
- 10733 OSTERWALDER, A. Von der herbstfärbung und degeneration der theilersbirnbäume. *Schweiz. Z. f. Obst- u. Weinbau* 53: 450-454. Dec. 9, 1944. 80 Sch9
- 10734 OVERBEEK, J. VAN. Flower formation in the pineapple plant as controlled by 2,4-D and naphthaleneacetic acid. *Science* 102: 621. Dec. 14, 1945. 470 Sci2
- 10735 OVERBEEK, J. VAN, and others. Investigaciones fitofisiológicas. *Rev. de Agr., Indus. y Com. de Puerto Rico* 36: 60-78. Jan./June 1945. 8 R325
- M. A. Tío, L. E. Gregory, and E. M. Santiago de Vázquez, joint authors.
- 10736 PHILLIS, E., and MASON, T. G. The effect of extreme desiccation on the viability of cotton seed. *Ann. Bot. [London] (n. s.)* 9: 353-359. Oct. 1945. 450 An7
- 10737 PHILLIS, E., and MASON, T. G. Studies on foliar hydration in the cotton plant. VI. A gel theory of cell water relations. *Ann. Bot. [London] (n. s.)* 9: 297-334. Oct. 1945. 450 An7
- 10738 PLANT, W., JONES, J. O., and NICHOLAS, D. J. D. The technique of chemical tissue tests. Progress report I. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 79-84. 84 B77
- 10739 POLLARD, A., and others. Factors affecting quality in potatoes. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 184-199. 84 B77
- M. E. Kieser, A. Crang, and T. Wallace, joint authors.
- Effect of planting time, site, and fertilizers on quality, especially after boiling.
- 10740 POLLARD, A., KIESER, M. E., and BRYAN, J. D. Factors influencing the vitamin C content of tomatoes. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 171-179. 84 B77
- 10741 POUND, G. S. Effect of air temperature on the concentration of certain viruses in cabbage. *J. Agr. Res.* 71: 471-485. Dec. 1, 1945. 1 Ag84J
- 10742 PRATT, R. Influence of the proportion of  $KH_2PO_4$ ,  $MgSO_4$ , and  $NaNO_3$  in the nutrient solution on the production of penicillin in surface cultures. *Amer. J. Bot.* 32: 528-535. Oct. 1945. 450 Am36
- Effect of inorganic salts on the accumulation of penicillin in cultures of *Penicillium notatum*.
- 10743 RÉGNIER, J., LAMBIN, S., and DUBOST, M. Influence de l'acide salifiant l'ammoniaque sur les qualités nutritives ou toxiques des sels ammoniacaux vis-à-vis de deux aspergillacées. *Paris Acad. des Sci. Compt. Rend.* 220: 465-467. Mar. 26, 1945. 505 P21
- 10744 ROBBINS, W. J., and MA, R. Growth factors for Trichophyton mentagrophytes. *Amer. J. Bot.* 32: 509-523. Oct. 1945. Ref. 450 Am36
- 10745 ROPP, R. S. DE. Studies in the physiology of leaf growth. I. The effect of various accessory growth factors on the growth of the first leaf of isolated stem tips of rye. *Ann. Bot. [London] (n. s.)* 9: 369-381. Oct. 1945. 450 An7
- 10746 SANTAPAU, H. The flowering of *Strobilanthes*. *Bombay Nat. Hist. Soc. J.* 44: 605-606. Aug. 1944. 513 B63
- 10747 SANZ, C. Pollen-tube growth in intergeneric pollinations on *Datura stramonium*. *Natl. Acad. Sci. Proc.* 31: 361-367. Nov. 1945. 500 N21P
- 10748 SARAN, A. B. On the viability of paddy seeds, *Oryza sativa*. *Cur. Sci.* 14: 271. Oct. 1945. 475 Sci23
- 10749 SHEWELL-COOPER, W. E. Fruits without fertilisation. *Field* 186: 322. Sept. 29, 1945. 10 F45
- Hormone sprays for fruit trees and tomatoes.
- 10750 SHEWELL-COOPER, W. E. These amazing hormones [for plant growth]. *Smallholder* 74(1866): 11. Dec. 21, 1945. 10 Sml
- 10751 SHULL, C. A. Autumn coloration. *Chicago Nat. B.* 43-46. Nov. 1945. 410 C43
- 10752 SIDERIS, C. P., and YOUNG, H. Y. Effects of different amounts of potassium on growth and ash constituents of *Ananas comosus* (L.) Merr. *Plant Physiol.* 20: 609-630. Oct. 1945. 450 P692
- 10753 SIDERIS, C. P., and YOUNG, H. Y. Effects of potassium on chlorophyll, acidity, ascorbic acid, and carbohydrates of *Ananas comosus* (L.) Merr. *Plant Physiol.* 20: 649-670. Oct. 1945. 450 P692
- 10754 STEINBERG, R. A. A dibasal (minimum salt, maximum yield) solution for *Aspergillus niger*; acidity and magnesium optimum. *Plant Physiol.* 20: 600-608. Oct. 1945. 450 P692
- 10755 STEVENS, C. L. Observations on the causes of the flow of sap in red maple. *Plant Physiol.* 20: 636-648. Oct. 1945. 450 P692
- 10756 SUKHORUKOV, K., and KLING, E. Influence of copper upon the potato plant. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 436-438. May 30, 1945. 511 R444
- 10757 SWANSON, C. O. Factors that influence wheat germination. Northwest. Miller (Milling Prod. Sect.) 224: 12a, 14a. Dec. 11, 1945. Ref. 298.8 N81
- 10758 SWARBRICK, T. The prevention of pre-harvest drop in apples. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 30-36. 84 B77
- 10759 SWARBRICK, T. Spraying for seedless tomatoes. *Canad. Florist* 41: 25-26. Jan. 20, 1946. 80 C163
- 10760 SWARBRICK, T. The use of growth-promoting substances as a means of inducing fruit set and development in the tomato. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 36-48. 84 B77
- 10761 SWARBRICK, T. Use of growth-promoting substances in the prevention of apple drop following frost. *Nature [London]* 156: 691-692. Dec. 8, 1945. 472 N21
- 10762 SWARBRICK, T. The use of indole-butyric acid and alphanaphthalene-acetic acid to facilitate the rooting of Yellow Pershore plum stocks. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 48-49. 84 B77
- 10763 TEMPLEMAN, W. G., and SEXTON, W. A. Effect of some arylcarbamate esters and related compounds upon cereals and other plant species. *Nature [London]* 156: 630. Nov. 24, 1945. 472 N21
- Effect on cell division.
- 10764 THOMSON, B. F. Tissue responses to physiologically active substances. *Bot. Rev.* 11: 593-610. Dec. 1945. 450 B6527
- Effect of growth substances on plant tissue; their relation to crown gall.
- 10765 TINCKER, M. A. H. Propagation, degeneration and vigour of growth. *Roy. Hort. Soc. J.* 70: 333-337. Nov. 1945. 84 L84J
- Association of degeneration with continued vegetative reproduction and virus infection.
- 10766 TOME, G. A., and JOHNSON, I. J. Self- and cross-fertility relationships in *Lotus corniculatus* L. and *Lotus tenuis* Wald. et Kit. *Amer. Soc. Agron. J.* 37: 1011-1023. Dec. 1945. 4 Am34
- 10767 TUKEY, H. B., and CARLSON, R. F. Breaking the dormancy of peach seed by treatment with thiourea. *Plant Physiol.* 20: 505-516. Oct. 1945. 450 P692



10768 VIETS, F. G., JR. The role of amino acids and amides in the metabolism of ammonium absorbed by *Zea mays* L. *Science* 102: 587-589. Dec. 7, 1945. 47C Sci2

10769 VLADIMIROV, A. V. Effect of potassium and magnesium sulfates and chlorides upon the formation of oxidized and reduced organic compounds in plants. *Soil Sci.* 60: 377-385. Nov. 1945. 56.8 So3

10770 VLADIMIROV, A. V. Influence of nitrogen sources in the formation of oxidized and reduced organic compounds in plants. *Soil Sci.* 60: 265-275. Oct. 1945. 56.8 So3

10771 WAIN, R. L. Studies upon the copper fungicides. VII-VIII. *Ann. Appl. Biol.* 32: 240-243, 243-247. Aug. 1945. 442.8 An72

VII. The solution of copper from dressings on the pea seed. VIII. The penetration of copper into germinating peas.

10772 WANNER, H. Über wirkungen der röntgenstrahlen auf das plasma vegetativer pflanzenzellen. *Schweiz. Z. f. Path. u. Bakt. v. 8*, sup., 64 p. Basel, 1945. 448.8 Sch9

10773 WENT, F. W. Plant growth under controlled conditions. V. The relation between age, light, variety and thermoperiodicity of tomatoes. *Amer. J. Bot.* 32: 469-479. Oct. 1945. 450 Am36

10774 WENT, F. W., and COSPER, L. Plant growth under controlled conditions. VI. Comparison between field and airconditioned greenhouse culture of tomatoes. *Amer. J. Bot.* 32: 643-654. Dec. 1945. 450 Am36

10775 WHITTENBERGER, R. T., and KELNER, A. Rubber in cryptostegia leaf chlorenchyma. *Amer. J. Bot.* 32: 619-627. Dec. 1945. 450 Am36

10776 WHITTENBERGER, R. T. Silicon absorption by rye and sunflower. *Amer. J. Bot.* 32: 539-548. Nov. 1945. Ref. 450 Am36

10777 WILCOX, J. C., and KNIGHT, A. T. Some factors affecting apple yields in the Okanagan Valley. III. Root distribution. *Sci. Agr.* 25: 760-775. Aug. 1945. 7 Sci6

10778 WITTE, H. Some international investigations regarding the germination of hard clover seeds in soil. *Assoc. Internatl. Essais Semences Compt. Rend. (Internatl. Seed Testing Assoc. Proc.)* (1941/1943) 13: 77-91. 1944. 61.9 In84P

10779 WYND, F. L. Collapse of citrus leaves. *Tex. Farming and Citric.* 22(6): 12. Dec. 1945. 80 T31

Cause unknown.

#### BIOCHEMISTRY

10780 BALAKRISHNA, K. J., MURTI, P. B. R., and SESHADRI, T. R. Chemical composition of *Calotropis gigantea*. IV. Resinols of the root bark. *Indian Acad. Sci. Proc., Sect. A* 22: 138-142. Sept. 1945. 513 In25

10781 BALAKRISHNA, K. J., RAJAGOPALAN, S., and SESHADRI, T. R. Chemical composition of *Calotropis gigantea*. V. Further examination of the latex and root bark. *Indian Acad. Sci. Proc., Sect. A* 22: 143-147. Sept. 1945. 513 In25

10782 BENNE, E. J., and others. Report on carotene in plants. *Assoc. Off. Agr. Chem. J.* 28: 793-795. Nov. 15, 1945. 381 As7

D. I. Rose, A. J. Satchell, and E. L. Denniston, joint authors.

10783 BENNE, E. J., and SATCHELL, A. J. Report on iron in plants. *Assoc. Off. Agr. Chem. J.* 28: 796. Nov. 15, 1945. 381 As7

10784 BICE, C. W., MCMASTERS, M. M., and HILBERT, G. E. Wheat starch properties in relation to grain maturity. *Cereal Chem.* 22: 463-476. Nov. 1945. Ref. 59.8 C33

10785 BOGUSCH, E. R. Chlorine in plant tissue. *Texas Acad. Sci. Proc. and Trans.* (1944) 28: 134-138. 1945. Ref. 500 T31

10786 BOSE, P. K., and BHATTACHARYA, A. A method for the removal of chlorophyll from extracts of plant materials. *Ann. Biochem. and Expt. Med.* 5: 7-10. 1945. 448.8 An73

10787 BRIAN, P. W., and HEMMING, H. G. Glicotoxin, a fungistatic metabolic product of *Trichoderma viride*. *Ann. Appl. Biol.* 32: 214-220. Aug. 1945. 442.8 An72

10788 BUTLER, L. I. Report on copper in plants. *Assoc. Off. Agr. Chem. J.* 28: 793-794. Nov. 15, 1945. 381 As7

10789 CHOLLET, M. M. De la présence de stachyose dans deux espèces du genre *Scrophularia*. *Paris. Acad. des Sci. Compt. Rend.* 220: 334-336. Mar. 5, 1945. 505 P21

10790 COTTON, R. H. Determination of nitrogen, phosphorus, and potassium in leaf tissue; application of micromethods. *Indus. and Engin. Chem. Analyt. Ed.* 17: 734-738. Nov. 1945. Ref. 381 J825A

10791 DEWAR, E. T., and PERCIVAL, E. G. V. A polysaccharide from *Gigartina stellata*: the isolation of crystalline 2:6-dimethyl- $\beta$ -D-galactopyranose from the methylated polysaccharide. *Nature [London]* 156: 633-634. Nov. 24, 1945. 472 N21

10792 HOWLETT, F. S. The nitrate content of greenhouse tomato plants. *Ohio Veg. and Potato Growers Assoc. Proc.* (1944) 29: 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202-205. 75.9 Oh3

10793 JAMES, D. P. Riboflavin in fresh fruits. *Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt.* 1944: 166-171. 84 B77

10794 KARRER, P., and RUTSCHMANN. Carotinoide aus den fruchten von *Cotoneaster occidentalis* und *Pyraecantha coccinea*. *Helvetica Chim. Acta* 28: 1528-1529. 1945. 385 H36

10795 KARRER, P., and RUTSCHMANN, J. Ueber die carotinoide aus *Elodea canadensis*. *Helvetica Chim. Acta* 28: 1526-1527. 1945. 385 H36

10796 MCCALL, E. R., and GUTHRIE, J. D. The organic acid content of raw cotton fiber. Isolation of l-malic acid and citric acid from cotton fiber. *Amer. Chem. Soc. J.* 67: 2220-2221. Dec. 1945. 381 Am33J

10797 MCHARGUE, J. S. Report on iodine and boron in plants. *Assoc. Off. Agr. Chem. J.* 28: 792. Nov. 15, 1945. 381 As7

10798 METHOXONE, 4-chloro-2-methylphenoxy-acetic acid. Development of a selective weedkiller. *Indus. Chem. and Chem. Mfr.*, Nov. 1945, p. 587-588. 382 In22

Report of W. G. Templeman and E. Holmes.

10799 RAO, K. V., and SARMA, R. V. Occurrence of gossypol [in cotton]. *Cur. Sci.* 14: 270-271. Oct. 1945. 475 Sci23

10800 ROWSON, J. M. Increased alkaloidal contents of induced polyploids of *Datura*, *Atropa* and *Hyoscyamus*. I. *Q. J. Pharm. and Pharmacol.* 18: 175-193. July/Sept. 1945. 396.8 Q2

10801 STODOLA, F., and others. Itatartaric acid, a metabolic product of an ultra-violet-induced mutant of *Aspergillus terreus*. *J. Biol. Chem.* 161: 739-742. Dec. 1945. 381 J824

M. Friedkin, A. J. Moyer, and R. D. Coghill, joint authors.

10802 VIRTANEN, A. I., and LAINE, T. Red, brown and green pigments in leguminous root nodules. *Nature [London]* 157: 25-26. Jan. 5, 1946. 472 N21

10803 WALTI, A. Determination of the nature of the volatile base from the rhizome of the pitcher plant *Sarracenia purpurea*. *Amer. Chem. Soc. J.* 67: 2271. Dec. 1945. 381 Am33J

For use in medicine.

10804 WILLIAMS, R. F. The estimation of nucleic acid phosphorus in plant material. *Austral. J. Expt. Biol. and Med. Sci.* 23: 213-219. Sept. 1945. 442.8 Au7

## SILVICULTURE

- 10805 BICKERSTAFF, A. Knot-free red pine by debudding. Project P-38. Canada. Forest Serv. Silv. Res. Note 76, 10 p., processed. Ottawa, 1945. 99.9 C16Re
- 10806 BOND, W. E., and BULL, H. Rapid growth indicates forestry opportunities in bottomland hardwoods. South. Lumberman 172(2154): 54-56, 58, 60, 62. Jan. 1, 1946. 99.81 So82
- 10807 CANO, J. Ensayos de silvicultura en "Santa Cruz Porrillo" para la determinación de especies aptas para la reforestación de la zona basal del país. El Salvador. Inst. Tec. An. 1(1): 61-71. 1944. 8 Sa34
- 10808 CHENGAPA, B. S. Andaman forests and their regeneration. I-II, IV. Indian Forester 70: 297-304, 339-351, 421-430. Sept., Oct., Dec. 1944. 99.8 In2
- 10809 COOKE, G. B. Post-war cork planting. Crown 35(1): 15, 26. Jan. 1946. 389.8 C88
- 10810 DAVIS, D. Sal [Shorea robusta] natural regeneration in the United Provinces. Indian Forester 70: 1-5. Jan. 1944. 99.8 In2
- 10811 FIRDANS, A. A. The afforestation of Senkaracharya Hill [Kashmir]. Indian Forester 70: 83-84. Mar. 1944. 99.8 In2
- "Note on the above," by W. D. M. Warren, p. 85.
- 10812 GAUNT, A. How Canada aids Britain's revival. Forest & Outdoors, Dec. 1945, p. 317-318. 99.8 C16
- Canadian tree seed for reforestation.
- 10813 JAMWAL, H. S. Thinning in deodar [Cedrus deodara] regeneration. Indian Forester 70: 114-115. Apr. 1944. 99.8 In2
- 10814 JOHNSON, L. P. V. Effect of chemical treatments on the germination of forest tree seeds. J. Forestry 43: 825. Nov. 1945. 99.8 F768
- 10815 KERMODE, C. W. D. "Natural regeneration without seed-bearers." Indian Forester 70: 289-296. Sept. 1944. 99.8 In2
- Describes a regeneration technique applied in certain types of forest in Burma.
- 10816 LEEARROW, R. K., and ROE, E. I. Hastening the extraction of jack pine seeds. J. Forestry 43: 820-821. Nov. 1945. 99.8 J768
- 10817 MILES, C. Growth of ponderosa pine by Keen tree class. J. Forestry 43: 905-907. Dec. 1945. 99.8 F768
- 10818 MYRING, B. Better forests for the future? Brit. Columbia Lumberman 30(1): 75. Jan. 1946. 99.81 B77
- Prospects of improving the Douglas-fir through seed selection.
- 10819 NIZAMUDDIN HYDER, K. B. Establishment of fuel plantations [in Indian villages]. Indian Farming 6: 456-457. Oct. 1945. 22 In283
- 10820 PHADKE, A. B. Afforestation experiment under the gradoni system in Poona Division. Indian Forester 70: 183-187. June 1944. 99.8 In2
- Describes system of tree planting on bare hills.
- 10821 PRASAD, J. The role of experimental research in the natural regeneration of Indian tree species by seed. Indian Forester 70: 142-147. May 1944. 99.8 In2
- 10822 PRASAD, J. The silviculture of Cassia siamea. Indian Forester 70: 5-11. Jan. 1944. 99.8 In2
- 10823 PRING, N. G. A note on catchment afforestation in N. W. India. Indian Forester 70: 247-252. Aug. 1944. 99.8 In2
- 10824 SAGREIYA, K. P. Triangular versus square planting [of trees]. Indian Forester 70: 283-289. Sept. 1944. 99.8 In2
- 10825 SHARMA, Y. M. L. A note on the silviculture of Chlorophora excelsa. Indian Forester 70: 80-83. Mar. 1944. 99.8 In2

10826 STEVENS, T. D., and BELL, L. E. Michigan State College develops new tree-planting 'reforestation.' Miss. Val. Lumberman 77(4): 11. Jan. 25, 1946. 99.81 M69

10827 STEVENS, T. D., and BELL, L. E. Michigan State College reforestation. Mich. Agr. Expt. Sta. Q. B. 28: 107-110. Nov. 1945. 100 M58S

Tree-planting machine.

10828 TUNSTELL, G. Growth of aspen [Populus tremuloides]. Project M. S.-45. Canada. Forest Serv Silv. Res. Note 76, 10 p., processed. Ottawa 1945 99.9 C16Re

## FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

## General

10829 ARONSON, L. Malmöhus länns hushållnings-sällskaps växtodlingsförsök år 1944. Malmöhus Länns Hushåll. Sällsk. Kvartalskr., No. 3, p. 171-207. 1945. 11 M29

Cultivation experiments with grasses and cereals made by Malmöhus Province Agricultural Association in 1944.

10830 CLYDESDALE, C. S. Crop and pasture trials on the Darling Downs. Queensland Agr. J. 61: 197-202. Oct. 1945. 23 Q33

10831 KADAM, B. S. New strains for old crops in Bombay. Part I-II. Indian Farming 6: 353-356, 403-407. Aug., Sept. 1945. 22 In283

I. Cotton. II. Cereals, pulses, and oilseeds.

10832 LAMAS, P. J. A. El lino y la rotación de los cultivos. "Granos" Semilla Selecta 9(4/6): 33-34. Apr./June 1945. 9 G762

10833 LARMOUR, W. T. Central Experiment Farm at Ottawa pioneer in agricultural investigation. Canad. Grain J. 1(5): 9. Dec. 1945. 59.8 C16

Experiments with cereal and forage crops.

## Cereals

10834 ANDRÉN, F. Förhindrar oljebetningen utsådens groning? Försök och Forskning 2: 139-140. Sept. 1945. 11 F77

Cereal germination from oil-treated seeds.

10835 BASSETT, C. K. Rainbow corn. Flower Grower 33(1): 27. Jan. 1946. 80 M72

10836 BISHOP, L. R. Second memorandum on barley germination. Inst. Brewing J. 51: 215-224. Sept./Oct. 1945. 390.9 In7

10837 CAFFERA, R. Tipos y variedades de cebada. "Granos" Semilla Selecta 9(4/6): 37-43. Apr./June 1945. 9 G762

10838 CORY-WRIGHT, A. The season's barley. Inst. Brewing J. 51: 269-274. Nov./Dec. 1945. 390.9 In7

Discussion, p. 274-276.

10839 DERICK, R. A. New oats get the acid test. Family Herald and Weekly Star 76(48): 8. Nov. 28, 1945. 7 F21

10840 ELGUETA G., M. Valor de retrocruzamiento como método de mejora de variedades de trigos de la zona central. Simiente 15(1): 3-5. Jan./Mar. 1945. 9.3 S14

10841 HLYNKA, K. Resourcefulness and ingenuity required in laboratory work on Canada's cereals. Canad. Grain J. 1(5): 11. Dec. 1945. 59.8 C16

10842 KRALIN, P. Uborka zernovykh s nachala voskovoi spelosti. Sovkhoz. Proizvod. 5(6): 47-48. June 1945. 20 So85

Harvesting of grain at its early stage of ripening.

10843 LJUNG, E. W. Sveriges Utsädesförenings rågförädlingsarbeten [Rye breeding experiments of Sweden's Seed Association]. Försök och Forskning 2: 131-133. Sept. 1945. 11 F77



10844 LOTTI, A. Mejores rendimientos en los cultivos de maíz con híbridos comerciales. Res 13: 18324-18326. Nov. 20, 1945. 286.85 R31

10845 MOORE, I. More wheat has some advantages. Farmer & Stock-Breeder 59: 1959. Dec. 4, 1945. 10 F228

10846 MORGILLO DOSMAN, L. E. Breves anotaciones sobre al cultivo del arroz. Rev. de Agr. [San José] 17: 531, 533-538. Nov. 1945. 8 Esl

10847 OBREGÓN, G. Nuevos comentarios al artículo: "Investigaciones sobre densidad y distancia del trigo." Agr. Trop. 1(11): 16-18. Dec. 1945. 26 Ag8

10848 OSPITALETCHÉ, A. E. Factores a tener en cuenta en la elección de una variedad agrícola de grano. "Granos" Semilla Selecta 9(1/3): 38-40. Jan./Mar. 1945. 9 G762

10849 PARKER, J. H. For a profitable cash grain crop in the coming post-war years: grow high-quality malting barley. Dakota Farmer 65(23): 4, 18. Dec. 8, 1945. 6 D14

10850 PARKER, J. H. More and better barley. Grain and Feed Rev. 35(3): 14, 57. Nov. 1945. 280.28 C78

Plant breeding work of the Midwest Barley Improvement Association.

10851 PINEDA, R. L. La selección del maíz en el campo. Campesino Morelense 1(13): 2, 4. Nov. 1, 1945. 8 C156

10852 STANTON, T. R. New oat varieties grown. Ext. Serv. Rev. 16186-16187. Dec. 1945. 1 Ex892Ex

10853 SUAREZ DE CASTRO, F. Algunas observaciones al artículo "Investigaciones sobre densidad y distancia del trigo." Agr. Trop. 1(10): 12-13. Nov. 1945. 26 Ag8

Observations on article by G. Obregón.

10854 WILLIAMS, R. World's greatest grass show; Woodward research pays in cash. Farm and Ranch 64(12): 8. Dec. 1945. 6 T31

U. S. Dept. of Agriculture, Forest Service, Southern Great Plains Field Station, Woodward, Okla., co-operating.

10855 ZAZOEV, M. O posevakh iarovykh i ozimyykh fakhmenei. Sovkhoz. Proizvod. 5(6): 16-17. June 1945. 20 So85

Culture and yields of spring and winter barleys in the Kuban region.

#### Fiber Crops

10856 CRANE, J. C., and ACUNA, J. B. Effect of plant spacing and time of planting on seed yield of kenaf, Hibiscus cannabinus L. Amer. Soc. Agron. J. 37: 969-977. Dec. 1945. 4 Am34

10857 HANCOCK, H. A. Measures to check deterioration in Egyptian cotton varieties. Textile Inst. J. 36: T267-T310. Nov. 1945. 73.9 T31

I. The Giza seed maintenance system. II. Development of new varieties. III. Extent, nature, and causes of deterioration.

10858 LEAKE, H. M. A cotton retrospect. II. Cotton breeding. Fairfax Monthly 539-540. Sept. 1944. 304.8 F16

10859 PRICE, C. A. Blackland soil + Hubam clover = more cotton. Acco Press 23(12): 4-7. Dec. 1945. 6 Ac2

10860 REMUSSI, C. El cultivo de lino textil. Buenos Aires y La Pampa, No. 82, p. 20-22. Oct. 1945. 9 B868

10861 RUSSIA grows natural coloured cotton. Indian Textile J. 55: 867-868. Sept. 1945. 304.8 In2

10862 SATYANARAYANA, S. Madras sunn hemp scheme. Indian Farming 6: 467-468. Oct. 1945. 22 In283

#### Forage Crops and Grasses

10863 BØGH, H., and JENSEN, I. Some morphological characters of red clover (Trifolium pratense) and their use in the control of genuineness. Assoc. Internatl. Essais Semences Compt. Rend. (Internatl. Seed Testing Assoc. Proc.) (1941/1943) 13: 92-112. 1944. Ref. 61.9 In84P

10864 COSTELLO, D. F. Know your range grasses and plants; slender wheatgrass (Agropyron trachycalum). Westerner 28(11): 20-22. Dec. 1945. 49 W522

10865 ESCALANTE E., C. Cultivo del frijol de arbol o gandul, Cajanus cajan. Agr. Mex. 61(11): 23-26. Nov. 1945. 8 Ag8

10866 GRISCH, A. Die herkunftsbestimmung der klee- und grassamen. Assoc. Internatl. Essais Semences Compt. Rend. (Internatl. Seed Testing Assoc. Proc.) (1941/1943) 13: 147-416. 1944. 61.9 In84B

References, p. 402-412.

10867 INGHAM, A. G. Pasture maintenance. Your Farm 4(3): 69-73. Jan. 1946. 6 Y8

10868 JACOB, K. C. Pasture grass map of the Madras Province. Indian Farming 6: 119-121. Mar. 1945. 22 In283

10869 JOHNSTONE-WALLACE, D. B. The principles of pasture management. N. Y. Farmers. Proc. 1944/1945: 429-440. 4 N48P

10870 KERLE, W. D. Grain sorghum is a hardy crop of high feeding value. Agr. Gaz. N. S. Wales 56: 449. Oct. 1945. 23 N472

10871 LEES, A. B. Cheap hay spells disaster in grass. Old grass, leys, and reseeding are complementary. Farmer & Stock-Breeder 59: 1861. Nov. 20, 1945. 10 F228

10872 M. Wiesen und weiden im herbst. Schweiz. Zentbl. f. Milchw. 34: 198. Nov. 2, 1945. 44.8 Sch93

10873 MCGUCKIAN, A. A. Grass: the pivotal crop. Ulster Farmer 46, i. e. 45(9): 12-13. Sept. 1945. 10 UL7

10874 MARSHALL, B. G. Green pastures. West. Livestock J. 24(6): 94-95. Dec. 15, 1945. 6 F2278

10875 MATHER, F. Weather squeeze on red clover. C. L. F. Week. Serv. Sched. 10(23): 1. Dec. 3, 1945. 280.28 G13W

Effect of weather on red clover seed production.

10876 PAL'CHEVSKIY, V. Afrikanskoe proso - v zasushlivye rayony Kavkaza i Yugo-Vostoka SSSR, Afrikan millet, Pennisetum glaucum - in the arid regions of the Caucasus and South-East of USSR. Sovkhoz. Proizvod. 5(6): 20-22. June 1945. 20 So85

10877 SCHOFIELD, J. L. Tropical legumes in south-eastern Queensland. Queensland Agr. J. 61: 133-143. Sept. 1945. 23 Q33

10878 SPENCER, C. B. Hubam clover. Farm & Ranch 64(12): 24. Dec. 1945. 6 T31

10879 THAT new clover [Trifolium ambiguum]. Amer. Bee J. 85: 394-395, 406. Nov. 1945. 424.8 Am3

10880 URZUA A., F. Cosecha de alfalfares. Campesino [Santiago] 77: 630. Nov. 1945. 9.3 Sol2

10881 WALL, G. M. Maritime, Canada, pastures rank high among world's grazing lands. Marit. Farmer and Co-op. Dairyman 51(6): 5. Dec. 18, 1945. 7 C77

10882 WASSER, C. H. High protein content makes winter fat valuable forage for Colorado ranges. Colo. Farm B. [Colo. Sta.] 7(5): 6-7. 13. Sept./Oct. 1945. 100 C71S

10883 WILLIAMS, W. Varieties and strains of red and white clover, British and foreign. Welsh Plant Breed. Sta., Aberystwyth, [B.] Ser. R, No. 16, 26 p. 1945. Ref. 103 Un322

Oil Crops

- 10884 GUTIERREZ V., G. La higuerilla [*Ricinus communis*], sus posibilidades industriales y su cultivo. Agr. Trop. 1(11): 9-12. (To be cont.) Dec. 1945. 26 Ag8
- 10885 KADE, J. W. Cultivo e importancia del sésamo. Bolsa de Com., Rosario. Rev. 33(812): 5-7. Nov. 15, 1945. 287 R71
- 10886 NASCIMENTO, J. Cultura do linho no sul do Brasil. Rev. Bras. de Quím. (Cien. & Indus.) 20: 176-178, 180, 182, 184, 186. Aug. 1945. 385 R322

Sugar Crops

- 10887 ARGENEAUX, G. The [sugarcane] variety census for 1945. Sugar J. 8(7): 7-8. Dec. 1945. 65.8 Su391
- 10888 BELL, R. W., ROBERTSON, L. S., and COOK, R. L. The effect of shearing sugar-beet seed on stand of beets, on labor requirements at the time of blocking and thinning, and on yield of roots. Mich. Agr. Expt. Sta. Q. B. 28: 157-164. Nov. 1945. 100 M58S
- 10889 MOBERLY, G. S. The replacement of Uba by new variety canes from 1936 to 1944. So. African Sugar Technol. Assoc. Proc. (1945) 19: 29-34. 65.9 So83
- 10890 RAO, S. N. G., BABLAD, S. G., and LONKAR, K. V. Forcing maturity in cane. Indian Sugar 8: 299-301. Sept. 1945. 65.8 In25
- From Deccan Sugar Technologists' Association, Proceedings of Second Annual Convention.
- 10891 W., W. J. Segmented sugar-beet seed. Agr. Engin. Rec., Autumn 1945, p. 3-9. 58.8 Ag84

Tobacco

- 10892 LLORCA SANTAMARINA, J. Normas para la selección de semillas de tabaco. Campo [Buenos Aires] 29(348): 30-31, 33, 37. Oct. 1945. 9 C15

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 10893 CARDOSO, W. Sementeiras em serragem. Brazil. Dept. Nac. de Prod. Veg. Secq. de Fomento Agr. no Pará. B. 3(2): 27-33. July/Dec. 1944. 9.2 B7362
- 10894 D., J. S. The greenhouse in winter-time; combining flowers with vegetables; minimum temperature requirements for certain subjects. Gard. Illus. 64: 715. Dec. 1945. 80 G169
- 10895 DAKERS, J. S. What shall I grow this year? Homes and Gard. 27(8): 40-41, 73. Jan. 1946. 318.8 Ou7
- 10896 DAKIN, MRS. W. Horticultural service at Trux Field A. A. F. T. S., Madison, Wisconsin. Natl. Council State Gard. Clubs. B. 17(1): 13-16. Dec. 1945/Jan. 1946. 90.32 N21
- 10897 ESSON, J. G. America's public gardens. The Phipps Conservatory, Schenley Park, Pittsburgh. Gard. Chron. Amer. 50: 12-13. Jan. 1946. 80 G1632
- 10898 EWING, G. Your postwar vegetable policy. House Beautiful 88(1): 72-73, 120-121. Jan. 1946. 296.8 H81
- Includes landscape gardening.
- 10899 EYSTER, H. C. Botany in the garden. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 23-25. 81 So86
- 10900 FAULKNER, R. P. First principles of horticulture. I. Gard. Chron. 119(3080): 6-7. Jan. 5, 1946. 80 G162
- 10901 HERRICK, R. S. The Iowa State Horticultural Society. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 33-36. 81 So86

- 10902 THE JOHN Innes Horticultural Institution. Nature [London] 156: 586-588. Nov. 17, 1945. 472 N21
- 10903 FELSALL, A. Seasonal notes on horticultural projects from the Dominion Experimental Station Kentville, N. S. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1944) 81: 39, 41-43, 45-46. 82 N85
- 10904 KELSEY, H. P. Present-day plant name confusion. Horticulture 23: 519. Nov. 15, 1945. 80 H787
- 10905 MCCLEARY, A. Barrels for better berries and tastier tomatoes. Gard. Chron. Amer. 49: 326. Dec. 1945. 80 G1632
- 10906 OLSON, E. O. Horticultural work at Spearfish. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 15-16. 81 So86
- 10907 OVERHOLSER, E. L. A horticultural program for Virginia growers. Va. Fruit 34: 56-70. Jan. 1946. 81 V81B
- 10908 PINNEY, J. J. Beginning in the nursery business. Amer. Nurseryman 83(1): 11-12, 37. (Cont.) Jan. 1946. 80 Am371
- 10909 PLATT, D. As a gardener do you need to be saved from yourself? House Beautiful 88(1): 76, 116-118. Jan. 1946. 296.8 H81
- 10910 ROCKWELL, F. F. Storage check-up: maybe you put your vegetables and bulbs for winter storage away in a hurry, maybe with utmost care. In either case it will pay you to make a check-up. Home Gard. 6(6): 67-68. Dec. 1945. 80 H756
- 10911 SIDWELL, R. W. Evesham horticulture: a preliminary survey. Worcestershire Agr. Chron. 12: 249, 251, 253, 255, 257, 259, 261, 263. Nov. 1944. 10 W892
- 10912 TRESSLER, D. K. Plant breeding pays big dividends. Frosted Food Field 1(5): 17-18. Nov. 1945. 289.8 F922
- 10913 WEINARD, F. F. Recent scientific developments in greenhouse practices. Florists Exch. 105(23): 11, 49, 52. Dec. 8, 1945. 80 F666
- 10914 WESTON, T. A. Fresh air for coldframes. Home Gard. 6(6): 63-64. Dec. 1945. 80 H756
- 10915 WOODROFFE, F. B. New for gardens. 1. Better Homes & Gardens 24: 24-25. Jan. 1946. 80 F9424
- Vegetables, flowers, fruit.

Fruits--General

- 10916 ALDERMAN, W. H., and HARALSON, F. E. Fruit breeding farm report for 1945. Minn. Hort. 74(1): 3, 12-13. Jan. 1946. 81 M66
- 10917 DUARTE, G. L. California pruning by an old-timer. Amer. Fruit Grower 66: 22, 45. Jan. 1946. 80 G85
- 10918 GRUBB, W. H. Cherry and raspberry varieties. Worcestershire Agr. Chron. 13(1): 30-31, 33, 35, 37, 39, 41, 43. Mar. 1945. 10 W892
- 10919 MOORE, W. L. The grass farm orchard. Worcestershire Agr. Chron. 13(1): 91, 93-94. Mar. 1945. 10 W892
- 10920 MOSEGAARD, H. Nogle faa paragrafer af frugttræbeskaerengens grundlov. Haven 45: 99-100. Dec. 1945. 80 H29
- Directions for pruning fruit trees.
- 10921 NELSON, R. C. Raleo de frutas. Cons. Práct. 10(119): 1-3. Nov. 1945. 80 C762
- 10922 O., W. D. Simple rules for pruning [fruit trees and bushes]. Pop. Gard. 47: 316. Dec. 1, 1945. 80 G1622
- 10923 SHEWELL-COOPER, W. E. To help in the choice of cherries and soft fruit. Smallholder 74(1864): 11. Dec. 7, 1945. 10 Sml
- 10924 TOMALIN, T. E. The winter care of fruits under glass. Pop. Gard. 47: 314. Dec. 1, 1945. 80 G1622
- 10925 WALSTER, H. L. Three North Dakotans grow fruit where it can't grow. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 96-98. 81 So86



Fruits--Citrus and Subtropical

- 10926 ASHTON, J. A red-fleshed grapefruit from Texas. *Farm and Ranch* 64(12): 20-21. Dec. 1945. 6 T31
- 10927 BELMONT, F. Are we spoiling our orange trees? *Calif. Fruit and Veg. Rev.* 6(9): 80, 228, 230, 233-234. Dec. 1945. 80 C1224
- Culture.
- 10928 DEGENER, O. Hala kahiki--the Hawaiian pineapple. *Organic Gard.* 8(2): 57-59. Jan. 1946. 56.8 Or3
- 10929 EBELING, W. El cultivo de los cítricos en México, Colombia, Perú y Chile. *Hacienda* 40(12): 600-603. Dec. 1945. 6 H11
- 10930 FLORY, V. Mise à fruit des leitchis infertiles. *Guadeloupe. Serv. de l'Agr. Rev. Agr. (n. s.)* 2: 137-139. Sept. 1945. 8 R327
- 10931 FRANCE, J. G. So, you are going to be an avocado grower. *Calif. Citrog.* 31: 90-93. Jan. 1946. 80 C125
- 10932 GROSZMANN, H. M. Pineapple plant selection, with special reference to the elimination of inferior types. *Queensland Agr. J.* 61: 203-215. Oct. 1945. 23 Q33
- 10933 HODGSON, R. The major citrus fruit varieties. *Amer. Fruit Grower* 65(12): 10-11. Dec. 1945. 80 G85
- 10934 METCALF, W., and JOHNSTON, J. C. Wind-breaks for citrus groves. *Calif. Citrog.* 31: 100-101. Jan. 1946. 80 C125
- 10935 NIXON, R. W. The need for a monograph of the date varieties of the world. *Chron. Bot.* 9: 153-154. Autumn 1945. 450 C46
- 10936 RUTHERFORD, D. M. My orchard is on the up-grade. *Calif. Citrog.* 31: 86-88. Jan. 1946. 80 C125
- 10937 SILVA SANCHEZ, R., and SILVA SANCHEZ, J. M. El cultivo del chirimoyo. *Semenera* 2(3): 21-28. Sept. 1945. 9.5 Se5
- 10938 WAMPI, Clausena lansium, uma fruta ainda desconhecida. *Campo Rio de Janeiro*, 16(189): 19. Sept. 1945. 9.2 C15
- 10939 WYND, F. L. A citrus fruit is a berry. *Tex. Farming and Citric.* 22(6): 12. Dec. 1945. 80 T31

Fruits--Deciduous

- 10940 BLAKE, M. A. The Red Delicious apple has developed many faults. *N. J. State Hort. Soc. Hort. News* 26: 1753, 1764. Nov. 1945. 81 N46
- 10941 BLAKE, M. A., and DAVIDSON, O. W. Replanting peach orchards. *Amer. Fruit Grower* 66: 12, 38. Jan. 1946. 80 G85
- 10942 BROADFOOT, H., and WHITTAKER, E. C. The rehabilitation of pome fruit orchards in New South Wales. *Agr. Gaz. N. S. Wales* 56: 447-449. (Concl.) Oct. 1945. 23 N472
- 10943 CARLSON, R. F. Seasonal variation of the peach seed. *N. Y. Nursery Notes*, No. 21, p. 2, processed. Nov. 15, 1945. 80 N485
- 10944 CHARLEY, V. L. S. Varieties of apples and pears for cider and perry making and soft fruits for syrup production. *Worcestershire Agr. Chron.* 13: 71, 73, 75. Mar. 1945. 10 W892
- 10945 ELLENWOOD, C. W. Red strains of apples; a study of comparison with standard apple varieties. *East. Fruit Grower* 8(10): 8, 21, 23-25. Dec. 1945. 80 Ea73
- 10946 F., A. G. Helping you to choose the best cooking apples. *Pop. Gard.* 47: 316. Dec. 1, 1945. 80 G1622
- 10947 F., A. G. Helping you to choose the best pears. *Pop. Gard.* 47: 323. Dec. 8, 1945. 80 G1622
- 10948 FOSTER, H. T. For that home-grown flavor. *Better Homes & Gardens* 24: 14, 16. Jan. 1946. 80 F9424
- Fruit varieties.

- 10949 FRASER, H. The staking of fruit trees. *Gard. Illus.* 64: 716, 718. Dec. 1945. 80 G169
- 10950 HITCHINGS, G. G. Replanting apple orchards. *Amer. Fruit Grower* 66: 12, 49. Jan. 1946. 80 G85
- 10951 HOBBS, E. W., and CATLOW, E. The performance of certain varieties of pear on various rootstocks at Long Ashton. *Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt.* 1944: 21-30. 84 B77
- 10952 LAMBERTON, W. The planting of tree fruits. *Worcestershire Agr. Chron.* 12: 225, 227, 229, 231. Nov. 1944. 10 W892
- 10953 LARSEN, H. *Frugtraesernes ernæring* [Nutrition of fruit trees]. *Haven* 45: 70-72. Oct. 1945. 80 H29
- 10954 M., E. When root-pruning of fruit trees pays. *Pop. Gard.* 47: 348. Dec. 29, 1945. 80 G1622
- 10955 MASTERS, F. J. Plum varieties. *Worcestershire Agr. Chron.* 13(1): 61, 63, 65, 67, 69. Mar. 1945. 10 W892
- 10956 NOBURY, C. P. Apple and pear varieties. *Worcestershire Agr. Chron.* 13(1): 55, 57, 59. Mar. 1945. 10 W892
- 10957 PHILP, G. L. Improvement of sweet-cherry varieties for California. *Blue Anchor* 22(4): 18. Nov. 1945. 286.83 B62
- 10958 SAGER, R. How fast do apples grow during summer and fall? *N. J. State Hort. Soc. Hort. News* 26: 1756-1757. Nov. 1945. 81 N46
- 10959 SHEWELL-COOPER, W. E. Intensive growing of apples. *Field* 186: 377. Oct. 13, 1945. 10 F45
- 10960 TOMALIN, T. E. Fruit for winter dessert. *Pop. Gard.* 47: 348. Dec. 29, 1945. 80 G1622
- Some late varieties.
- 10961 TOOBY, J. Notes on planting cherries. *Worcestershire Agr. Chron.* 13: 223, 225, 227, 229. Aug. 1945. 10 W892
- 10962 V., O. If you are obliged to transplant fruit trees this is how the work should be done. *Pop. Gard.* 47: 338. Dec. 22, 1945. 80 G1622

Fruits--Small

- 10963 BAIN, H. F. Blooming and fruiting habits of the cranberry in Wisconsin. *Cranberries* 10(9): 11. Jan. 1946. 80 C852
- 10964 C., L. E. Consideraciones sobre la poda de la vid. *Campesino [Santiago]* 77: 627-629. Nov. 1945. 9.3 Sol2
- 10965 DOEHLERT, C. A. Some progress in cranberry investigations in 1945. *Amer. Cranberry Growers' Assoc. Proc. Ann. Conv.* (1945) 76: 23-25. 81 Am35C
- Includes use of kerosene for control of Carex.
- 10966 FENNELL, J. L. The tropical grape. *Sci. Monthly* 61: 465-468. Dec. 1945. 470 Sci23
- Spanish version in *Inst. de Defensa del Café de Costa Rica* 15: 370-382. July/Aug. 1945. 68.28 C82
- 10967 KLEIN, J. Grape varieties for new plantings. *Calif. Cult.* 93(1): 1, 12-13. Jan. 5, 1946. 6 C12
- Grape culture discussed by Dr. A. J. Winkler at grape institutes in California.
- 10968 L., F. Blackberries are easy to manage. *Pop. Gard.* 47: 348. Dec. 29, 1945. 80 G1622
- 10969 TURNBULL, J. Blackcurrant and strawberry varieties. *Worcestershire Agr. Chron.* 13(1): 45, 47, 49, 51, 53. Mar. 1945. 10 W892
- 10970 WHITNEY, D. J. High trellises for grapes. *Calif. Cult.* 93(1): 3. Jan. 5, 1946. 6 C12
- 10971 WINKLER, A. J. Grape plantings during 1945. *Wines & Vines* 26(12): 26-27. Dec. 1945. 95.8 C122

Nuts

- 10972 SLATE, G. L. Nut trees for northern gardens. Horticulture 23: 484. Nov. 1, 1945. 80 H787

Ornamental Plants

- 10973 ANDERSON, A. W. The story of the chrysanthemum. Gard. Chron. Amer. 49: 315-316. Dec. 1945. 80 G1632
- 10974 ANDERSON, E. Can we grow the snow trillium [Trillium nivale] in Missouri? Mo. Bot. Gard. B. 33: 227. Dec. 1945. 451 M69B
- 10975 ANLEY, G. Florists' flowers. VII. The iris. Roy. Hort. Soc. J. 70: 348-353. Dec. 1945. 84 L84J
- 10976 ARNOLD ARBORETUM. Viburnums for the northern United States. Arnoldia 5: 57-63. Nov. 23, 1945. 451 ArbBa
- 10977 B., A. G. Single versus double flowers. Gard. Chron. 118: 220-221. Nov. 24, 1945. 80 G162
- 10978 BAKER, R. W. Thrills from house plants. Flower Grower 33(1): 21, 44, 46. Jan. 1946. 80 M72
- 10979 BALDWIN, E. C. Growing Primulas in New York. Amer. Primrose Soc. Q. 3: 34-38. Jan. 1946. 96.575 Am3
- 10980 BALL, G. J. Some facts on the subject of producing double or single stocks. Florists' Rev. 97(2504): 37-38. Nov. 22, 1945. 80 W41
- 10981 BALTHIS, F. K. Are these in your garden? Gard. Chron. Amer. 50: 6. Jan. 1946. 80 G1632
- Belamcanda chinensis, Asarum canadense, Lycoris squamigera, Dictamnus albus, and Mertensia paniculata
- 10982 BECK, MRS. J. C. The hardy primrose in Tennessee. Amer. Primrose Soc. Q. 3: 42. Jan. 1946. 96.575 Am3
- 10983 BEILMANN, A. P. The short-leaf pine. Mo. Bot. Gard. B. 33: 223-226. Dec. 1945. 451 M69B
- 10984 BIDDLE, D., and BLOM, D. Have a winter variety show. Flower Grower 33(1): 54-55. Jan. 1946. 80 M72
- 10985 BLOESE, A. F. Double duty iris give spring and fall bloom. Home Gard. for South 5: 223, 231. Dec. 1945. 80 H755
- 10986 BROWN, J. R. Adromischus sphenophyllus. Cactus and Succulent J. 17: 150-151. Nov. 1945. 451 C11
- 10987 BROWN, P. D. Shrubs in landscape design. Northwest Gard. 13(10): 8-9, 30-31. Dec. 1945. 80 N813
- 10988 BROWN, P. D. The use of trees in landscape design. Northwest Gard. 13(9): 10-11. Nov. 1945. 80 N813
- 10989 BUXTON, B. Christmas window garden. Begonian 12: 227, 234. Dec. 1945. 96.511 B39
- 10990 CASEY, J. From one extreme [Echinopsis multiplex] to the other [Stapelia variegata]. Home Gard. for South 5: 232, 235. Dec. 1945. 80 H755
- 10991 CHAPPLE, F. J. The white heaths and heathers; species and varieties to provide flowers throughout the year. Gard. Illus. 64: 730. Jan. 1946. 80 G169
- 10992 CLARK, A. M. B. Grey Feather. Begonian 12: 228-229. Dec. 1945. 96.511 B39
- 10993 CLARK, A. M. Dichroa crosses of Rosecroft [Pt. Loma, Calif.]. Begonian 12: 210-212, 216. Nov. 1945. 96.511 B39
- Hybrids of Begonia dichroa.
- 10994 CODRINGTON, J. The art of street gardening The case for a little imagination in city by-ways. Country Life [London] 98: 824-825. Nov. 9, 1945. 80 C83
- 10995 COOK, M. L. The Paulownia tree. Flower Grower 32: 586. Dec. 1945. 80 M72
- 10996 COOMBS, S. V. Crinums. Flower Grower 33(1): 42. Jan. 1946. 80 M72
- 10997 COPPENS, P. White amaryllis. Flower Grower 33(1): 28-29. Jan. 1946. 80 M72
- 10998 COULTER, F. C. Christmas legends live in plants. Home Gard. 6(6): 55-56. Dec. 1945. 80 H756
- 10999 COVELL, C. V. Roses for you. Calif. Hort. Soc. J. 6: 296-299. Oct. 1945. 81 C1293
- 11000 COYLE, G. Jungle figures. Gard. Chron. Amer. 50: 18. Jan. 1946. 80 G1632
- Cypress knees in flower arrangement.
- 11001 CRAIG, T., and FIELDING, R. W. Some bulbs from South Africa. Calif. Hort. Soc. J. 6: 288-295. Oct. 1945. 81 C1293
- 11002 CRONK, L. M. How to buy cut flowers. Home Gard. 6(6): 28-32. Dec. 1945. 80 H756
- 11003 CUMBERLAND, J. P. What has happened to the Scarborough lily [Vallota speciosa]? Gard. Chron. 118: 230-231. Dec. 1, 1945. 80 G162
- Disappearance from general culture.
- 11004 CUTAK, L. A Brazilian air cactus [Rhipsalis]. Mo. Bot. Gard. B. 33: 228-230. Dec. 1945. 451 M69B
- 11005 DARNELL, MRS. J. C. From beggar to queenship. The sinnia. Back to Eden 12(6): 2. Jan. 1946. 80 B12
- 11006 DARNELL, MRS. J. C. Japanese wisteria and yew [Taxus cuspidata]. Back to Eden 12(6): 5. Jan. 1946. 80 B12
- 11007 DEGROOT, T. Forcing spring bulbs. Florists' Rev. 97(2507): 33. Dec. 13, 1945. 80 W41
- 11008 DELWORTH, C. Chrysanthemum varieties. Ohio Florists' Assoc. Monthly B. 195, p. 2-5, processed. Dec. 1945. 81 Oh36
- 11009 DONEY, C. Plant for permanence; the hollies. Flower Grower 33(1): 23, 46. Jan. 1946. 80 M72
- 11010 DOWNES, A. C. Autumn colour. Gard. Chron. 118: 228. Dec. 1, 1945. 80 G162
- Colorful ornamentals in the garden.
- 11011 DOWNING, F. Garden Impatiens. Flower Grower 33(1): 28. Jan. 1946. 80 M72
- 11012 DUNCOMB, M. Partridge pea [Chamaecrista fasciculata]. Back to Eden 12(6): 5. Jan. 1946. 80 B12
- 11013 DU PONT, MRS. W. K. Dendrobium crosses at Still Pond. Amer. Orchid Soc. B. 14: 337. Jan. 7, 1946. 80 Am329
- 11014 EATON, E. M. Grow your own geraniums from seed. Flower Grower 33(1): 29. Jan. 1946. 80 M72
- 11015 EVANS, E. H. Glory lilies [Gloriosa]. Home Gard. for South 5: 220-221. Dec. 1945. 80 H755
- 11016 EVERETT, T. H. Plant portraits; Eucharis grandiflorus, Chrysogonum virginianum, and Urginea maritima. Gard. Chron. Amer. 49: 320-321, 328. Dec. 1945. 80 G1632
- 11017 EVERETT, T. H. Plant portraits [Tacca; Piquis rigida]. Gard. Chron. Amer. 50: 14-15. Jan. 1946. 80 G1632
- 11018 F. How I raise primulas. Pop. Gard. 47: 349, Dec. 29, 1945. 80 G1622
- 11019 FOSTER, M. B. Do you know the bromeliads? II. Cactus and Succulent J. 17: 152-154. Nov. 1945. 451 C11
- 11020 FREE, M. Give your house plants a chance to live. Home Gard. 6(6): 17-21. Dec. 1945. 80 H756
- 11021 FREE, M. Winter sideline for greenhouse fans. Home Gard. 6(6): 11-15. Dec. 1945. 80 H756
- Ornamentals.
- 11022 GILBERT, P. A. Orchids and their culture. Starting a collection. Austral. Gard. Lover 21(7): 5, 7; (8): 5. (Cont.) Oct., Nov. 1945. 80 G1615



11023 GRAVELY, F. H. Indian lawn grasses. Bombay Nat. Hist. Soc. J. 45: 444. Sept. 1945. 513 B63

11024 GRAVES, A. H. Poinsettia: mystery flower. Plants & Gard. 1: 198-200. Winter 1945. 450 P964

11025 GRAYSON, E. C. For a special friend--choose a special plant. Home Gard. 6(6): 69-71. Dec. 1945. 80 H756  
House plants.

11026 H., G. R. Take cuttings for big-bloom chrysanthemums. Pop. Gard. 47: 325. Dec. 8, 1945. 80 G1622

11027 HADDRELL, B. Leucothoe catesbaei. Flower Grower 32: 586-587. Dec. 1945. 80 M72

11028 HADDRELL, B. The Tiny Tim plant [Crassula]. Horticulture 23: 556. Dec. 15, 1945. 80 H787

11029 HAINSLIP, M. P. English cottage carnations rate high. Better Homes & Gard. 24(5): 67. Feb. 1946. 80 F9424

11030 HANGER, F. The cultivation of rhododendrons. Roy. Hort. Soc. J. 70: 355-362. Dec. 1945. 84 L84J

11031 HANSEN, W. F. Haengepil [Weeping willow (Salix alba tristis)]. Haven 45: 67-68. Oct. 1945. 80 H29

Description and its use in the garden.

11032 HASTINGS, W. R. All-America Selections. Florists' Rev. 97(2510): 39. Jan. 3, 1946. 80 W41  
Description of several of the flowers selected.

11033 HASTINGS, W. R. Three petunias, one Dianthus accorded honor. South. Florist and Nurseryman 58(40): 11-12. Jan. 4, 1946. 80 So86  
All-America Selections.

11034 HIEKESCH, M. How to grow palms from seeds. Back to Eden 12(6): 6-7. Jan. 1946. 80 B12

11035 HIGINBOTHAM, B. W. Holly. Nat. Hist. 54: 457-459. Dec. 1945. 500 N483J

11036 HILL, E. C. Raising roses from cuttings. Gard. Gossip 20(12): 12. Dec. 1945. 80 G1625

11037 HOLLEY, W. D. Adventures in improving begonias. Begonian 12: 225-226. Dec. 1945. 96.511 B39

11038 HOLLEY, W. D. Plant breeding in relation to better development of industry. Florists' Exch. 105(22): 13, 19, 25, 28-29. Dec. 1, 1945. 80 F666

11039 HOWLAND, J. E. Small trees won't crowd you; even a small lot can have its trees. Better Homes & Gard. 24: 36, 86-88. Jan. 1946. 80 F9424

11040 HUDSON, R. G. This is how I cure my tuberous begonias. Begonian 12: 236. Dec. 1945. 96.511 B39

11041 HUTTENLOCHER, F. Charm and cheer from a dollar's worth of cut flowers. Better Homes & Gard. 24(6): 102, 104. Feb. 1946. 80 F9424

11042 INGALLS, N. M. The Argemone in Vermont. Horticulture 23: 518. Nov. 15, 1945. 80 H787

11043 INGALLS, N. M. Jeweled flowered Talinum [T. paniculatum]. Horticulture 23: 555-556. Dec. 15, 1945. 80 H787

11044 INGALLS, N. M. My marigold twins. Horticulture 23: 516. Nov. 15, 1945. 80 H787

11045 INGWERSEN, W. Plants for the cold greenhouse [Ranunculus calandrinoides, Weldenia candida, Gilia californica]. Gard. Illus. 64: 731. Jan. 1946. 80 G169

11046 IREYS, A. R. Layout of the small place. A city entrance garden. Plants & Gard. 1: 196-197. Winter 1945. 450 P964

11047 J., N. P. Stander til drivning i stuen. Haven 45: 91. Nov. 1945. 80 H29

Perennial plants to be grown indoors and their culture.

11048 JEFFERY, F. W. Standard trees and shrubs. Gard. Chron. 118: 260. Dec. 22, 1945. 80 G162

11049 JERABEK, C. I. Intriguing Christmas decorations. Calif. Gard. 36(4): 1. Winter 1945. 80 G127

Lists many California plants.

11050 JOHNSON, A. T. Some rose hybrids. Roy. Hort. Soc. J. 70: 331-332. Nov. 1945. 84 L84J

11051 JONES, R. W. Orchids are big business. Amer. Orchid Soc. B. 14: 311-321. Jan. 7, 1946. 80 Am329

Culture.

11052 KALLENBACH, V. Fall blooming iris. Back to Eden 12(6): 6. Jan. 1946. 80 B12

11053 KAMMERER, E. L. Know shapes of trees and shrubs, before you plant. Morton Arboretum B. Pop. Inform. 20: 39-57. Sept./Oct. 1945. 99.9 MB4

11054 KEENE, P. L. Care of house plants. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 70. 91 So86

11055 KLINE, F. W. Experiments with caladiums. Flower Grower 33(1): 48. Jan. 1946. 80 M72

11056 KNAPP, MRS. A. Lilium regale--the easy lily. Hort. Soc. N. Y. Monthly B. 16(12): 4-5. Dec. 1945. 81 N482M

11057 KNOCK, F. Know the Naegelia. Gard. Chron. Amer. 49: 316. Dec. 1945. 80 G1632

11058 KOBUSKI, C. E. British gardens in war time as seen by an American soldier. Arnoldia 5: 77-88. Dec. 21, 1945. 451 Ar6Ba

11059 KOHL, P. A. Wistaria. Mo. Bot. Gard. B. 33: 219-221. Dec. 1945. 451 M69B

11060 KRAUSS, H. K. New Begonia name [B. semper-florens-cultorum] proposed. N. Y. Bot. Gard. J. 4: 290-291. Dec. 1945. 451 N48J

11061 L., R. S. Trilliums for your garden. Home Gard. 6(6): 50. Dec. 1945. 80 H756

11062 LARSEN, E. L. Pehr Kalm's observations concerning the usefulness of the American so-called cockspur hawthorn [Crataegus crusgalli] for quickest hedges. Agr. Hist. 19: 254-255. Oct. 1945. 30.98 Ag8

11063 LEVY, F. Standards of excellence for garden polyanthus, garden auriculas, acaulis and juliae hybrids. Amer. Primrose Soc. Q. 3: 44-47. Jan. 1946. 96.575 Am3

11064 LINK, C. B. The Christmas hollies. Plants & Gard. 1: 203-206. Winter 1945. 450 P964

11065 LINK, C. B. Your poinsettia for and after Christmas bloom. Plants & Gard. 1: 201-202. Winter 1945. 450 P964

11066 LONGLEY, L. E. New Minnesota garden chrysanthemums. Minn. Hort. 74(1): 13. Jan. 1946. 81 M66

11067 LYMAN, MRS. W. P. Two spectacular shrubs [Weigela, Althaea]. Flower Grower 33(1): 28. Jan. 1946. 80 M72

11068 M., M. An expert's choice of sweet-scented roses. Pop. Gard. 47: 325. Dec. 8, 1945. 80 G1622

Includes flower arrangement.

11070 MCFARLAND, J. H. Roses in the new year. Flower Grower 33(1): 50-51. Jan. 1946. 80 M72

11071 MCFARLAND, J. H. Two-story rose plants. Organic Gard. 8(2): 7-10. Jan. 1946. 56.8 Or3

11072 MANN, M. Plants with roots in America. Calif. Gard. 36(4): 2. Winter 1945. 80 G127  
Ornamentals.

11073 MATHAE, MRS. F. Cowboy lilies [Oenothera]. Flower Grower 32: 587. Dec. 1945. 80 M72

- 11074 MATHER, L. *Oenothera caespitosa*. Back to Eden 12(6): 6. Jan. 1946. 80 B12
- 11075 MATTHEWS, P. M. These are the flowers I grow for sale; the garden provides an amateur with pocket money. *Pop. Gard.* 47: 342. Dec. 22, 1945. 80 G1622
- 11076 MEYER, H. Foundation plantings--giving the nurseryman ideas? *Organic Gard.* 8(2): 41-42. Jan. 1946. 56.8 Or3
- 11077 MILES, E. B. Cold weather irises. *Horticulture* 23: 507. Nov. 15, 1945. 80 H787
- 11078 MITCHELL, R. F. Travels with a gardener. *Calif. Hort. Soc. J.* 6: 300-305. Oct. 1945. 81 C1293  
Gardens along Pacific Coast, Washington and Canada.
- 11079 MORA, H. E. La capital de las rosas está en Buenos Aires. *Chacra* 16(181): 52-53. Nov. 1945. 9 C34
- 11080 NEARING, G. G. Breeding dwarf rhododendrons. *Amer. Rock Gard. Soc. B.* 3: 84-87. Nov./Dec. 1945. 81 Am342
- 11081 NIEMEIER, J. G. The prolific Sunset lilies [*Lilium pardalinum giganteum*]. *Horticulture* 23: 507. Nov. 15, 1945. 80 H787
- 11082 NOER, O. J. How to improve postwar turf maintenance. *Golfdom* 19(10): 13-16, 56-58. Fall 1945. 60.18 G58
- 11083 OLDS, L. M. Shades of our ancestors. *Amer. Home* 35: 59-61. Jan. 1946. 80 Am313  
Gardening problems under shade trees.
- 11084 OXYCEDRUS, J. Overlooked berried shrubs. *Horticulture* 23: 566. Dec. 15, 1945. 80 H787
- 11085 PESCOFF, E. E. Melbourne flowering trees' wonderful colour display. *Stock and Land* 35(41): 2. Oct. 10, 1945. 49 St63
- 11086 PFISTER, C. E. The 1946 novelty roses. *Flower Grower* 33(1): 24-26. Jan. 1946. 80 M72
- 11087 PIKE, A. V. *Smilacina racemosa*. *Gard. Chron.* 119(3080): 9. Jan. 5, 1946. 80 G162
- 11088 PONCE DE LEÓN, A. Árboles de la flora de Cuba más apropiados para calles y paseos. *Soc. Cubana de Bot. Rev.* 2: 104-106. July/Aug. 1945. 451 Sol23
- 11089 PONTING, C. Miniature trees to grow in pots indoors. *Pop. Gard.* 47: 334. Dec. 15, 1945. 80 G1622
- 11090 POST, K. W. Self-watered plants. *Better Homes & Gard.* 24(6): 134-135. Feb. 1946. 80 F9424
- 11091 REINHART, MRS. R. Care and propagation of house plants. *S. Dak. State Hort. Soc. Ann. Rpt.* (1945) 42: 49-55. 81 So86
- 11092 RICHARDSON, L. This daisy *Dimorphotheca* is a dandy. *Better Homes & Gard.* 24(6): 125. Feb. 1946. 80 F9424
- 11093 RICHTER, E. M. The meeting place. *Amer. Orchid Soc. B.* 14: 333-336. Jan. 7, 1946. 80 Am329  
Orchid collection at Ronaele Farms, Pa.
- 11094 RIES, V. H. Ferns in the home. *S. Dak. State Hort. Soc. Ann. Rpt.* (1945) 42: 76-78. 80 So86
- 11095 RIES, V. H. Summer care of house plants. *S. Dak. State Hort. Soc. Ann. Rpt.* (1945) 42: 82-83. 81 So86
- 11096 ROBERSON, F. K. Dwarf roses. *Northwest Gard.* 13(10): 15. Dec. 1945. 80 N813
- 11097 ROBSON, J. S. Setting up and maintaining flower show exhibit. *Begonian* 12: 230, 238. Dec. 1945. 96.511 B39
- 11098 ROCKWELL, F. F. Bring in the bulbs. *Home Gard.* 6(6): 57-58. Dec. 1945. 80 H756  
Indoor culture.
- 11099 SCHEFFLER, R. More profits from flowers. *Florists' Rev.* 97(2512): 45. Jan. 17, 1946. 80 W41  
Greenhouse culture.
- 11100 SCHLEY, A. Tall-growing *Tithonias*. *Horticulture* 23: 516. Nov. 15, 1945. 80 H787
- 11101 SCHMIDT, M. G. Flowering rock. *Calif. Hort. Soc. J.* 6: 306-313. Oct. 1945. 81 C1293
- 11102 SECKMAN, M. C. What's in a name? *Flower Grower* 33(1): 25. Jan. 1946. 80 M72  
Naming of new roses a hobby of Edwin P. Sinnock.
- 11103 SEELEY, J. G. Cornell discusses flower crops with salesmen; new methods, diseases, insecticides on agenda. *South. Florist and Nurseryman* 58 (38, i. e. 39): 5-8. Dec. 21, 1945. 80 So86  
Second annual conference of salesmen of florists supplies at Cornell University.
- 11104 SEYMOUR, E. L. D. Tomorrow's garden will be as different as tomorrow's house. *Amer. Home* 35: 53-54, 56, 58. Jan. 1946. 80 Am313
- 11105 SHAW, M. C. Gift-plants and their care. *Gard. Chron. Amer.* 49: 313. Dec. 1945. 80 G1632
- 11106 SHAW, M. C. Torch lilies [*Kniphofia*]. *Home Gard. for South* 5: 222. Dec. 1945. 80 H755
- 11107 SMITH, MRS. G. "Tribute tree" for churches. *Horticulture* 23: 554. Dec. 15, 1945. 80 H787  
Memorial plantings.
- 11108 SMITH, M. R. Purple-leaved spiderwort [*Rhoeo discolor*]. *Horticulture* 23: 556. Dec. 15, 1945. 80 H787
- 11109 SPENCER, J. B. A better street tree [Ginkgo]. *Family Herald and Weekly Star* 76(52): 6. Dec. 26, 1945. 7 F21
- 11110 STEELE, F. The evolution of a bare prairie farmstead. *Farm and Ranch Rev.* 41(12): 9. Dec. 1945. 7 F222
- 11111 STERN, W. T. Some *Polygonums*. *Gard. Chron.* 118: 170-171. Oct. 20, 1945. 80 G162
- 11112 STETSON, MRS. J. M. Success with all rules broken. *Horticulture* 23: 554. Dec. 15, 1945. 80 H787  
Culture of *Saintpaulia*.
- 11113 SYMMES, M. Adelante. Part II: the terrace and the long pool. *Calif. Hort. Soc. J.* 6: 314-318. Oct. 1945. 81 C1293  
Description of ornamental plants used in landscaping
- 11114 T., G. C. Winter colour; trees and shrubs which bring beauty and distinction to the winter garden landscape. *Gard. Illus.* 64: 705-706. Dec. 1945. 80 G169
- 11115 TALBOT, J. My winter window. *Gard. Chron. Amer.* 49: 325. Dec. 1945. 80 G1632
- 11116 TEGTMEIER, A. Southwestern wild flowers. *Back to Eden* 12(6): 1. (To be cont.) Jan. 1946. 80 B12
- 11117 TOMALIN, T. E. Mid-winter flowers bring colour and fragrance to garden and home. *Pop. Gard.* 47: 341. Dec. 22, 1945. 80 G1622
- 11118 TURNER, A. B. Strangers in my garden. *Horticulture* 23: 553. Dec. 15, 1945. 80 H787  
New annual plants.
- 11119 W. Plant tulips for spring colour. *Pop. Gard.* 47: 325. Dec. 8, 1945. 80 G1622
- 11120 W., A. L. Grow these annual flowers from seeds. *Pop. Gard.* 47: 349. Dec. 29, 1945. 80 G1622
- 11121 W., D. *Richea scoparia*. *Gard. Chron.* 118: 227. Dec. 1, 1945. 80 G162
- 11122 W., T. A. Lilies like it hot. *Home Gard.* 6(6): 21. Dec. 1945. 80 H756
- 11123 WADHAMS, C. Orchids in gravel culture. *Gard. Chron. Amer.* 50: 9-10. Jan. 1946. 80 G1632
- 11124 WALMSLEY, L. Winter-flowering bulbs. *Gard. Illus.* 64: 709-711. Dec. 1945. 80 G169



11125 WATERS, E. Roses in a Yorkshire garden; a selection of twenty-four varieties which is based on personal experience. Gard. Illus. 64: 726-727. Jan. 1946. 80 G169

11126 WATTS, M. T. Cones of the arboretum. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 84-85. 81 So86

11127 WESTON, T. A. Untangling Amaryllis names. Horticulture 23: 510. Nov. 15, 1945. 80 H787

11128 WHITEHEAD, S. B. Labour saving in the garden [through landscape gardening]. Field 186: 512. Nov. 17, 1945. 10 F45

11129 WHITEHEAD, S. B. Shrubbery planning and planting. Field 186: 350. Oct. 5, 1945. 10 F45

11130 WILCOX, R. S. Roving with roses. Minn. Hort. 74(1): 11-12. Jan. 1946. 81 M66  
New varieties of roses.

11131 WILKES, M. Fancy leaved caladiums. Begonian 12: 237. Dec. 1945. 96.511 B39

11132 WILLS, J. B. Althea flower of late summer. Horticulture 23: 508. Nov. 15, 1945. 80 H787

11133 WILSON, H. VAN P. Fruit seeds for fun. Home Gard. 6(6): 85. Dec. 1945. 80 H756  
Grown as house plants.

11134 WILSON, H. VAN P. What do you see from your winter windows? Home Gard. 6(6): 73-74. Dec. 1945. 80 H756  
Landscape gardening.

11135 WINFIELD, M. O. Gardens in the North. Persistent gardeners stage successful flower shows in Manitoba's rocky north country. Family Herald and Weekly Star 76(1945): 5. Nov. 14, 1945. 7 F21

11136 WOODROFFE, F. B. 9 new roses; ways to grow them. Better Homes & Gard. 24(6): 33. Feb. 1946. 80 F9424

11137 WOOLMAN, J. New chrysanthemums. Gard. Chron. 118: 260-261. Dec. 22, 1945. 80 G162

11138 WORTH, C. R. More hybrids of Primula juliae. Amer. Primrose Soc. Q. 3: 39. Jan. 1946. 96.575 Am3

11139 WYMAN, D. Lazy man's hedge. Home Gard. 6(6): 95-102. Dec. 1945. 80 H756

11140 YARHAM, F. R. The Kauri pine. Gard. Chron. 118: 210-211. Nov. 17, 1945. 80 G162  
Agathis australis.

11141 ZEVITAS, E. J. Espalier ornamentals. Horticulture 23: 556. Dec. 15, 1945. 80 H787

#### Vegetable and Truck Crops (Including Potatoes)

11142 AGNEW, F. Growing the sebago potato on the Agnew farms. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 118-119. 75.9 Oh3

11143 ASHTON, J. R. Lettuce production under glass in Lancashire. N. F. U. Rec. 24: 64-65. Dec. 1945. 281.8 N21

11144 BARRONS, K. C. The field snapping method of harvesting asparagus. Mich. Agr. Expt. Sta. Q. B. 28: 111-114. Nov. 1945. 100 M58

11145 BENNETT, E. R. The fall victory garden. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 46-47. 81 So86

11146 BERTELSEN, J. Asparagus for enhver [Asparagus for everybody]. Haven 45: 104. Dec. 1945. 80 H29

Directions for cultivation of asparagus.

11147 BOSWELL, V. R. Disease-resistant and hardy varieties of vegetables. Natl. Hort. Mag. 24: 268-273. (Cont.) Oct. 1945. 80 N216

11148 BROWN, H. D. Recent researches of interest to vegetable growers. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 72-80. 75.9 Oh3

11149 CAMARGO, L. DE S. Cultura do repolho. Campo [Rio de Janeiro] 16(189): 17-19. Sept. 1945. 9.2 C15

11150 CAMPBELL, J. C. Potato varietal tests in 1945. Hints to Potato Growers 26(8): 3-4. (Cont.) Dec. 1945. 75.9 H59

11151 COPLEY, G. H. These are the sure-to-sell varieties [of vegetables]. Smallholder 74(1866): 7. Dec. 21, 1945. 10 Sml

11152 DROZDOV, N. Kul'tura fasoli v necherno-zemnoi polose Sotuzna SSR [Cultivation of beans in the non-black soil area of USSR]. Sovkhoz. Proizvod. 5(6): 17-19. June 1945. 20 So85

11153 EDWARDS, C. Experiences with potato varieties. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 109-110. 75.9 Oh3

11154 FENNELL, J. L. A new tomato for the Tropics. Agr. in the Americas 5: 233-234. Dec. 1945. 1 F752A

11155 FOREST, B. Expériences sur diverses espèces et variétés de légumes. Terre de Chez Nous 18(12): 7, 12. Dec. 26, 1945. 7 T27

11156 G., A. V. My successes and failures with potatoes. Pop. Gard. 47: 347. Dec. 29, 1945. 80 G1622

Varieties.

11157 GREENSHIELDS, R. M. Notes on seed potatoes in Scotland. Scotland. Dept. Agr. Farm Econ., No. 10, p. 10-12. Autumn 1945. 281.9 Sco3F

11158 HANNA, G. C., and KNOTT, J. E. Cabbage variety adaptation studies. Truck Crops Mimeo [Calif. Sta.] 35, 13 p., processed. Oct. 1945. 81 C1255

11159 HARDENBURG, E. V. American seedsmen as vendors of seed potatoes. Amer. Potato J. 22: 373-375. Dec. 1945. 75.8 P842

Desirability of cooperation of horticultural experts with commercial seedsmen.

11160 HARDENBURG, E. V. The new potato varieties. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 113-117. 75.9 Oh3

11161 HOFFMAN, I. C. High lights of the 1943 greenhouse cultural experience. Ohio Veg. and Potato Growers Assoc. Proc. 1944 (29): 156-162. 75.9 Oh3

11162 HOFFMAN, I. C. Selecting leaf lettuce. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 152-156. 75.9 Oh3

11163 HOWLETT, F. S. Comparative value of growth regulating chemicals for greenhouse tomato production. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 162-170, 172, 174, 176, 178, 180. 75.9 Oh3

11164 ING, E. G. Tomato trials at Perdiswell, 1944. Worcestershire Agr. Chron. 12: 263, 265. Nov. 1944. 10 W892

11165 ISBELL, C. L. The truth is revealed on Alagold vumpkins. This Month in Rural Ala., Dec. 1945, v. 5. 6 T34

11166 JACK, J. S. If you must grow vegetables for show. Home Gard. 6(6): 65-66. Dec. 1945. 80 H756

11167 KADAM, B. S., and others. Chafa [Cicer arietinum]--a new variety of gram for Bombay. Indian Farming 6: 444-446. Oct. 1945. 22 In283  
V. K. Patnakar, S. M. Patel, and B. E. Chaudhari, joint authors.

11168 KESWICK, R. C. Imperial 410, a new variety of lettuce. Seed World 58(9): 46. Nov. 2, 1945. 61.8 Se52

11169 LEE, M. H. Tampala [Amaranthus gangeticus], a new vegetable. Home Gard. for South 5: 234. Dec. 1945. 80 H755

- 11170 LIBBY, W. C. New potato varieties; 30 States cooperate with U. S. Department of Agriculture. Merrimack's Monthly Messenger 7(11): 4, 10. Nov. 1945. 6 M55
- 11171 LOWER, F. Potato varieties in Columbiana County. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 120-124. 75.9 Oh3
- 11172 LUNDEN, A. P. Synonymy i potetavlén (Synonyms in the potato culture). Norges Landbrukshøgsk. Meld. 25: 101-139. 1945. 104 N762M. English summary.
- Identification of varieties, including a list of synonyms, p. 120-135.
- 11173 MARIN, L. Chile. Agr. y Ganad. 20(12): 17-21. Oct. 31, 1945. 8 Ag834
- 11174 MEYER, H. Lamb's quarters. Organic Gard. 8(2): 12-14. Jan. 1946. 56.8 Or3
- Species of Chenopodiaceae.
- 11175 MOLL, A. C. Evergreen type hybrids lead in Ohio Sweet corn trials. Canner 102(3): 12. Jan. 5, 1945. 286.83 C16
- 11176 NEME, N. A. Culturas acessórios na fazenda de café. Feijão. São Paulo. Supt. dos Serv. do Café. B. 20: 661-664. June 1945. 68.29 Sa63
- 11177 NORMAN, C. An amateur's experiment; tomatoes succeed in 4 inches of soil. Pop. Gard. 47: 347. Dec. 29, 1945. 80 G1622
- 11178 PICKETT, B. S. New sweet corn varieties for Rio Grande delta. Tex. Farming and Citric. 22 (6): 4. Dec. 1945. 80 T31
- 11179 POTATOES, potash and Phytophthora infestans. By Varro. Field 186: 378. Oct. 13, 1945. 10 F45
- 11180 POUND, E. J. Can you grow a tomato tree? Agr. Soc. Trinidad & Tobago. Proc. 45: 119, 121. Apr./June 1945. 8 T73
- 11181 PREVAL, C. J., and LAROCHE, R. Culture du pois mung. Rev. Agr. d'Haiti, No. 1, p. 47-51. 1945. 8 R3241
- 11182 PUSKARNATH. Potato sprouts as a source of "seed." Cur. Sci. 14: 236-237. Sept. 1945. 475 Sci23
- 11183 RAMÍREZ MARTÍN, J. Siembra de cebolla en la municipalidad de Guaynabo. Rev. de Agr., Indus. y Com. de Puerto Rico 36: 23-24. Jan./June 1945. 8 R325
- 11184 ROBINSON, R. A. Laying down a market rhubarb bed. Smallholder 74(1864): 7. Dec. 7, 1945. 10 Sml
- 11185 ROCK-RIBBED taro. Hawaii Farm and Home 8(12): 17, 30. Nov. 1945. 25 H3191
- 11186 ROYER, V. A. Potato varieties. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 117. 75.9 Oh3
- 11187 SANTOS BILONI, J. Plantas indígenas de fruto comestible: el "tomate del monte" Cyphomandra betacea. Chacra 15(180): 22, 31. Oct. 1945. 9 C34
- 11188 SILVA SÁNCHEZ, J. M. Las papas cultivadas racionalmente producen cosechas sanas y de buen rendimiento. Manabí, Ecuador. Consorcio de Cent. Agr. B. 7(43): 11-12. July/Sept. 1945. 9.5 M31
- 11189 SMITH, R. W. Hints for the victory gardener. The tepary. Organic Gard. 8(2): 34-35. Jan. 1946. 56.8 Or3
- 11190 SOMERS, L. A. The Cook County vegetable growers' field day. Ill. Veg. Growers B. 5(3, 1. e. 4): 9-11. Dec. 1945. 80 IL69
- 11191 TOMALIN, T. E. Winter cultivation leads to better crops next summer. Pop. Gard. 47: 330. Dec. 15, 1945. 80 G1622
- 11192 UMOSSELLE, S. Rhubarb in the cellar. Horticulture 23: 563. Dec. 15, 1945. 80 H787
- Forcing rhubarb.
- 11193 ZYKOV, D. Agrotehnika gorokha dlia Srednei Azii [An agricultural technique of peas for Central Asia]. Sovkhoz. Proizvod. 5(6): 19-20. June 1945. 20 So85

## WEEDS AND POISONOUS PLANTS

- 11194 ARCENEAUX, G. A new weed on the spread in Louisiana. Sugar B. 24: 35-36. Dec. 1, 1945. 65.9 Am32
- Colocasia esculenta aquatilis, or wild taro.
- 11195 ARNOLD, C. Weed control in carrots with oil sprays. Ill. Veg. Growers B. 5(3, 1. e. 4): 15-16. Dec. 1945. 80 IL69
- 11196 AVERY, G. S., JR. Lawns, weeds, and 2-4-D. Plants & Gard. 1: 206-209. Winter 1945. 450 P964
- 11197 BARLOW, R. O. Poisonous plants. Organic Gard. 8(2): 20-23. Jan. 1946. 56.8 Or3
1. Fava bean (Vicia faba).
- 11198 BARRONS, K. C., and GRIGSEY, B. H. The control of weeds in canning peas with chemical sprays. Mich. Agr. Expt. Sta. Q. B. 28: 145-156. Nov. 1945. 100 M58S
- 11199 BENGTSOHN, B. How to kill quack grass. Dakota Farmer 65(23): 12. Dec. 8, 1945. 6 D14
- 11200 BLACKMAN, G. E. The control of weeds by chemical means. Worcestershire Agr. Chron. 13(1): 20. Mar. 1945. 10 W892
- 11201 BUNDGAARD, C. M., PETERSEN, H. I., and RASMUSSEN, A. O. Undersøgelse over frøsamplers værdi til indsamling af korn og ukrudtsfrø i kornmarker [Investigation on the value of seed collectors for the gathering of grain and weed seed in grain fields]. Tidsskr. for Landøkonomi, No. 10, p. 447-463. Oct. 1945. 11 T43
- Weed control in the grain fields.
- 11202 BUTTERFIELD, H. M. Weed control with the newer chemicals. Calif. Hort. Soc. J. 6: 319-322. Oct. 1945. 81 C1293
- 11203 CANIZO, J. DEL. Divagaciones sobre el "hopo" [Orobancha] de las habas. Agricultura [Madrid] 14(162): 521-525. Oct. 1945. 15 Ag84
- 11204 CARLETON, R. M. New spray 2, 4-D, kills dandelions--doesn't hurt grass! Better Homes & Gard. 24(6): 12, 130-131. Feb. 1946. 80 F9424
- 11205 CRANE, J. C. Marabú [Dichrostachys glomerata]. Agr. in the Americas 5: 227-229. Dec. 1945. 1 F752A
- 11206 DUNHAM, R. S. 2, 4-D at weed conference [North Central States Weed Control Conference]. Minn. Seed Grower 18(6): 1, 4. Dec. 1945. 61.8 M66
- 11207 FLORY, W. S. Control of the orchard enemy-poison ivy. Va. Fruit 33(12): 14-16. Dec. 1945. 81 V81B
- 11208 GRØNTVED, P. Almindelig mælkebøtte (Taraxacum vulgare Schrank); biologi og bekæmpelse [Common dandelion (Taraxacum vulgare Schrank): biology and control]. Tidsskr. for Landøkonomi, No. 10, p. 413-434; No. 11, p. 473-498. Oct., Nov. 1945. Ref. 11 T43
- 11209 HAVERLEE, A. H. Control of aquatic weeds by Benoclor. Soap and Sanit. Chem. 21(11): 35-37. Nov. 1945. 307.8 Sol2
- 11210 KIRCHER, W. H. New weed killer; some of Northwest's worst weeds destroyed by chemical, 2, 4-D. Farmer [St. Paul], Gen. Ed. 63(24): 6. Dec. 15, 1945. 6 F2211
- 11211 LACHMAN, W. H. Spraying carrots and parsnips for the control of weeds. Mass. State Col. Ext. Mass. Com. Veg. Grower, Dec. 5, 1945, p. 3-4, processed. 275.29 M381Mp



11212 MUDALIAR, V. T. S., and AYYAR, S. R. Eradication of nut grass. Indian Farming 6: 117-118. Mar. 1945. 22 In283

11213 ORTIZ GARCENDIA, J. Contribución al estudio de las plantas venenosas para el ganado en la región Norte. Agr. del Norte 29: 164-168. (Cont.) July 1945. 9.3 Sol4

11214 P., H. K. Ryst det flerasrige ukrudt bort. Haven 45: 74. Oct. 1945. 80 H29  
Weed control.

11215 RATERA, E. L. Algunas plantas tóxicas para el ganado, que se emplean en medicina popular. Res 13: 18269-18270. Nov. 5, 1945. 286.85 R31

11216 RAW, A. R. Weed control in agricultural crops. Selective spray trials. Victoria. Dept. Agr. J. 43: 439-443. Oct. 1945. 23 V66T

11217 RIES, V. H. Poison ivy--how to know it--how to control it. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 72-73. 81 So86

11218 ROBINSON, D. H. Trials with the new weed killers D. N. O. C. and C. L. C. in Worcestershire. Worcestershire Agr. Chron. 13: 165, 167, 169, 171. 173. Aug. 1945. 10 W892  
Dinitro-o-cresol and Corn Land Cleaner (composition not given).

11219 TAGLE C., V. El sorgo de alepo o maicillo [Sorghum halepense]. Simiente 14(3/4): 26-28. 3d and 4th quart. 1945. 9.3 Si4

11220 WAIN, R. L. Experiments on the control of weeds in onions. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 115-120. 84 B77

11221 WHITEHEAD, S. B. Weeds may be helpful. Field 186: 299. Sept. 22, 1945. 10 F45

#### MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)

11222 ALMEIDA S., H. U. El piretro. Sementera 2(3): 30-34. Sept. 1945. 9.5 Se5

11223 ARNST, A. Cascara [Rhamnus purshiana]--a crop from West Coast tree farms. J. Forestry 43: 805-811. Nov. 1945. Ref. 99.8 F768

11224 ASTHANA, R. P., and MAHMUD, K. A. Vegetative propagation of Piper betle in the Central Provinces. Indian Acad. Sci. Proc., Sect. B 22: 70-75. Aug. 1945. 513 In25B

11225 BALLESTEROS, E. R. Nuevo árbol del hule [Jatropha tepequensis]. Mex. Sec. de Relac. Exteriores. Rev. del Com. Exterior 10(7): 18. July 1945. 286.8 M575

11226 BERZAGHI, C. Cultura da menta para produção de óleo e mentol. Rev. Bras. de Quím. (Cien. & Indus.) 20: 164, 166, 168, 170, 172. Aug. 1945. 385 R322

11227 BROWN, B. Desert sweetness. Nat. Hist. 55: 42-43. Jan. 1946. 500 N483J  
Sugar from palm tree sap in Burma.

11228 CHENEY, R. H. Medicinal herbaceous species in the northeastern United States. Torrey Bot. Club. B. 73: 60-72. Jan./Feb. 1946. 451 T63B

11229 CHEVALIER, A. Sur la culture au Soudan français du karité ou arbre à beurre (Butyrospermum parkii) et de l'arbre à kapok ou boumou (Bombax angulicarpe). Paris. Acad. des Sci. Compt. Rend. 220: 415-416. Mar. 26, 1945. 505 P21

11230 CHILDERS, N. F., and SEGUINOT ROBLES, P. La industria de la malagueta [Pimenta racemosa] en Puerto Rico. Rev. de Agr., Indus. y Com. de Puerto Rico 36: 56-59. Jan./June 1945. 8 R325

11231 CORLETO ARAGÓN, E. A. Poda inicial del cafeto. Café de El Salvador 15: 414. Sept. 1945. 68.28 C112

11232 DAVILA, D. S., and MUELLO, A. C. Cultivo del anís [Pimpinella anisum]. Pampa Argentina 19: 218. Oct. 1945. 9 P19

11233 FOREST RESEARCH INSTITUTE, DERRA DUN. A note on cyrethrum cultivation. Indian Forester 70: 77-79. Mar. 1944. 99.8 In2

11234 FORS, J. M. El Aleurites trisperma en Cuba. Soc. Cubana de Bot. Rev. 2: 102-103. July/Aug. 1945. 451 Sol23

11235 GROSS, L. S., and PERRY, E. L. Foresters and guayule. J. Forestry 43: 871-876. Dec. 1945. 99.8 F768

11236 GUTIERREZ NAVAS, S. J. Un renglón de importancia agrícola e industrial en los subtrópicos de la provincia del Tungurahua: la achira o atsera (Canna indica). Sementera 2(3): 35-36. Sept. 1945. 9.5 Se5

Grown for starch, and also as a vegetable.

11237 HAWORTH-BOOTH, M. Honey from the garden. Gard. Illus. 64: 735. Jan. 1946. 80 G169  
Plants which encourage honey production.

11238 JANG, C. S., and others. Ch'ang Shan, a Chinese antimalarial herb [Dichroa febrifuga]. Science 103: 59. Jan. 11, 1946. 470 Sci2  
F. Y. Fu, C. Y. Wang, K. C. Huang, G. Lu, and T. C. Chou, joint authors.

11239 KÉBREAU, F. Nos cultures économiques. Qu'est-ce que le Derris? Rev. Agr. d'Haïti, No. 1, p. 52-55. 1945. 8 R3241

11240 KÉBREAU, F. Plantes médicinales et toxiques d'Haïti. Rev. Agr. d'Haïti, No. 1, p. 1-10. (To be cont.) 1945. 8 R3241

11241 KHAN, A. H. A note on the departmental cultivation, collection and curing of cardamoms in the evergreen forests of Madras Presidency. Indian Forester 70: 106-114. Apr. 1944. 99.8 In2

11242 LARGE, A. Le chilli pepper [Capsicum frutescens longum] en Haïti. Rev. Agr. d'Haïti, No. 1, p. 17-25. 1945. 8 R3241

11243 LAURIE, A. The growing of drug plants and their uses. Seed World 58(12): 40-41. Dec. 21, 1945. 61.8 Se52  
Includes belladonna.

11244 MARCIAL NÚÑEZ, B. El piretro; nueva fuente de explotación en el Ecuador. Manabí, Ecuador. Consorcio de Cent. Agr. B. 7(43): 27-28. July/Sept. 1945. 9.5 M31

11245 MARTIN, W. E. Experiments in harvesting the creosote bush and extracting its resin. Natl. Paint, Varnish and Lacquer Assoc. Sci. Sect. C. 711, p. 492-503. Dec. 1945. 306.9 P162C  
Larrea tridentata.

11246 MOLFINO, J. F. La "peperina" [Mentha stachys verticillata]; planta Argentina rica en esencia de menta. Chacra 15(175): 70-71. May 1945. 9 C34

11247 MOORE, L. B. Marine algae in commerce. 1942-1944. Chron. Bot. 9: 138-139. Autumn 1945. 450 C46

11248 NAVASHIN, M. S., GERASSIMOVA, E. N., and CHEREDNICHENKO, A. F. Tetraoloid kok-saghyz as a variety of improved productivity. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 432-435. May 30, 1945. 511 P444

11249 NEUGEBAUER, E. K. Herbs for fragrance. Better Homes & Gard. 24(6): 116-117. Feb. 1946. 80 F9424

11250 NOTT, J. Report on new (Wye) varieties of hops--season 1944. Worcestershire Agr. Chron. 12: 259, 261, 263. Nov. 1944. 10 W892

11251 NOTT, J. Trial of new varieties of hops--1944 season. Worcestershire Agr. Chron. 13: 115, 117 May 1945. 10 W892

11252 PEScott, E. Of the famous Coolabah [Eucalyptus coolabah] and some uncommon gum trees. Stock and Land 35(10): 2. Mar. 7, 1945. 49 St63

11253 PONCE DE LEÓN Y CARRILLO, P. Se encuentra en Cuba una planta [Centella asiatica] que puede utilizarse para combatir la lepra. Soc. Cubana de Bot. 2: 38-42. Mar./Apr. 1945. 451 Sol23

11254 PRADO, E. M. A cultura do pirêtro. Rev. Bras. de Quím. (Cien. & Indus.) 20: 172, 174-176. Aug. 1945. 385 R322

11255 QUIROS C., M. Plantas de la medicina popular costarricense. Rev. de Agr. [San José] 17: 561-562, 563-565, 567. Nov. 1945. 8 Esl

11256 SAHA, J. C., and BHATTACHARJEE, S. K. Artificial production of ergot in the tropical plains of Bengal. Nature [London] 156: 363-364. Sept. 22, 1945. 472 N21

11257 SALMON, E. S. Twentieth-eight report on the trial of new varieties of hops, 1943. Inst. Brewing J. 51: 224-231. Sept./Oct. 1945. 390.9 In7

11258 VARGAS MÉNDEZ, J. Cultivo de la quina; limpieza y preparación del campo ya rozado, para plantar. Vida Agr. 22: 637, 639, 641, 643-649. (Concl.) July 1945. 9.8 V66

11259 WHALEY, W. G. Rubber, heritage of the American Tropics. Sci. Monthly 62: 21-31. Jan. 1946. 470 Sci23

11260 YOUNG, R. A. Bamboos for American horticulture. II. Natl. Hort. Mag. 24: 274-291. Oct. 1945. 60 N216

## SOILS AND FERTILIZERS

### SOIL SCIENCE

11261 KACHINSKIĬ, N. A., ed. Pochva kak faktor, opredelâiushchii usloviâ raboty sel'skokhoziaistvennykh mashin [Soil as a factor determining the work conditions of agricultural machinery]. Moskov. Ordena Lenina Gosud. U. im. M. V. Lomonosova. Uchen. Zapiski, No. 44, 141 p. Moskva, 1940. 511 M554

Contents: 1. Tsel', programma i metod issledovaniâ [Objective, program and method of investigation], by N. A. Kachinskiĭ; 2. Pochvennyi pokrov v raione ispytaniâ mashin [Soil study in the region of machinery testing], by N. A. Kachinskiĭ, A. F. Vadûnina, and V. D. Golikov; 3. Dinamika koefitsienta treniâ "metall-pochva" v zavisimosti ot vlazhnosti i kul'turnogo sostoiâniâ pochv [Dynamics of the coefficient of friction between implement and soil as influenced by the moisture and cultivated condition of the soil], by A. F. Vadûnina; 4. Dinamika sdviga pochvy v zavisimosti ot ee vlazhnosti [Dynamics of the tillability of the soil as affected by its moisture content], by A. N. Ursulov; 5. Tsiagovoe soprotivleniie kombainov v zavisimosti ot fiziko-mekhanicheskikh svoistv pochvy [Traction resistance of combines as affected by the physico-mechanical properties of the soil], by A. Vadûnina; 6. Opredeleniie udel'nogo soprotivleniâ pluga pri pakhote po soprotivleniû pochvy rasklinivaniû i podrezaniû [Determination of plow's specific resistance in plowing by the soil's resistance to wedging and cutting], by N. A. Kachinskiĭ.

11262 MIEGE, E. Les principes de l'étude des terres agricoles. Inform. Maroc. (n. s.) 14(292): 1. Dec. 15, 1945. 281.8 In3

### Soil Physics

11263 CASSIDY, M. G. Some fundamental relations between soil structure and treatment. Queensland J. Agr. Sci. 2: 89-127. June 1945. 23 Q37

11264 DONNELLY, M. The Wollny Effect. Calif. Citrog. 31: 89. Jan. 1946. 80 C125

Dispersion and compaction of surface soil resulting from cultivation.

11265 PAGE, J. B. Discussion of some physical properties of soil which affect crop production. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 12-19. 75.9 Oh3

11266 PARKER, E. R., and JENNY, H. Water infiltration and related soil properties as affected by cultivation and organic fertilization. Soil Sci. 60: 353-376. Nov. 1945. 56.8 So3

11267 WHITE, R. G. Installations for noting the water and thermal relationships in soils. Agr. Engin. 27(1): 21-25, 32. Jan. 1946. 58.8 Ag83

### Soil Chemistry and Mineralogy

11268 DRUMMOND, W. C. The soil colloids as related to soil fertility. Pt. II. Begonian 12: 235. (To be cont.) Dec. 1945. 96.511 B39

11269 GORBUNOV, N. I., and TSÛRUPA, I. G. Obmennâia adsorbsiâ kationov pri razlichnom sootnoshenii rastvora k tverdoî faze [Exchange adsorption of cations in soil solutions under varying solution-solid ratios]. Pochvovedenie (Pedology), No. 7, p. 369-374. 1945. 57.8 P34

English summary.

11270 NORDGAARD, K. Nogle jordbundsanalyser fra smaa haver [Some soil analyses from small gardens]. Haven 45: 68-69. Oct. 1945. 80 H29

11271 VINOGRADOV, A. P. K khimicheskoi poznaniû biosfery [Chemical study of the biosphere]. Pochvovedenie (Pedology), No. 7, p. 348-354. 1945. 57.8 P34

Soil chemistry, with special reference to Russian soils.

English summary.

11272 WOLF, B. Rapid soil tests furnish one of the implements for increasing crop yields. Better Crops with Plant Food 29(10): 14-20, 47-49. Dec. 1945. 6 B46

### Soil Biology

11273 ARBELAEZ MANRIQUE, A. Bacterias nitrificantes del suelo. Agr. Trop. 1(10): 9-11. Nov. 1945. 26 Ag8

11274 BALZLI, J. La microbiologie à la rescousse de l'agriculture et du ravitaillement. Rev. Hort. [Paris] 116: 7, 20, 41-43. Jan.-Mar. 1944. 80 R32

Soil microbiology.

11275 FRED, E. B. Bacteria - friends or foes. Westerner 8(11): 30-31. Dec. 1945. 49 W522

Includes soil bacteria and nitrification.

11276 HOFER, A. W. Legume inoculant tests for 1945. Farm Res. [N. Y. State Sta.] 12(1): 10. Jan. 1946. 100 N48A

11277 KHOLODNYĬ, N. G., ROZHDESTVENSKIĬ, V. S., and KIL'CHEVSKAÏA, A. A. Usvoenie letuchikh organicheskikh veshchestv pochvennymi bakteriyami (Assimilation of volatile organic substances by soil bacteria). Pochvovedenie (Pedology), No. 7, p. 354-368. 1945. 57.8 P34

English summary.

11278 OLIVER, G. S. Our friend, the earthworm. Gard. Book Club, No. 8, 104 p. Emmaus, Pa., 1945. 56.9 Or3

11279 PETERBURGSKIĬ, A. Bakteriitsidnye svoistva gumusa [Bacteriocidal properties of humus]. Sovkhoz. Proizvod. 5(6): 49. June 1945. 20 So85



11280 KYBALKINA, A. V. Istorija i sovremennoe sostojanie pochvovedeniia; sessia Uchenogo Soveta Pochvennogo instituta Akademii nauk SSSR, posvia-shchennaja voprosam izuchenia biologii pochv (His-tory and present state of soil science; session of the Scientific Council of the Soil Institute on problems of soil biology). Pochvovedenie (Pedology), No. 7, p. 375-377. 1945. 57.8 P34

11281 SCHARER, R. Estudio de la biologia gen-eral del suelo basado sobre comparaciones fisiologi-cas entre organismo animal y vegetal. Soc. Antio-queña de Agr. B. Agr., No. 311/312, p. 2500-2507. June/July 1945. 9.4 Sol

11282 THORNTON, H. G. Effective and ineffective strains of legume nodule bacteria [Rhizobium]. Nature [London] 156: 654-655. Dec. 1, 1945. 470 N21

11283 TIDMORE, J. W., and VOLK, N. J. The ef-fect of plowing under and the time of plowing under legumes on the conservation of nitrogen. Amer. Soc. Agron. J. 37: 1005-1010. Dec. 1945. 4 Am34P

11284 VINE, R. Bacteria - the unseen. New Zeal. Farmer Weekly 66(19): 4-5. Nov. 15, 1945. 23 N484

Role of bacteria in soil fertility, plant diseases, and legume inoculation.

11285 WARNER, B. Earthworms. Their value to plant life. Gard. Chron. Amer. 50(1): 19. Jan. 1946. 80 G1632

#### Soil-Plant Relationships and Soil Requirements

11286 BUTLER, D. Quality milk starts with the soil. West. Dairy J. 2(3): 16, 69. Jan. 1946. 44.8 W524

11287 GOENAGA, A. El tabaco y su alimento. Rev. del Café 1(7): 17-19. Dec. 1945. 8 R3295  
Effects of fertilizers on the growth and physiolo-gy of tobacco.

11288 GROSS, D. L. Farmers' experiences with crops following bromegrass. Nebr. State Bd. Agr. Ann. Rpt. 1945: 217-220. 2 N27R

Experiences reported relate to time and depth of plowing, difficulty of breaking the sod and killing the grass, method of working after plowing, produc-tivity of the newly broken land, and the amount of soil erosion on it.

11289 LOFTIN, L. L. Poor soils - poor people. Better Crops with Plant Food 29(10): 25-26, 44-45. Dec. 1945. 6 B46

Relation between soil quality and human health.

11290 OSMOND, D. A. Soils suitable for fruit growing. Worcestershire Agr. Chron. 13(1): 83, 85, 87, 89. Mar. 1945. 10 W892

11291 RYNASIEWICZ, J. Soil aggregation and on-ion yields. Soil Sci. 60: 387-395. Nov. 1945. 56.8 So3

11292 SCARSETH, G. D. Starvation on a full stomach. Food Packer 26(13): 68, 70. Dec. 1945. 286.83 C165

Relation between soil deficiencies and human and animal nutrition.

11293 SINGH, D. Suitability of soil for fruit orchards. Punjab Fruit J. 9: 160. Oct. 1945. 80 P962

11294 SMITH, N. C., and ALBRECHT, W. A. Potash deficiency follows continuous wheat. Better Crops with Plant Food 29(10): 24, 45-46. Dec. 1945. 6 B46

11295 WEAGLY, MRS. R. C. F. Our stake in the land. Nation's Agr. 20(11): 14. Dec. 1945. 280.82 B89

Relation of soil quality to human and animal health.

11296 WYND, F. L., and NOGGLE, G. R. Influence of chemical characteristics of soil on production of carotene in leaves of oats. Food Res. 10: 525-536. Nov./Dec. 1945. 389.8 F7322

11297 WYND, F. L., and NOGGLE, G. R. Influence of chemical characteristics of soil on production of vitamin C in leaves of oats. Food Res. 10: 537-546. Nov./Dec. 1945. 389.8 F7322

#### Soil Genesis, Formation, Classification, and Mapping

11298 B., C. W. Soil utilisation survey; land usage in the Whangarei County. New Zeal. Dairy Exporter 21(1): 4, 6-7. Sept. 1945. 44.8 N484  
A soil survey and its value in land utilization.

11299 COMREY, G. W. Ohio soils, their character-istics and adaptation for crop production. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 7-12. 75.9 Oh3

11300 GOETTLER, B. Soil indexes will help farm-ers predict crop yields for any farm. Prairie Farmer, Gen. Ed. 118(1): 8. Jan. 5, 1946. 6 P883

11301 HESTER, J. B., and HANKINSON, K. Soil sampling tube. Amer. Soc. Agron. J. 37: 1041-1042. Dec. 1945. 4 Am34P

11302 JOINT COMMITTEE ON THE NATIONAL SOIL SUR-VEY. Report, 1945. Amer. Soc. Agron. J. 37: 1043-1049. Dec. 1945. 4 Am34P

11303 LAFABRIE ACOSTA, J. V. Estudio de los sue-los de la hoya hidrografica superior del Rio Bogota. Agr. Trop. 1(10): 33-38. Nov. 1945. 26 Ag8

11304 LAZAREV, A. A. Nakoplenie i prevrashche-nie fosfora na miaskitakh i granito-gneissakh v per-vykh stadiakh pochvoobrazovaniia (Accumulation and transformation of P on miaskites and gneissose granites on the first stages of soil formation). Pochvovedenie (Pedology), No. 7, p. 340-347. 1945. 57.8 P34

English summary.

11305 MAZE, W. H. The geomorphology of the cen-tral eastern area of New South Wales. Pt. I. Methods of landform analysis from topographic maps. Pt. II. Landform analysis of the Orange-Bathurst District. Roy. Soc. N. S. Wales. J. and Proc. 78(1/2): 28-41. 1944 (1945.) 514 Sy24

11306 POLYNOV, B. L. Pervye stadii pochvoobra-zovaniia na massivno-kristallicheskich porodakh (First stages of soil formation on massive crystal-line rocks). Pochvovedenie (Pedology), No. 7, p. 327-339. 1945. 57.8 P34

English summary.

11307 TREMBLAY, F. T. The soils of western Wash-ington. II. Alluvial (river bottom) soils of the gla-ciated region. Wash. Packer 11(5): 8, 10-12. Dec. 1945. 389.8 W27

#### SOIL MANAGEMENT

11308 BECK, V. S. A practical ranch program. Farm and Ranch 64(12): 27. Dec. 1945. 6 T31  
Conservation farming and pasture management.

11309 BROMFIELD, L. Let's preserve our herit-age. Meat 24(1): 21-22, 53-54. Dec. 1945. 286.85 M464

Soil management.

11310 COPELAND, E. W., JR. AAA program for 1946. Ark. Farmer 47(12): 4-5, 13. Dec. 1945. 6 Ar42

Conservation farming.

11311 DARNELL, H. Outrunning old father time. Farm and Ranch 65(1): 22. Jan. 1946. 6 T31  
Soil management.

11312 DIXEY, R. N. Pre-war farming and the soil. Farm Econ. 5(1-2): 1-13. Jan.-June 1945. 281.8 F223

11313 G., F. S. Don't despair if your soil is stony. *Pop. Gard.* 47: 346. Dec. 29, 1945. 60 G1622

#### Management of stony soils.

11314 MILLER, M. F. Is your farm the one in ten? *Mo. Ruralist* 86(23): 5. Dec. 8, 1945. 6 R8891

#### Soil management.

11315 REID, L. E., JR. How to hold a rented farm. *Farm and Ranch* 64(12): 26. Dec. 1945. 6 T31

#### Conservation farming.

11316 SCANLAN, R. W. What price shabby soils? *Philfarmer*, 4th quart. 1945, p. 1, 2. 6 P53

Importance of good soil management and its relation to animal and human health.

11317 THATCHER, H. L. A secret to high yields. *Farm and Ranch* 65(1): 7. Jan. 1946. 6 T31

#### Soil management.

### Soil Fertility

11318 BARNES, T. J. Grassland farming from necessity. *Aberdeen-Angus J.* 27(6): 54, 116, 118, 126. Jan. 1946. 43.8 Ab3

Importance of grass to soil fertility and conservation.

11319 BEATER, B. E. The value of preliming, primarily as a means of improving the absorption of phosphorus by plants. *Soil Sci.* 60: 337-352. Nov. 1945. Ref. 56.8 So3

11320 BUSHNELL, J. Some recent developments in fertilizing vegetables. *Ohio Veg. and Potato Growers Assoc. Proc.* (1944) 29: 23-28. 75.9 Oh3

11321 CHADWICK, L. C. Nitrogen utilization trials with highway plantings and woody ornamentals. *Ohio Agr. Expt. Sta. Bimo. B.* 30: 126-127. July/Aug. 1945. 100 Oh3S

11322 COLEMAN, R. Nitrogen the basis of profitable oat yields. *Miss. Farm Res. [Miss. Sta.]* 8(11): 1, 8. Nov. 1945. 100 M69M1

11323 COMIN, D. The probable response of some muck crops to lowered potash applications. *Ohio Veg. and Potato Growers Assoc. Proc.* (1944) 29: 19-23. 75.9 Oh3

11324 CRUZ RIASCOS, L. C. Abonos usados. *Rev. Nac. de Agr. [Bogotá]*, 39(492): 42-44. Sept./Oct. 1945. 9.4 R32

11325 DAVIDSON, E. J. Methods of restoring soil fertility. *Primary Prod. [Sydney]*, 22(48): 6, 7. Nov. 30, 1945. 23 P93

11326 DELLAZOPPA, J. G. La utilización de los abonos en los cultivos de carácter extensivo. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 442. Nov. 22, 1945. 9.9 G15B

11327 FITTS, J. W. Soil fertility for maximum yields of corn. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 214-217. 2 N27R

11328 GALVÁN LÓPEZ, R. Los abonos verdes en la agricultura. *Campesino Morelense* 1(13): 2, 4. Nov. 1945. 8 C156

11329 GRAY, G. P. A-B-C of N-P-K fertilization. *Calif. Cult.* 92: 691, 703. Dec. 22, 1945. 6 C12

11330 HARDENBURG, E. V. Organic matter for potato soils. *Ohio Veg. and Potato Growers Assoc. Proc.* (1944) 29: 111-113. 75.9 Oh3

11331 HESTER, J. B. The plant food aspects of crop production. *Amer. Fert.* 103(12): 12-13, 22, 24. Dec. 15, 1945. 57.8 Am3

#### Fertilizer requirements of plants.

11332 HOPKINS, J. S. Results of some experiments on the use of phosphatic fertilizers on wheat. *Worcestershire Agr. Chron.* 12: 209, 211, 213, 215, 217. Nov. 1944. 10 W892

11333 HUCKABEE, D. Lupines for south Louisiana. *Prog. Farmer, Miss.-Ark.-La. Ed.* 61(1): 22, 51. Jan. 1946. 6 So81

#### Effects on soil fertility; culture.

11334 JACOBSON, H. G. M. Use your land wisely. *Rural New-Yorker* 105: 1, 15. Jan. 5, 1946. 6 R88

#### Maintenance of soil fertility.

11335 JEFFREY, B. Clover is ace soil builder, even on bottom land. *Farmer-Stockman* 59(1): 48. Jan. 1946. 6 Ok45

11336 JEREMY, E. Value of humus in soil fertility. *Primary Prod. [Sydney]*, 22(47): 7. Nov. 23, 1945. 23 P93

11337 KISLIÁKOV, V. Povyshenie plodorodíia podzolistykh pochv [Increasing the fertility of podzol soils]. *Sotsialist. Sel'sk. Khoz.* 16(7/8): 46-52. July/Aug. 1945. 281.8 So73

11338 KUNKLER, L. E. Permanent pastures. *Thoroughbred of Calif.* 4(20): 48-49. (Cont.) Dec. 1945. 42.8 T393

Fertilizers for pastures; horse manure as a fertilizer.

11339 LUSH, R. H. Pasture fertilization. *Com. Fert.* 71(6): 23, 26, 44-45. Dec. 1945. 57.8 G73

11340 MCCOLLAM, M. E. Fertilizer philosophy. *Calif. Cult.* 92: 691, 703. Dec. 22, 1945. 6 C12

11341 MCGILLIVRAY, K. D. Methods of soil protection and fertility maintenance in apple and pear orchards in the higher rainfall areas of the southern and central tablelands. *Agr. Gaz. N. S. Wales* 56: 443-446. (Cont.) Oct. 1, 1945. 23 N472

Concluded in Nov. 1 issue, p. 495-497.

11342 MANN, H., and BARNES, T. W. Manuring for the production of sugar-beet seed. *Gt. Brit. Min. Agr. Agriculture* 52: 400-404. Dec. 1945. 10 G79J

11343 MEDINA BEM, V. Abono del café. *Rev. del Café* 1(2): 47. July 1945. 8 R3295

11344 MOEN, O. To gjødslingstabeller med merknader. *Norsk Hageselskap. Minneliste for Hagedyrkere* 1943, p. 10-11. 86 N81

Two tables showing amounts of fertilizers to use for various vegetables.

11345 NELSON, N. T., and MCEVOY, E. T. The use of potash in tobacco production. *Lighter* 15(4): 12-15, processed. Nov. 1945. 286.89 C16

11346 NOBLE, W. California fertilizer usage. *Better Crops with Plant Food* 29(10): 23, 41-42. Dec. 1945. 6 B46

11347 PÉREZ, A. R. La destrucción de la tierra cultivable de la Sierra, sus agentes y medios de combatirlos. *Sementera* 2(3): 42-49. (Cont.) Sept. 1945. 9.5 Se5

11348 POWDER, H. C. Farm problems. *Ranchman* 5(9): 27-28. Jan. 1946. 49 R15

Importance of pastures and livestock farming in the preservation of soil fertility.

11349 PRESCOTT, J. A. The work on soil fertility at the Waite Agricultural Research Institute. (Sum.) *So. Austral. Dept. Agr. J.* 49: 108-109. Oct. 1945. 23 So84

11350 RADER, L. F., JR., REYNOLDS, D. S., and JACOB, K. D. Greenhouse and laboratory experiments with nitrogen-bearing aluminum dross as a fertilizer. *Amer. Soc. Agron. J.* 37: 1024-1032. Dec. 1945. 4 Am34P

11351 RETVEDT, K. Karforsøk med kaliumklorid og kaliumsulfat til kløver og timotei (Pot experiments with potassium chloride and potassium sulphate for clover and timothy). *Norges Landbrukshøgsk. Meld.* 25: 71-100. 1945. 104 N762M

11352 RICHARDSON, H. B. Fertilizing Coachella Valley onions. *Calif. Cult.* 93: 14. Jan. 5, 1946. 6 C12



11353 SEELEY, J. G. Nitrogen nutrition for roses. *Farm Res.* N. Y. State Sta. 12(1): 8. Jan. 1946. 100 N48A

11354 SEVERSON, H. Better farms mean better cities. *Banking* 38(7): 58-59. Jan. 1946. 284.8 Am3

Importance of soil fertility.

11355 SNYDER, L. C. Fertilizer placement. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 26-27. 81 So86

11356 THOMSON, R. Fertilizers for flue-cured tobacco. *New Zeal. J. Sci. and Technol.*, Sect. A, Agr. 27: 107-113. Aug. 1945. 514 N48A

11357 TINDALL, C. 127 bushels of corn! - when "healthy" soil was fertilized. *Mo. Ruralist* 87(1): 6, 21. Jan. 12, 1946. 6 R8891

11358 TORSTENSSON, G. Försök med bepudring och stöpning av utsädet med fosforsyre-gödselmedel [Experiments with dusting and steeping of seed with phosphoric acid fertilizer]. *Försök och Forskning* 2: 138-140. Sept. 1945. 11 F77

Use of fertilizer as seed treatment on cereal and pea seed as preferable to application to the fields.

11359 W. Does your soil lack lime? *Pop. Gard.* 47: 339. Dec. 22, 1945. 80 G1622

11360 W., S. B. Lime increases soil fertility. *Pop. Gard.* 47: 346. Dec. 29, 1945. 80 G1622

11361 W., S. B. Slow-acting fertilizers which should be used now. *Pop. Gard.* 47: 330. Dec. 15, 1945. 80 G1622

11362 WALLACE, T. The maintenance of soil fertility. *Worcestershire Agr. Chron.* 13(1): 17-19. Mar. 1945. 10 W892

11363 WILLIAMSON, J. T. Best sugar cane fertilizer. *This Month in Rural Ala.*, Jan. 1946, p. 5. 6 T34

11364 WORZELLA, W. W., and PUHR, L. F. Fertilizer field trials in S. D. - 1945. *Dakota Farmer* 66(1): 10-11. Jan. 5, 1946. 6 D14

#### Soil Tilth and Tillage

11365 ANAIS, D. L'aménagement des pâturages a Saint-Martin; préparation mécanique du terrain. *Gua deloupe. Serv. de l'Agr. Rev. Agr. (n. s.)* 2: 177-181. Nov. 1945. 8 R327

11366 BEER, S. DE. Arable lands made drought-proof; scientific methods of cultivation for dry-land crops. *Farmer's Weekly [Bloemfontein]* 70: 875. Dec. 12, 1945. 24 F225

11367 CHIZHEVSKIY, M. Obrabotka chistykh parov [Tillage of clean fallows]. *Sovkhoz. Proizvod.* 5 (4/5): 46-48. Apr./May 1945. 20 So85

11368 COPLEY, G. H. Deep versus shallow digging. *Gard. Illus.* 64: 718. Dec. 1945. 80 G169

11369 DEMONET, J. Redwood bark in Michigan. *Better Homes & Gard.* 24(6): 110. Feb. 1946. 80 F9424

Use as a mulching material.

11370 JUDKINS, W. P. The effect of cultivation, straw mulch, and sod plus mulch on the growth and yield of black raspberries. *Ohio. Agr. Expt. Sta. Bmo. B.* 30: 166-172. Sept./Oct. 1945. 100 Oh38

11371 L., R. S., and B., R. Eight good winter mulches; how to use them. *Home Gard.* 6(6): 86-92. Dec. 1945. 80 H756

11372 RESIDUE farming in Nebraska and how they are doing it. *Farm Impl. News* 66(25): 62-64. Dec. 6, 1945. 58.8 F22

11373 SIMMONS, C. Surface tillage report. *Pacific Rural Press, South. Ed.* 151(1): 11. Jan. 5, 1946. 6 P112A

11374 SUBIRATS, F. J. Defienda su cosecha contra la sequía. *Tierra Libre* 9(11): 4-5. Nov. 1945. 3 T443

Moisture conservation through dry farming.

#### Drainage, Irrigation, Water Supply, and Flood Control

11375 ALLARD, O. Les travaux d'égouttement in Quebec. *B. des Agr.* 42(1): 20, 23. Jan. 1946. 7 B872

11376 ANLIKER, O. Was eine kleine landgemeinde zu leisten vermag. *Schweiz. Z. f. Forstw.* 96: 219-222. Sept. 1945. 99.8 Sch9

Land clearing and reclamation.

11377 BATES, E. M. Irrigation. *New Zeal. J. Agr.* 71: 525-526. Nov. 1945. 23 N48J

11378 BELL, H. S., LANE, E. W., and BONNER, F. E. Future of Lake Mead and Elephant Butte Reservoir. *Amer. Soc. Civ. Engin. Proc.* 72: 83-97. Jan. 1946. 290.9 Am3P

Siltation of reservoirs.

11379 CABRALES PACHECO, B. Mejoramiento de las tierras negras pantanosas. *Rev. Nac. de Agr. [Bogotá]* 39(492): 81-82. Sept./Oct. 1945. 9.4 R32

Reclamation and management of swampy soils.

11380 CASTAÑEDA REY, L. Derrotero que se debe seguir para el estudio de una irrigación. *Agr. Trop.* 1(10): 39. Nov. 1945. 26 Ag8

11381 COLLOPY, J. P. Streamlining - land development in big way. *Irrig. Farmer* 3(9): 1, 9. Jan. 10, 1946. 55.8 Ir78

Mirage Flats Irrigation Project, in Nebraska.

11382 CROFT, A. R. Water - a most important resource of Utah's forest and range lands. *Utah Farmer* 65(9): 6. (Cont.) Dec. 15, 1945. 6 D45

11383 DOMINICAN REPUBLIC. SECRETARIA DE ESTADO DE AGRICULTURA, INDUSTRIA Y TRABAJO. Anuario estadístico de riego, 1944, 217 p., processed. Ciudad Trujillo? 1945? 55.9 D71

11384 EDWARD, J. El embalse "Lauterò." *Agr. del Norte* 29: 178-181. July 1945. 9.3 Sol4

An irrigation project in Chile.

11385 EMERSON, A. W. Pump irrigation and soil conservation. *Farm Impl. News* 66(26): 40-42. Dec. 20, 1945. 58.8 F22

11386 GOODALL, M. R. River valley planning in India: the Damodar. *J. Land & Pub. Util. Econ.* 21: 371-375. Nov. 1945. 282.8 J82

Including water supply for irrigation.

11387 GREENHAMYRE, H. G. State-wide development plan needed. *Irrig. Farmer* 3(9): 5, 15. Jan. 10, 1946. 55.8 Ir78

Plan for hydroelectric development, soil conservation, irrigation, and flood control in Nebraska.

11388 HASWELL, J. R. Golf course drainage. *Greenkeepers' Rptr.* 13(6): 5-7. Nov./Dec. 1945. 60.18 G83

11389 JANINI JANINI, R. De aguas de riego, detalles aleccionadores. *Agricultura [Madrid]* 14: 526. Oct. 1945. 15 Ag84

11390 JENKINS, W. J. Harnessing "lost rainfall" for crop production. *Indian Forester* 70: 197-200. June 1944. 99.8 In2

Moisture conservation through contour bunding and dry farming in Bombay Province, India.

11391 JUNGEMAN, A. A. Hard spots in soils. *Calif. Cult.* 92: 698. Dec. 22, 1945. 6 C12

Treatment of alkaline spots.

11392 LALL, G. Improvement of wells in sandy strata of north Bihar. *Indian Farming* 6: 462-464. Oct. 1945. 22 In283

Irrigation wells.

11393 LARSON, R. G. Sugar beets and irrigation reclamation. *Sugar Beet* 6(1): 7-8. Dec. 1945. 56.8 Su34B

- 11394 LEITHEAD, H. L. More grass from the same rainfall. *Amer. Hereford J.* 36(17): 124. Jan. 1, 1946. 43.8 Am32  
System of water conservation and pasture irrigation.
- 11395 LESPÉRANCE, R. Le drainage des terres dans le Québec. *Terre de Chez Nous* 18(12): 6, 13, 15. Dec. 26, 1945. 7 T27
- 11396 LOPEZ SAUCEDO, A. Las Juntas de Aguas [Morocco]. *Campeño Morel.* 1(12): 2, 7. Oct. 1, 1945. 8 G156
- 11397 LUBETH, M. De la canalisation. *Guade-loupe. Serv. de l'Agr. Rev. Agr. (n. s.)* 2: 175-177. Nov. 1945. 8 R327
- 11398 MARR, J. C. Corrugation method of farm irrigation. *Irrig. Farmer* 3(9): 2, 12. Jan. 10, 1946. 55.8 Ir78
- 11399 ORCHARD, M. Beef by the acre. *Farm and Ranch* 65(1): 3. Jan. 1946. 6 T31  
Irrigation of pastures.
- 11400 PENNEFATHER, R. R. Irrigation control. *Citrus News* 21: 149. Oct. 31, 1945. 80 C494  
Irrigation of citrus orchards in Australia.
- 11401 PIERCE, R. O. Successful irrigation. *Irrig. Farmer* 3(9): 3. Jan. 10, 1946. 55.8 Ir78
- 11402 PRICE, W. What you can believe about MVA. *Sat. Evening Post* 218(29): 22, 24, 124, 126, 128, 130, 132. Jan. 19, 1946. 110 Sa8
- 11403 ROSENSTRAUCH, F. J. Occurrence and control of brack. *Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser.* 173, 2 p. Pretoria, 1945. 24 So82Pa  
Salt lands and their reclamation.
- 11404 STEMPÉ, SIR W. Planning against poverty. *Gt. Brit. and East* 61(1753): 831-881. Nov. 1945. 286.8 N27  
Irrigation in India.
- 11405 TAWELL, G. H. The irrigation of vegetable crops. *Worcestershire Agr. Chron.* 13(1): 11-16. Mar. 1945. 10 W892
- 11406 THOMSON, M. T. Application of stream gaging to the agricultural use of small streams and ponds. *Agr. Engin.* 27(1): 26-28, 32, 34. Jan. 1946. 58.8 Ag83
- 11407 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1944. Pt. 9, Colorado River Basin. *U. S. Geol. Survey. Water-Supply Paper* 1009, 360 p. Washington, 1945. 407 G29W
- 11408 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1944. Pt. 10, the Great Basin. *U. S. Geol. Survey. Water-Supply Paper* 1010, 181 p. Washington, 1945. 407 G29W
- 11409 VICTOR BARAÑAO, T. Cómo distribuye el agua de riego. *Rev. Mens. B. A. P.* 27(315): 11-14. Feb. 1944. 9 R326
- 11410 VILLANUEVA, S. Las obras de riego en la Provincia de La Rioja [Argentina]. *Chacra* 16(182): 40. Dec. 1945. 9 C34
- 11411 ZINGG, A. W. Flood-control aspects of farm ponds. *Agr. Engin.* 27(1): 9-13. Jan. 1946. 58.8 Ag83
- Erosion and Erosion Control
- 11412 ACOCK, A. M. Soil conservation on a district basis. *Food Front* 3(1): 2-6. Dec. 1945. 281.8 F73
- 11413 BENNETT, H. H. Planning for soil conservation. *Soil Conserv.* 11: 154-160. Jan. 1946. 1.6 So38
- 11414 CAMPBELL, D. A. Soil-conservation studies applied to farming in Hawke's Bay. Pt. II. Investigations into soil erosion and flooding. *New Zeal. J. Sci. and Technol. Sect. A, Agr.* 27: 147-172. (Cont.) Aug. 1945. 514 N48A
- 11415 CHAFFIN, W. D. Farmers join in conservation. *Farmer-Stockman* 59(1): 51. Jan. 1946. 6 Ok45
- 11416 CHEPIL, W. S. Dynamics of wind erosion: II. Initiation of soil movement. *Soil Sci.* 60: 397-411. Nov. 1945. 56.8 So3
- 11417 EMERSON, A. W. Five thousand dollars for soil conservation. *Impl. & Tractor* 60(25): 26-27, 56-57. Dec. 15, 1945. 58.8 W41  
Prizes for soil conservation given by a newspaper.
- 11418 GIBBS, H. S. Tunnel-gully erosion on the Wither Hills, Marlborough. *New Zeal. J. Sci. and Technol., Sect. A, Agr.* 27: 135-146. Aug. 1945. 514 N48A
- 11419 HOW SOIL conservation has grown! *Ariz. Farmer* 24(25): 12. Dec. 29, 1945. 6 Ar44  
Soil conservation districts in Arizona.
- 11420 KING, N. Soil-saver deluxe [sugarcane]. *Hawaii Farm and Home* 8(12): 12, 32. Dec. 1945. 25 H3191
- 11421 KING, W. N. Wars that never end. *Hawaii Farm and Home* 9(1): 3, 30. Jan. 1946. 25 H3191  
Soil conservation in Hawaii.
- 11422 KITCHINGMAN, G. D. Soil conservation in the Punjab. *Indian Forester* 70: 169-175. June, 1944. 99.8 In2
- 11423 LESPES, A. L'érosion: problème national. *Rev. Agr. d'Haïti, No. 1, p.* 25-30. 1945. 8 R3241
- 11424 LORD, R. Progress of soil conservation in the United States. *Geog. J.* 105: 159-166. May/June 1945. 472 G29  
Discussion, p. 166-169.
- 11425 MCLAUGHLIN, J. B. Timber, soil and water. *W. Va. Dept. Agr. Market B.* 30(1): 1. (Cont.) Jan. 1, 1946. 2 W522W
- 11426 MCNALL, P. E. Limiting factors in erosion control demonstrations. *J. Land & Pub. Util. Econ.* 21: 383-386. Nov. 1945. 282.8 J82
- 11427 MEZZOTONI, R. J. Conservación de los suelos. Pt. 2. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 444. Nov. 22, 1945. 9.9 G15B  
Concluded in issue of Nov. 29, p. 452.
- 11428 PALMER, V. J. A method of designing vegetated waterways. *Agr. Engin.* 26: 516-520. Dec. 1945. 58.8 Ag83
- 11429 PINCHOT, G. Prosperity depends on soil. *Breeder's Gaz.* 111(1): 9. Jan. 1946. 49 B74  
Need for soil conservation.
- 11430 PROTECTION of arable lands on slopes. *Farmer's Weekly [Bloemfontein]* 70: 504-505, 507. Nov. 7, 1945. 24 F225  
Construction of contours for soil conservation in South Africa.
- 11431 QUINTEROS, M., TERRA AROCENA, E., and VERCESI, D. El problema de la erosión del suelo. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 425. Nov. 8, 1945. 9.9 G15B
- 11432 RENSCHAW, B. Destroy forests - erosion begins; planting trees stops gullies and saves soil. *Prairie Farmer, Ind. Ed.* 117(26): 5. Dec. 22, 1945. 6 P883C
- 11433 RIGO, SIR T., and ADAMSON, N. J. Erosion in Moutere Hills orchards. *New Zeal. J. Agr.* 71: 495, 497-498. Nov. 1945. 23 N48J
- 11434 ROBERTS, W. M. Soil conservation districts. *Hornel Farmer* 9(4): 3, 8. Dec. 1945. 49 H782
- 11435 ROWE, D. P. El milagro de las gramíneas. *Hacienda* 40(12): 597-599. Dec. 1945. 6 H11  
Grasses for soil conservation.



11436 SCHEFFER, P. M., and BOND, R. M. A problem of "antler room." Soil Conserv. 11: 161-166. Jan. 1946. 1.6 So3S

Destruction of range cover by elk, with resulting soil deterioration and erosion, in Washington.

11437 SHARPE, G. District soil plans studied by supervisors. W. Va. Dept. Agr. Market B. 30(1): 1, 3. Jan. 1, 1946. 2 W522W

11438 A SOIL erosion control experiment in the Isis district, Queensland, Australia. Austral. Sugar J. 37: 344-345, 347. Nov. 15, 1945. 65.8 Au7

11439 SOIL erosion on Q'land [Queensland] cane-fields. Prod. Rev. 36(2): 55-57. (Cont.) Dec. 15, 1945. 23 P942

11440 STEYN, J. D. Protection of lands against erosion. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 172, 2 p. Pretoria, 1945. 24 So82Pa

11441 VASCONEZ, C. H. La erosión del suelo, fenómenos que la producen y formas de evitarla. Semantera 2(3): 29-30. Sept. 1945. 9.5 Se5

11442 WELCH, G. Top soil in flight. Countryman 32: 209-210. Winter 1945. 281.28 C832  
Wind erosion in Australia.

#### Sanitation

11443 BRICKERTON, J. M. Soil fumigation in greenhouses and outdoor seed beds with chlorpicrin and other promising materials. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 97-103. 75.9 Oh3

#### MATERIALS FOR SOIL IMPROVEMENT

11444 ALLEN, H. R. Report on acid- and base-forming quality of fertilizers. Assoc. Off. Agr. Chem. J. 28: 773-781. Nov. 15, 1945. 381 As7

11445 THE AMERICAN fertilizer hand book, 36th, 1944. Various paging. Philadelphia, Ware Bros. Co., 1945. 57.2 Am3

11446 CORBETT, R. B. Let's talk it over. Nation's Agr. 20(11): 7, 15, 17. Dec. 1945. 280.82 B89

Discussion of bills for the establishment of a national fertilizer policy and program.

11447 FRAPS, G. S. Report on fertilizers. Assoc. Off. Agr. Chem. J. 28: 774-777. Nov. 15, 1945. 381 As7

11448 HOPKINS, D. P. Humus and fertilizers. Estate Mag. 45: 315-318. Dec. 1945. 10 Es8

11449 LAMERS, T. Les engrais et leur emploi. Guadeloupe. Serv. de l'Agr. Rev. Agr. (n. s.) 2: 169-175. (Cont.) Nov. 1945. 8 R327

11450 LISONI ROJAS, M. Breves consideraciones sobre abonos. Agr. Mex. 61(11): 16-18. Nov. 1945. 8 Ag8

11451 MARYLAND. STATE INSPECTION AND REGULATORY SERVICE. Official report, commercial feeds, fertilizers and agricultural liming materials. Md. U. Control Ser. 195, 115 p. Aug. 1945. 276 M36Q

11452 WALKER, L. S., and BOYCE, E. F. The inspection of commercial fertilizers and agricultural lime products for 1945. Vt. U. and State Agr. Col. Relat. Serv. Div. Rpt. 1, 11 p. Burlington, 1945. 276 V59Rep

11453 WOODBRIDGE, G. M. Markets for chemical fertilizers in Costa Rica. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., v. 3, pt. 2, No. 58, 2 p. Washington, 1945. 157.54 In232

#### Primary Materials

11454 CORRIE, F. E. Some elements of plants and animals. 15-16. Potassium in plant nutrition. Fert., Feed. Stuffs and Farm Supplies J. 31: 727, 729, 759-760. Dec. 5, 19, 1945. 57.8 F413

11455 FORD, O. W. Report on potash and platinum recovery methods. Assoc. Off. Agr. Chem. J. 28: 781-790. Nov. 15, 1945. 381 As7

11456 HORNER, C. K. Potash fertilizer materials (a synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., v. 3, pt. 2, No. 23, 5 p. Washington, 1945. 157.54 In232

11457 JOSHI, K. G., PATWARDHAN, S. D., and THAKUR, P. S. Role of water-soluble phosphoric acid as an aspect of sewage irrigation. Cur. Sci. 14: 269-270. Oct. 1945. 475 Sci23

11458 LISONI ROJAS, M. Valor fertilizante del salitre en comparación con el guano de cabras. Campesino [Santiago] 77: 670-671. Nov. 1945. 9.3 Sol2

11459 PHOSPHATES for grassland, by Varro. Field 186: 323. Sept. 29, 1945. 10 F45

11460 STORIES for young farmers. Fertilisers: promise of a new phosphate, by Agricola. Farming News and North Brit. Agr. 97(49): 5. Nov. 30, 1945. 10 N82

11461 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. CHEMICAL UNIT. The Spanish potash industry. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., v. 3, pt. 2, No. 28, 7 p. Aug. 1945. 157.54 In232  
Digested from a report by W. L. Smyser.

11462 VILÁ MAYO, R. El nitrato amónico usado como fertilizante. Rev. de Agr., Indus. y Com. de Puerto Rico 36(1): 13-14. Jan./June 1945. 8 R325

11463 VILLARES RUDÓN, E. Ceniza de cáscara de algodón como una fuente de potasio para el tabaco. Rev. de Agr., Indus. y Com. de Puerto Rico 36(1): 44-46. Jan./June 1945. 8 R325

#### Secondary and Minor Element Materials

11464 MCHARGUE, J. S. Report on boron and fluorine in soils. Assoc. Off. Agr. Chem. J. 28: 797-799. Nov. 15, 1945. 381 As7

11465 SMITH, J. B. Report on magnesium and manganese in fertilizers. Assoc. Off. Agr. Chem. J. 28: 777-778. Nov. 15, 1945. 381 As7

#### Mixed Fertilizers and Fertilizer Technology

11466 SAUCHELLI, V. Que contém este saco de adubo? São Paulo. Sec. da Agr., Indus. e Com. B. de Agr. (ser. 44) 1943: 163-190. 1945. 9.2 Sa63  
Fertilizers and fertilizer analyses.

#### Fertilizer Statistics

11467 MOSER, R. E. 12 million tons more fertilizers for 1946. Mass. State Col. Ext. Farm Econ. Facts, Jan. 1, 1946, p. 6. 275.29 M381Fa

11468 WILLIAMSON, J. T. Wise to order fertilizer. This Month in Rural Ala., Jan. 1946, p. 5. 6 T34

Prospective fertilizer supply and analyses in Alabama for 1946.

#### Mineral Soil Amendments

11469 MACINTYRE, W. H. Report on soils and liming materials. Assoc. Off. Agr. Chem. J. 28: 796-797. Nov. 15, 1945. 381 As7

11470 MICHEL, K. L. Use of gypsum in agriculture. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 227-232. 1945. 500 T31  
Use as fertilizer and insecticidal dusts.

11471 ROGERS, H. T. Efficient crop production means balancing supply of available plant nutrients. Better Crops with Plant Food 29(10): 6-8, 40-41. Dec. 1945. 6 B46  
Use of lime in soil improvement, and its effects on other fertilizer elements.

11472 ROGERS, H. T. More lime being used. This Month in Rural Ala., Jan. 1946, p. 8. 6 T34

11473 SHAW, W. M. Report on liming materials. Assoc. Off. Agr. Chem. J. 28: 799. Nov. 15, 1945. 381 As7

#### Manures and Composts

11474 ALEXANDER, A. K. S. Right use of manure. Farmer & Stock-Breeder 59: 2016. Dec. 11, 1945. 10 F228

11475 BLAKE, G. A. Liquid manure. New Zeal. Dept. Agr. B. 256, 20 p. Wellington, 1945? 23 N48Bu

Also contains article, Construction of liquid manure distributor, by C. R. Taylor, p. 19-20.

11476 ETIGNY, J. D'. Elaboración de humus o tierra de hojas, mediante fermentación de residuos orgánicos. Rev. Nac. de Agr. [Bogotá] 39(492): 25-30. Sept./Oct. 1945. 9.4 R32

11477 HAAS, H. C. The earth's organic cover; burning leaves. Organic Gard. 8(3): 20-23. Feb. 1946. 56.8 Or3

11478 HORTON, D. H. Poultry manure with superphosphate or hydrated lime. Cackle and Crow 24, 1. s. 28(11, 1. e. 3): 6. Jan. 1946. 47.8 C11

11479 HOWARD, SIR A. Compost and healthy soil. The effect of sub-soiling. Organic Gard. 8(3): 5-6. Feb. 1946. 56.8 Or3

11480 JOGLAR-RODRÍGUEZ, F. La preparación del estiércol por el agricultor. Rev. de Agr., Indus y Com. de Puerto Rico 36(1): 11-12. Jan./June 1945. 8 R325  
Composts.

11481 LARSON, J. D. Streamlined soil-building, a synthetic topsoil. Chemurg. Digest 4: 385, 387-391. Dec. 31, 1945. 381 N213Na

Development and importance of Normal Soil, a synthetic humus product, used for the restoration of soil fertility.

11482 LAWRENCE, O. Composting in the olden days. Organic Gard. 8(3): 39-40. Feb. 1946. 56.8 Or3

11483 PILLAI, S. C., RAJAGOPALAN, R., and SUBRAHMANYAN, V. Observations on the extent of pollution and general quality of market garden crops grown on sewage. Sci. and Cult. 11: 207-208. Oct. 1945. 475 Sci24

11484 POLÍAKOV, A. A. Obezrazhivanie navoznoi zhizhi [Disinfection of liquid manure]. Veterinariya 21(5/6): 41-44. May/June 1944. 41.8 V6426

In time of epidemics it is very urgent to disinfect the liquid manure with slaked lime or chlorinated lime.

11485 ROBINSON, O. U. Peat for war and peace. Using ultra-modern methods peat is being harvested from many bogs in the Fraser River Delta. Family Herald and Weekly Star 76(52): 3. Dec. 26, 1945. 7 F21

11486 RODALE, J. I., and MEYER, H., ed. Questions & answers on compost. Organic Gard. Ser. 2, 47 p. Emmaus, Pa., 1945. 56.9 Or3

11487 STEPHENSON, R. E. Fertilizing value of sulfite waste liquor used on soils in irrigation water. Pulp and Paper Indus. 19(12): 68-70. Dec. 1945. 302.8 P11

11488 VAN VUREN, J. P. J. Municipal compost. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 168, 2 p. Pretoria, 1945. 24 So82Pa  
Municipal wastes as a source of fertilizer.  
11489 W., S. E. How to keep the soil fertile. Pop. Gard. 47: 322. Dec. 8, 1945. 80 G1622  
Use of manures and other organic wastes.

#### FORESTRY

##### FOREST ECONOMICS AND POLICY

11490 CARMELICH, J. N. F. Reforestación. Hereford 11: 430-431. Sept./Oct. 1945. 43.8 H42  
Reforestation program for Argentina.

11491 COLLINGWOOD, G. H. Action through education in sound forest practice. The forestry program of the U. S. forest industries. Brit. Columbia Lumberman 29(12): 34, 55-56. Dec. 1945. 99.81 B77

11492 FU, H. K. La situation forestière et ses problèmes en Chine. Forêt Québécoise 10: 415-418. Dec. 1945. 99.8 F79

11493 GARLAND, E. A. Philosophy in forestry. Indian Forester 70: 45-46. (To be cont.) Feb. 1944. 99.8 In2

11494 GILL, T. Forestry in the United Nations. Forêt Québécoise 10: 353-354. Dec. 1945. 99.8 F79  
Program of the Forestry Committee, Food and Agriculture Organization of the United Nations.  
Also in French, p. 387-389.

11495 GRIFFITH, L. O. Forestry program for the Appalachian Hardwood Manufacturers, Inc. J. Forestry 43: 919. Dec. 1945. 99.8 F768

11496 HERLITZ, N. Skogen och prispolitiken [The forest and price questions]. Jordbrukarnas Föreningsblad. Upl. A: Östra Mellansverige och Gästrikland 15(37): 1-2. Sept. 15, 1945. 11 J762

11497 KELLOGG, L. F. Factors affecting wartime prices for black walnut stumpage. J. Forestry 43: 880-882. Dec. 1945. 99.8 F768

11498 LELOUP, M. Exposé d'ensemble sur les problèmes forestiers français. Forêt Québécoise 10: 389, 391-394, 397-402, 405. Dec. 1945. 99.8 F79

11499 MAITLAND, V. K. Some requirements of post-war forest policy in the C. P. [Central Provinces]. Indian Forester 70: 327-339. Oct. 1944. 99.8 In2

11500 PRIESTMAN, H. L. E. Relaxations in United Kingdom timber control. Canada. Dept. Trade and Com. Intel. J. 74: 73-74. Jan. 26, 1946. 286.8 C16

11501 ROCKWELL, F. I. State initiates forestry program. S. Dak. Hort. Soc. Ann. Rpt. (1945) 42: 99-102. 81 So86

11502 SLOAN Commission report ready for B. C. Legislature. Brit. Columbia Lumberman 30(1): 33-37, 50-52, 56, 58-59, 62. Jan. 1946. 99.81 B77  
A synoptic brief of the report.

11503 WATTS, L. F. La situation forestière et ses problèmes aux États-Unis. Forêt Québécoise 10: 406-410. Dec. 1945. 99.8 F79

#### Legislation

11504 HOLST, M. L. A note on the emasculation of a forest fire law. J. Forestry 43: 877-878. Dec. 1945. 99.8 F768

Quotes successive forest-fire laws of Rhode Island. "Comment," by J. P. Kinney, p. 878-879.

##### FOREST DESCRIPTION AND RESOURCES

11505 ANDREWS, H. J. Pulpwood resources of the Pacific Coast. Paper Mill News 69(3): 11-12. Jan. 1946. 302.8 P195



11506 BRUNDAGE, R. C., and CROW, A. B. Forest resources of Illinois. Amer. Forests. 52: 28-31. Jan. 1946. 99.8 F762

Preview of findings of American Forestry Association Forest Resource Appraisal.

11507 IGBOBONE, A. D. La riqueza forestal de la República Argentina. Economista [México, D. F.] 15 (150): 25-28. Nov./Dec. 1945. 280.8 Ec793

11508 LOWEGREN, G. The forest and forest industries of Norrland. Svenska Handelsbanken's Index. Sup., Sept. 1945, 63 p. 280.8 In23

11509 ROTHERY, J. E. Treasure chest! To have & to hold. Forest & Outdoors, Dec. 1945, p. 322-324. 99.8 C16

Forest resources of Canada.

11510 TOBAL, M. A. La riqueza forestal argentina. Pampa Argentina 19(218): 6. Oct. 1945. 9 P19

11511 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. LUMBER UNIT. Forest resources and lumber economy of Mexico. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., Pt. 6. Forest Prod., v. 3, No. 16, 19 p. Washington, 1945. 157.54 In236

11512 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. LUMBER UNIT. Forest resources, lumber industries, and trade in Bolivia. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., Pt. 6, Forest Prod., v. 3, No. 15, 8 p. Washington, 1945. 157.54 In236

11513 WOODS, J. B. The Forest Resource Appraisal. South. Lumberman 171(2153): 170-171. Dec. 15, 1945. 99.81 So82

#### Individual Genera and Species

11514 BRUSH, W. D. Southern magnolia (*Magnolia grandiflora* Linnaeus). Amer. Forests 52: 32-33. Jan. 1946. 99.8 F762

11515 CHOWDHURY, K. A. *Acacia catechu* var. *Sundra*; commercial names: red cutch, lal khair. Indian Forester 70: 304-306. Sept. 1944. 99.8 In2

11516 HERINGER, E. P. Sobre o angico vermelho, *Piptadenia peregrina* Benth.. Chacaras e Quintais 72: 474-476. Oct. 15, 1945. 9.2 C34

Use in reforestation and for shading coffee.

11517 LONGWOOD, F. R. Cottonwood grows up. Iowa Conserv. 4: 192. Dec. 15, 1945. 279 Io92

Value and uses of the "weed trees" of Iowa.

#### FOREST ADMINISTRATION AND MANAGEMENT

11518 ARNST, A. Forage crops on J. Neils [Lumber Co.] cutover land. Timberman 46(12): 68, 70, 72, 73, 76. Oct. 1945. 99.81 T484

Management for grazing and timber restocking in Washington.

11519 CID, A. El principio de la persistencia y la entresaca regularizada o localizada. Montes 1: 179-183. July/Aug. 1945. 99.8 M763

11520 DAVIS, B. F. Reports on Pike National Forest controversy are given consideration by stockmen. Westerner 8(11): 32-35. Dec. 1945. 49 W622

11521 HAZARD, J. O. Hazard tells of 1946 program to improve forests in State. Tenn. Conserv. 11(1): 8. Jan. 1946. 410 T252

11522 MCCULLEY, R. D. Forest management trends in the naval stores region. South. Lumberman 171 (2153): 220, 222, 224. Dec. 15, 1945. 99.81 So82

11523 MARTIN, C. What can truck loggers do about reforestation? Brit. Columbia Lumberman 30(1): 60, 62, 102, 104. Jan. 1946. 99.81 B77

Conservative logging methods and management of second growth.

11524 SETSER, A. L. Forest development program for TVA lands. South. Lumberman 171(2153): 212, 214, 216-218. Dec. 15, 1945. 99.81 So82

11525 SOCIETY OF AMERICAN FORESTERS. APPALACHIAN SECTION. CUTTING PRACTICES COMMITTEE. Cutting practices for the Carolinas. J. Forestry 43: 861-870. Dec. 1945. 99.8 F768

Final report of committee, G. M. Jemison, Chairman.

11526 STREINZ, A. J. Objectives: sustained yield. South. Lumberman 171(2153): 177-178. Dec. 15, 1945. 99.81 So82

Program of timber management for Davy Crockett National Forest, Texas.

#### Administration

11527 AUSTRALIA. FORESTRY BUREAU. Annual report, 1944, 15 p., processed. Canberra, 1945. 99.9 Au723A

11528 BRITISH HONDURAS. FOREST DEPT. Report, 1944. 13 p. n. p., 1945. 99.9 B776

11529 CONNECTICUT. PARK AND FOREST COMMISSION. Biennial report, 16th, 1942/44. 84 p. Hartford, 1944. (Pub. Doc. 60) 99.9 C768

Report of the State Forester, p. 55-84.

11530 EISELIN, U. Die forstlichen verhältnisse des Kantons Tessin. Schweiz. Z. f. Forstw. 96: 229-249. Oct. 1945. 99.8 Sch9

11531 GOLD COAST. FORESTRY DEPT. Report, 1944/45, 7 p. Accra, 1945. 99.9 G56

11532 NEW ZEALAND. STATE FOREST SERVICE. Annual report of the Director of Forestry, 1944/45. 35 p. Wellington, 1945. 99.9 N49A

11533 TASMANIA. FORESTRY DEPT. Report, 1944/45. 11 p. Hobart, 1945. 99.9 T182

11534 TRINIDAD AND TOBAGO. CONSERVATOR OF FORESTS. Administration report, 1944, 6 p. 1945. (Council Paper No. 31 of 1945.) 99.9 T73

#### Farm Woodlands

11535 ARNST, A. Private land management possibilities. Timberman 47(3): 214-217. Jan. 1946. 99.81 T484

Farm forestry on western Washington farms.

11536 COOK, D. B. A forester's forest. Amer. Forests 52: 22-23, 46-47. Jan. 1946. 99.8 F762

Account of management and reforestation of abandoned farm and woodlot in New York.

11537 DAW, T. Farm forestry cooperation. Mich. Conserv. 14(12): 6-7. Dec. 1945. 279.9 M582

11538 FRITZE, E. The farm wood lot [as a source of fuel]. New England Homestead 118(23): 19. Dec. 8, 1945. 6 N442

11539 GUIDMONT, A. Santa Claus et sylviculture se feront la grimace. Forêt Québécoise 10: 360-362. Dec. 1945. 99.8 F79

Pros and cons of Christmas tree cutting on the farm.

11540 MAXWELL, E. C. "Nebraska farms need more trees." Nebr. State Bd. Agr. Ann. Rpt. 1945: 374-375. 2 N27R

11541 WALKER, J. The prairies turn to tree-belts. Forest & Outdoors, Dec. 1945, p. 325-326. 99.8 C16

Planting of windbreaks on Canadian prairie farms.

11542 YARBROUGH, G. An innovent borer turned the trick; forester's gadget convinces landowner crowded trees grow too slow. Ala. Conserv. 17(7): 4. Jan. 1946. 279.8 AL1

Importance of timber and pulpwood harvesting in economy of Marengo County farm.

#### Mensuration

11543 GOODSPEED, A. W. Determination of the regulated empirical growing stock from field data. J. Forestry 43: 906-914. Dec. 1945. 99.8 F768

11544 HERRICK, A. M. A numerical evaluation of stand structure. J. Forestry 43: 891-899. Dec. 1945. 99.8 F768

- 11545 MERRILL, F. B. Basal area tree and log volumes. *Forestry Chron.* 21: 254-266. Dec. 1945. 99.8 F7623

#### FOREST PROTECTION AND DAMAGE

- 11546 DRUMMOND, R. O. Lopping in the Kumaun Himalaya of United Provinces. *Indian Forester* 70: 401-408. Dec. 1944. 99.8 In2  
Damage to forests by lopping and grazing, and administrative measures for forest protection.

#### Fire

- 11547 HAYES, G. L. Fire danger and forest fires. *South. Lumberman* 172(2154): 52-53. Jan. 1, 1946. 99.81 So82  
11548 MCCULLOCH, W. F. The phoenix was a piker. *Keep Oreg. Green Q.* 2(4): 3-4. Dec. 1945. 99.8 G822  
Forest fires in the Tillamook-Wilson river area.  
11549 MACDANIELS, E. H. Forest fire fighting in the West. *Timberman* 46(11): 110-111. Sept. 1945. 99.81 T484  
11550 PETERSON, C. I. Peterson tells of evils of burning our forest lands. *Tenn. Conserv.* 11(1): 13. Jan. 1946. 410 T252  
11551 PRIAULX, A. Girl fire lookout. *Timberman* 46(11): 42-43, 72. Sept. 1945. 99.81 T484  
11552 SEARS, H. M. What's wrong with forest fire control in the South? *South. Lumberman* 171(2153): 238, 240, 242. Dec. 15, 1945. 99.81 So82  
11553 THURKILDSON, H. Florida's forest fire loss greatest in Nation. *Amer. Eagle* 40(36): 1. Dec. 27, 1945. 6 Am327

#### Meteorological Injuries

- 11554 SZFOR, S. Elektrische widerstände der bäume und blitzgefährdung. *Schweiz. Z. f. Forstw.* 96: 209-219. Sept. 1945. 99.8 Sch9

#### SILVICULTURE

See Items 10805-10828

#### LUMBERING

- 11555 BISHOP, S. A. Carving out an empire in Brazil. *Timberman* 46(12): 114-116. Oct. 1945. 99.81 T484  
Operations of the Southern Brazil Lumber & Colonization Company.  
11556 CARTER, W. E. Home markets are by-passed: our veterans suffer housing shortage as lumber exports soar. *Wood Construct.* 32(2): 13, 37. Jan. 15, 1946. (Madison Sub-Branch Libr.)  
11557 CLAPP, C. E. The forests produced the goods. Volume of Alabama's wartime production reached astronomical figure. *Ala. Conserv.* 17(6): 4, 14. Dec. 1945. 279.18 All  
11558 DESCH, H. E. Empire hardwoods; vicissitudes in the [Malayan] export trade - three essential conditions for success. *Timber Trades J.* 175: 557-558. (To be cont.) Dec. 15, 1945. 99.81 T48  
11559 DESCH, H. E. Empire hardwoods - II. Record Malayan shipments to U. K. - Difficulties of control and price fixing. *Timber Trades J.* 175: 673-674. Dec. 29, 1945. 99.81 T48  
11560 DIETZ, M. A. Peacetime lumber demand. Part 1 - Potential volume of postwar demand. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., Pt. 6. *Forest Prod.*, v. 3, No. 17, 6 p. Washington, 1945. 157.54 In236  
11561 HOENE, J. V. With timber producers from war to peace. *Miss. Val. Lumberman* 77(2): 48-49, 52. Jan. 11, 1946. 99.81 M69  
11562 JOHNSON, D. Lumber in peacetime years. *Miss. Val. Lumberman* 77(2): 58-60. Jan. 11, 1946. 99.81 M69

- 11563 KNEELAND, P. D. Problems of a hardwood operator discussed from a forester's point of view. Part 1. *Timber of Canada* 6(5): 68-70. Jan. 1946. 99.81 T487

11564 KNOTH, R. F. Easy money? You'll not find it in tropical timber. *South. Lumber J.* 50(1): 24, 75. Jan. 1946. 99.81 So8

11565 MULLER, J. L., and DIETZ, M. A. Peacetime lumber demand. *South. Lumberman* 171(2153): 186-190. Dec. 15, 1945. 99.81 So82

11566 MULLER, J. L., and DIETZ, M. A. Public attention focused on lumber production, supply outlook. *Amer. Lumberman*, No. 3324, p. 38-46. Dec. 22, 1945. 99.81 Am3

11567 POMEROY, A. The value of windbreaks. *Gard. Chron. Amer.* 50(1): 10-11, 26. Jan. 1946. 80 G1632

11568 PRESTRIDGE, J. A. A merchandising opportunity. *South. Lumberman* 171(2153): 172. Dec. 15, 1945. 99.81 So82

Outlook for the lumber industry.

11569 SMITH, K. When can I get some prewar redwood? *Calif. Lumber Merchant* 24(12): 6. Dec. 15, 1945. 99.81 C12

11570 WHITE, C. H. San Francisco lumberman reviews conditions. *Calif. Lumber Merchant* 24(12): 16, 18. Dec. 15, 1945. 99.81 C12

#### Equipment

11571 MAINTENANCE at Potlatch [Forests, Inc., Lewiston, Idaho]. *Timberman* 46(11): 60, 63-64, 66, 68, 70. Sept. 1945. 99.81 T484

#### Logging

11572 KOROLEFF, A. Twenty-eighth annual meeting of Woodlands Section of the Canadian Pulp and Paper Association. *Pulp and Paper Mag. of Canada* 46: 1011. Dec. 1945. 302.8 P96

11573 MACLEAN, A. P. The Ladysmith experiment in salvaging pulpwood from logging waste, 1943-1944. *Forestry Chron.* 21: 240-253. Dec. 1945. 99.8 F7623

Cooperative project of the Comox Logging and Railway Company, the Powell River Company, Limited, and the British Columbia Forest Service.

11574 MARKHAM, W. A. Mahogany logging in British Honduras. *Timberman* 46(12): 52-54, 56, 58. Oct. 1945. 99.81 T484

#### Lumber Industry

11575 BEMIS, J. R. Southern Pine [Association] looks ahead with confidence. *South. Lumberman* 171(2153): 191-193. Dec. 15, 1945. 99.81 So82

11576 LECLAIR, W. J. Lumber industry outlook hopeful despite handicaps. *Timber of Canada* 6(5): 31-32. Jan. 1946. 99.81 T487

11577 MCCULLOUGH, B. Labor developments in the southern lumber industry. *South. Lumberman* 171(2153): 208, 210. Dec. 15, 1945. 99.81 So82

11578 MASON, N. P. Lumber dealers' responsibilities and outlook. *South. Lumberman* 171(2153): 291-292. Dec. 15, 1945. 99.81 So82

11579 TITUS, R. T. Postwar prospects of the Pacific Northwest lumber industry. *Calif. Lumber Merchant* 24(12): 30, 32. Dec. 15, 1945. 99.81 C12

#### Sawmills

11580 HESSLER, H. New developments in lumber manufacturing. *Amer. Lumberman*, No. 3324, p. 55-56, 59, 96. Dec. 22, 1945. 99.81 Am3

11581 OTTER, J. R. Circular sawmills, their equipment and operation. Chapter III. Auxiliary sawmill equipment. *South. Lumberman* 171(2153): 259-260, 262-264, 266. Dec. 15, 1945. 99.81 So82

11582 TRUE, R. P., and MCCULLLEY, R. D. Defects above naval stores faces are associated with dry face. *South. Lumberman* 171(2153): 200-202, 204. Dec. 15, 1945. 99.81 So82



## WOOD TECHNOLOGY

- 11583 KAUFFMAN, E. House of wood magic. Amer. Forests 52: 10-12, 40-41. (To be cont.) Jan. 1946. 99.8 F762
- War achievements of the U. S. Forest Products Laboratory.
- 11584 LISKA, J. A., and GOTTSCHALK, F. W. Wood structural research and development [in Germany]. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1274, 99 p., processed. Washington, D. C., 1945. Ref. 157.8 R29
- 11585 RISHELL, C. A., and MCKEAN, H. B. What research is doing for hardwoods. South. Lumberman 171(2153): 195-200. Dec. 15, 1945. 99.81 So82

## Chemical and Physical Properties

- 11586 KATZEN, R., SAWYER, F. G., and OTHERS, D. F. Extraction of lignin from hydrolyzed lignocellulose. Indus. and Engin. Chem., Indus. Ed. 37: 1216-1222. Dec. 1945. 381 J825
- 11587 REHMAN, M. A., and ISHAQ, S. M. Bending of skis. Forest Res. Inst., Dehra Dun. Indian Forest Leaflet 78, 5 p. Dehra Dun, 1945. 99.9 F768
- Tests carried out on the bending of laurel, sissoo, and aini for solid wood skis.
- 11588 ROCHESTER, G. H. The mechanical properties of wood. Timber of Canada 6(5): 45-50, 52, 54, 56, 58, 60, 63. (To be cont.) Jan. 1946. 99.81 T487
- Tables show physical and mechanical properties of 50 Canadian woods in green and air-dry states.
- 11589 TIEMANN, H. D. Measurement of moisture in wood. South. Lumberman 171(2153): 267. (Cont.) Dec. 15, 1945. 99.81 So82
- 11590 WISE, L. E., MURPHY, M., and D'ADDIECO, A. A. Chlorite holocellulose, its fractionation and bearing on summative wood analysis and on studies on the hemicelluloses. Paper Trade J. 122 (TAPPI Sect. ): 35-43. Jan. 10, 1946. 302.8 P196
- 11591 WISE, L. E., and MOORE, S. T. The ether-soluble extractive of black sprucewood. J. Organ. Chem. 10: 516-519. Nov. 1945. 381 J827

## Preservative Treatment

- 11592 CUSEC. Fungus decay, preservation methods of timber on the farm. New Zeal. Farmer Weekly 66(19): 7-8. Nov. 15, 1945. 23 N484
- 11593 HARTLEY, C. Lumber shipped green can be protected against decay. Miss. Val. Lumberman 76 (51): 11, 30. Dec. 21, 1945. 99.81 M69
- Also in South. Lumber J. 50(1): 52. Jan. 1946. 99.81 So8
- 11594 KINBERG, W. Jahresbericht...über holzschutz gegen holzpilze, tierische schädlinge und feuer, 1943, 77 p., processed. Stockholm, Tekniska Industri Firman, 1944? 300.8 J19

## Seasoning and Conditioning

- 11595 ANDERSON, E. A. The hardwood kiln operator - key technician. South. Lumberman 171(2153): 268, 270, 272. Dec. 15, 1945. 99.81 So82
- 11596 LECLAIR, W. J. The seasoning of lumber. Part 1. Timber of Canada 6(5): 73-77. Jan. 1946. 99.81 T487

## FOREST PRODUCTS

- 11597 ARIES, R. S. Wood in many new guises. Canada Lumberman 66(1): 12-14, 34-35. Jan. 1, 1946. 99.81 C16
- 11598 BURPEE, C. M. Critical tie shortages foreseen in 1946. Cross Tie B. 27(1): 10, 12, 14. Jan. 1946. 99.82 C87
- 11599 BURPEE, C. M. The high and low of forest products. Railway Age 120(1): 36-39. Jan. 5, 1946. 288.8 R136
- Crosstie situation and outlook.

- 11600 HARRIS, E. E. Industrial alcohol from wood waste. South. Lumberman 171(2153): 244-246, 248. Dec. 15, 1945. 99.81 So82
- 11601 HYLER, J. E. Heat application for gluing [wood]. Veneers and Plywood 40(1): 8, 10. Jan. 1946. 99.82 V55
- 11602 JACOBS, W. F. Developments in wood use. Fla. Acad. Sci. Q. J. 8: 153-159. June 1945. 500 F66
- 11603 KLUENDER, W. A. Potential outlet for Minnesota aspen seen in Michigan industries. Miss. Val. Lumberman 77(2): 54. Jan. 11, 1946. 99.81 M69
- 11604 LEICESTER, W. F. Wood and glue, war-developed adhesives and gluing processes have many post-war applications. South. Lumberman 171(2153): 275-276, 278-280. Dec. 15, 1945. 99.81 So82
- 11605 LIMAYE, V. D. Helves and tool handles. Indian Forester 70: 175-177. June 1944. 99.8 In2
- 11606 LISKA, J. A., and GOTTSCHALK, F. W. Report on use of wood in truck bodies built by Daimler-Benz. U. S. Dept. Com. Off. Pub. Bd. Rpt. 5479, 3 p., typewritten. Washington, D. C., 1945. 157.8 R29
- 11607 LISKA, J. A., and GOTTSCHALK, F. W. Use of wood in aircraft at fabricating plants in Tamm bei Stuttgart, and Darmstadt. U. S. Dept. Com. Off. Pub. Bd. Rpt. 5083, 5 p., processed. Washington, D. C., 1945. 157.8 R29
- 11608 NARAYANANMURTI, D., and RANGANATHAN, V. Laminated skis. Forest Res. Inst., Dehra Dun. Indian Forest Leaflet 79, 3 p. Dehra Dun, 1945. 99.9 F768
- Includes properties required of "Ski woods."
- 11609 NICHOLSON, A. Wood is an amazing crop. Country Gent. 96(1): 12-13, 74. Jan. 1946. 6 C833
- 11610 PARHAM, C. W. Transportation of forest products in the reconversion period. South. Lumberman 171(2153): 252, 254-255. Dec. 15, 1945. 99.81 So82
- 11611 PAUL, B. H., and BAUDENDISTEL, M. E. Open-grown sugar maple for textile shuttles. South. Lumberman 171(2153): 173-176. Dec. 15, 1945. 99.81 So82
- 11612 PERRY, T. D. Resin adhesives become established; looking over last decade, 1935-1945. Timberman 47(3): 148, 150. Jan. 1946. 99.81 T484
- 11613 REHMAN, M. A., and ISHAQ, S. M. Indian woods for pencil making. Forest Res. Inst., Dehra Dun. Indian Forest Leaflet 66, 8 p. Dehra Dun, 1945. 99.9 F768
- 11614 RISI, J., and BRULE, M. Essential oils from Quebec conifers. Amer. Perfumer and Essential Oil Rev. 48(1): 37-39. Jan. 1946. 308.8 Am3
- 11615 SHEATS, D. Bare walking sticks. Amer. Forests 52: 21, 47. Jan. 1946. 99.8 F762
- Account of Rudolph Block collection at the School of Forestry, Yale University.
- 11616 SWEATT, H. B. What makes a strong glued joint? South. Lumberman 171(2153): 287-288, 290. Dec. 15, 1945. 99.81 So82
- 11617 WALKER, R. British timber interest plan counterblast to alternative materials. Indian Forester 70: 140-142. May 1944. 99.8 In2
- Plans for postwar wood utilization promotion in Great Britain.
- 11618 WILLS, R. S. Wood comes into its own. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 83-88. 1945. 500 T31
- 11619 YOUNG, S. H. A., PALESE, R. A. M., and BERLINER, J. P. T. Engineered wood. South. Lumberman 171(2153): 181-185. Dec. 15, 1945. 99.81 So82
- Impregnation, compression and other treatments of wood.

## Barrels, Boxes, and Crates

- 11620 HERRING, W. H. Unique cedar barrels for cigars. Barrel and Box and Packages 50(12): 15. Dec. 1945. 99.82 B27

- 11621 LEVINE, S. Redwood tanks, their place in winemaking. *Wines & Vines* 26(12): 28, 39. Dec. 1945. 95.8 C122
- 11622 WAGNER, J. R. Wide end staves; their cause, effect and remedy. *Barrel and Box and Packages* 50(12): 9-10. Dec. 1945. 99.82 B27
- 11623 WHITNALL, R. Apple boxes and pine timber. *Timberman* 46(12): 86, 88, 90, 98-99. Oct. 1945. 99.81 T484
- Situation and outlook in apple box industry in Washington.

#### Building Construction

- 11624 DIETZ, A. G. H. Timber design progress during and since the war. *Prog. Architect* 27(1): 90-93. Jan. 1946. 296.8 P37
- 11625 EADES, H. W. Cause and prevention of decay in wooden buildings, with particular reference to coastal B. C. *Brit. Columbia Lumberman* 29(12): 28-29, 92, 94, 96-98. Dec. 1945. 99.81 B77
- Emphasizes methods of construction rather than chemical treatment.
- 11626 HISCOCKS, H. D. Plywood structures. *Timber of Canada* 6(3): 49-51, 55. Nov. 1945. 99.81 T487
- 11627 WELLBERG, E. T. Cottonwood timber. *Iowa Conserv.* 4: 183. Nov. 15, 1945. 279 I092
- Use of poplar wood for construction.
- 11628 WEXLER, A., NEWMAN, S. B., and PHELAN, V. B. Structural properties of prefabricated plywood lightweight constructions for walls, partitions, floors, and roofs sponsored by the Douglas Fir Plywood Association. U. S. Natl. Bur. Standards. Bldg. Mater. and Struct. Rpt. BMS 104, 48 p. Washington, D. C., 1945. 157.88 B862
- R. F. Luxford, Forest Products Laboratory, U. S. Forest Service collaborating.

#### Charcoal

- 11629 DEY, A. C., and VARMA, B. S. Quality of charcoal produced in indigenous kilns. *Forest Res. Inst., Dehra Dun. Indian Forest Leaflet* 56, 4 p. Dehra Dun, 1944. 99.9 F768

#### Furniture

- 11630 BOOTH, F. L. Producing laminated display fixtures. *Veneers and Plywood* 40(1): 16, 18-19. Jan. 1946. 99.82 V55

#### Plastics

- 11631 BARBER, R. W. What paper for laminates? *Plastics [Chicago]* 4(1): 66, 68, 86, 88. Jan. 1946. 309.8 P692
- 11632 CARONA, P. B. The economic possibilities of transmitting wood with dimethylolurea. *Tex. Acad. Sci. Proc. and Trans.* (1944) 28: 79-83. 1945. 500 T31
- 11633 GEEN, H. C., and VAN STEENWYK, H. Compregnated wood antenna masts for aircraft. *Resinous Rptr.* 6(5): 12-14. Dec. 1945. 309.8 R312
- 11634 NARAYANAMURTI, D., and SINGH, K. Preliminary studies on improved wood. Part III. Compregnated wood. *Forest Res. Inst., Dehra Dun. Indian Forest Leaflet* 77, 11 p. Dehra Dun, 1945. 99.9 F768
- 11635 PAULSON, R., and GILCHRIST, W. Resistance of compreg to sodium hydroxide. *Plastics Trends*, 5(22): 5-6, processed. Nov. 15, 1945. 309.8 P892
- 11636 WEST, C. J. Lignin and paper-base plastics. *Inst. Paper Chem. Bibliog. Ser.* 161, rev. variously paged, processed. Appleton, 1945. 241.4 Ap5
- "First edition, November, 1943. Reprinted, with additions, April 1945."

#### Pulp and Paper

- 11637 ARNST, A. Mechanical handling of small pulp logs. *Timberman* 46(11): 102-104. Sept. 1945. 99.81 T484
- 11638 BALDWIN, C. Prospects for warborn boxes in peacetime. *Amer. Box Maker* 35(1): 10-11, 20. Jan. 1946. 99.82 Am3
- "Y" and "W" fiberboard boxes.
- 11639 COOK, W. F. New crepe wadding mill in operation; details of the Kimberly-Clark installation at Kapuskasing [Ontario]. *Pulp and Paper Mag. of Canada* 46: 995-996. Dec. 1945. 302.8 P96
- 11640 DELEVANTI, C., JR., and HANSEN, P. B. Studies of dielectric properties of chemical pulps. *Paper Trade J.* 121 (TAPPI Sect.): 35-43. Dec. 27, 1945. 302.8 P196
- 11641 EDLING, G. Waste sulfite liquor evaporation in Sweden. *Pulp and Paper Indus.* 19(12): 58, 60. Dec. 1945. 302.8 P11
- 11642 HYDE, J. B. Use of resins in pulp and paper. *Pulp and Paper Indus.* 19(12): 49-50, 52. Dec. 1945. 302.8 P11
- 11643 IZVERKOV, A. Soviet paper & cellulose industry. *Pulp and Paper Mag. of Canada* 46: 1034. Dec. 1945. 302.8 P96
- 11644 KRESS, O. Some observations on the French and German paper industry. *Paper Indus. and Paper World* 27: 1207-1209. Nov. 1945. 302.8 P1923
- 11645 LAGERLOEF, E. G., and COXE, G. R. Pulp and paper - foreign economic developments. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., Pt. 6. *Forest Prod.*, v. 3, No. 3-15, 19-20. Washington, 1945. 157.54 In236
- The reports cover Central and South American countries.
- 11646 LINCOLN, W. B., JR. Development of "Y" and "W" board weatherproof corrugated shipping containers. *Paper Mill News* 68(52): 14, 16-17, 18-19. Dec. 29, 1945. 302.8 P195
- 11647 MCKINNEY, J. W. The effect of alkaline pulping on the acetylating properties of wood pulp. *Paper Trade J.* 122 (TAPPI Sect.): 36-40. Jan. 24, 1946. 302.8 P196
- 11648 MALCOLMSON, J. D. New developments in paperboard packages. *Paper Mill News* 68(51): 22. Dec. 22, 1945. 302.8 P195
- 11649 MOSHER, R. H. Possible methods for combining synthetic resins with paper directly on the paper machine. *Paper Trade J.* 121 (TAPPI Sect.): 47-54. Dec. 20, 1945. 302.8 P196
- 11650 PARKER, C. G. International trade and the pulp and paper industry. *Pulp and Paper Mag. of Canada* 46: 993-994, 1009. Dec. 1945. 302.8 P96
- 11651 SETTERWALL, F. Heat recovery in pulp and paper mills. *Pulp and Paper Mag. of Canada* 46: 1004-1005. Dec. 1945. 302.8 P96
- Utilization of sulfite liquor as fuel.
- 11652 SHINN, D. L. Studies on the electrolysis of calcium base sulfite waste liquor. *Pulp and Paper Indus.* 19(12): 66-88. Dec. 1945. 302.8 P11
- 11653 TECHNICAL ASSOCIATION OF THE PULP AND PAPER INDUSTRY. PAPER TESTING COMMITTEE. Flexural resistance and deflection of fiberboard; revision of TAPPI Suggested Method T469 sm-45. *Paper Trade J.* 121 (TAPPI Sect.): 43-44. Dec. 27, 1945. 302.8 P196
- 11654 TOUSLEY, P. D. Economic and market aspects of ethyl alcohol from waste sulfite liquor. *Pulp and Paper Indus.* 19(12): 60, 62, 64-65. Dec. 1945. 302.8 P11
- 11655 VINCENT, R. The importance of hemicellulose in wood pulp. *Paper Trade J.* 122 (TAPPI Sect.): 31-35. Jan. 24, 1946. 302.8 P196
- 11656 WEST, C. J. United States patents of papermaking, third and fourth quarters, 1945. *Paper Trade J.* 122 (TAPPI Sect.): 27-30. Jan. 17, 1946. 302.8 P196
- 11657 WICKER, D. R. Sulphate dissolving pulp for rayon manufacture, Kostheim, Obernburg, Darmstadt. U. S. Dept. Com. Off. Pub. Bd. [Rpt.] 1130, 6 p., processed. Washington, D. C., 1945. 157.8 R29



- 11658 WINSLOW, C. P. Pulp and paper activities in the Mannheim, Darmstadt and Heidelberg area. U. S. Dept. Com. Off. Pub. Bd. Rpt. 25, 10 p., processed. Washington, D. C., 1945. 157.8 R29
- 11659 YOUNGCHILD, K. E. Melamine resins for wet strength paper. Pulp and Paper Indus. 19(12): 54, 56. Dec. 1945. 302.8 P11

#### Veneers and Plywood

- 11660 ARNDT, R. Plywood in the home. South. Lumberman 171(2153): 314-315. Dec. 15, 1945. 99.81 So82
- 11661 BARTHELEMY, P. P. Plywood car construction. Timberman 47(3): 142. Jan. 1946. 99.81 T484
- 11662 BURT, W. R. New products our life-blood. South. Lumberman 171(2153): 301-302, 304. Dec. 15, 1945. 99.81 So82
- New plywood and wood plastics products.
- 11663 BURT, W. R. Wood-Ply Research Foundation produces new products in 15 months of efforts. Miss. Val. Lumberman 77(2): 34, 36, 38. Jan. 11, 1946. 99.81 M69
- 11664 CLOSE, G. C. Finishing the world's largest airplane. Indus. Finishing 22(2): 46-48, 50. Dec. 1945. (Madison Sub-Branch Lib.)
- Waterproof finish for the Hughes H-4 flying boat, a plywood structure.
- 11665 DEED, W. J. Marine plywood. Timberman 47(3): 50, 52, 100. Jan. 1946. 99.81 T484
- 11666 DIRECTORY of plywood producers. Timberman 47(3): 160-164, 166. Jan. 1946. 99.81 T484
- 11667 EILERTSEN, L. W. Phenolic resin glues for exterior [plywood] patching. Timberman 47(3): 144. Jan. 1946. 99.81 T484
- 11668 FRANCIS, B. L. Making and using basket-factory veneer. Veneers and Plywood 40(1): 24, 26. Jan. 1946. 99.82 V65
- 11669 HUSS, A. Package system in plywood warehousing. Timberman 47(3): 56. Jan. 1946. 99.81 T484
- 11670 NICKEY, S. M., JR. Hardwood plywood. South. Lumberman 171(2153): 284-286. Dec. 15, 1945. 99.81 So82
- 11671 PERKINS, H. S. Expanding markets for oversize [plywood] panels. Timberman 47(3): 38-40, 80, 85. Jan. 1946. 99.81 T484
- 11672 RIPPEY, H. F. Resin sealing of plywood and doors. Timberman 47(3): 146. Jan. 1946. 99.81 T484

- 11673 SCHRAEDER, O. H. Marine applications of Douglas fir plywood. Timberman 47(3): 108-110, 114. Jan. 1946. 99.81 T484

- 11674 SLIFKO, C. W. Chile's plywood and veneer industry. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., Pt. 6. Forest Prod., v. 3, No. 2, 2 p. Washington, 1945. 157.54 In236

- 11675 SLIFKO, C. W. Veneer and plywood in greater demand. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv., Pt. 6. Forest Prod., v. 3, No. 1, 4 p. Washington, 1945. 157.54 In236

- 11676 TURNER, R. Plywood came out of the kitchen to fight. Mil. Engin. 38(243): 18-21. Jan. 1946. 290.9 Un3

- 11677 WANGAARD, F. F., and TIGELAAR, J. H. The manufacture of plywood and related products in western Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1267, 42, 25 p., processed. Washington, D. C., 1945. 157.8 R29

#### Wood as Fuel

- 11678 HOPKINS, G. M. Fuel supplies in the United Provinces. Indian Forester 70: 253-256. Aug. 1944. 99.8 In2

Firewood and charcoal.

- 11679 YARRAM, E. R. Logs to burn. Gard. Chron. 118: 240-241. Dec. 8, 1945. 80 G162

#### MISCELLANEOUS

- 11680 CASTILLO, J. V. Defensa del arbol: el Congreso Forestal. Rev. Nac. de Agr. [Bogotá] 39(492): 55-56. Sept./Oct. 1945. 9.4 R32
- 11681 COCHRAN, H. D., MACFATE, H. C., and MCGINDLEY, F. C. Multiple management in the Forest Service. Personnel Admin. 8(4): 15-21. Dec. 1945. 249.38 P43

- 11682 LIÉVANO, A. El primer Congreso Forestal Colombiano. Rev. Nac. de Agr. [Bogotá] 39(492): 5, 7. Sept./Oct. 1945. 9.4 R32

- 11683 PRASAD, J. The use of terms derived from the word forest. Indian Forester 70: 159. May 1944. 99.8 In2

- 11684 S., R. El primer Congreso Forestal de Colombia. Rev. Nac. de Agr. [Bogotá] 39(492): 7. Sept./Oct. 1945. 9.4 R32

- 11685 TRENK, F. B. Community forests for war memorials. Wis. Conserv. B. 10(12): 10-11. Dec. 1945. 279.8 W752

- 11686 WIDRIG, J. Ausscheidung von wald und weide im gebirge. Bericht über die forstliche studienreise für höhere gebirgsforstleute 1. bis 5. juli 1945. Schweiz. Z. f. Forstw. 96: 198-209. Sept. 1945. 99.8 Sch9

- 11687 WINSLOW, C. P. Report on visit to the Forestry Institute [Schloss Reinbek b. Hamburg]. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1290, 15 p., processed. Washington, D. C., 1945. 157.8 R29
- Report on activities and staff of the Institute and general forest conditions in Germany.

#### Education

- 11688 HANRAHAN, F. J. Teaching timber engineering. Miss. Val. Lumberman 77(2): 42-43. Jan. 11, 1946. 99.81 M69

- Also in Brit. Columbia Lumberman 30(1): 73-74. Jan. 1946. 99.81 B77

- 11689 HOSKINS, R. N. A railroad preaches forestry. South. Lumberman 171(2153): 227-228. Dec. 15, 1945. 99.81 So82

- Educational work of the Seaboard Air Line Railway.

- 11690 WEDDELL, D. J. South's oldest forestry school starts 40th year. South. Lumber J. 50(1): 20, 80. Jan. 1946. 99.81 So8

- George Foster Peabody School of Forestry, University of Georgia.

#### Engineering

- 11691 GNÄGI, H. Zum thema "generelle wegnetze." Schweiz. Z. f. Forstw. 96: 189-198. Sept. 1945. 99.8 Sch9

#### Forest Influences

- 11692 BURGERS, P. H. Boschbouw en regenval. Nederland. Boschbouw Tijdschr. 17: 337-338. Dec. 1945. 99.8 N28

- 11693 DUNFORD, E. Forests affect water supplies. West. Farm Life 24(21): 3, 14. Dec. 15, 1945. 6 R153

- 11694 MARTIN, O. M. Influence of forests on rainfall. Indian Forester 70: 325-327. Oct. 1944. 99.8 In2

#### ANIMAL INDUSTRY

##### BREEDS AND BREEDING

- 11695 BELLO, O. Consideraciones generales sobre la cría de animales. Res 13: 18341. (To be cont.) Nov. 20, 1945. 286.85 R31

- 11696 BERRY, J. C. Research in the field of animal breeding. Agr. Inst. Rev. 1: 120-123. Dec. 1945. 7 Ag6

- 11697 BOCETA DURÁN, V. Fundamentos y normas genéticas de aplicación a la selección animal. Inst. Nac. de Colon. Estud., v. 2, No. 7, 119 p. Madrid, 1945. Ref. 280.9 Spl1
- 11698 CRAFT, W. A. Improving farm livestock through breeding. (Abs.) Nebr. State Bd. Agr. Ann. Rpt. 1945: 467-470. 2 N27R
- 11699 NICHOLS, J. E. What line breeding really is. Farmer & Stock-Breeder 29: 2056. Dec. 18, 1945 10 F228
- 11700 VAN WATERS, N. The value of sires that work improvement. Cattleman 32(8): 52-54. Jan. 1946. 49 G29
- 11701 ZAVADOVSKY, M. Heightened fertility through hormones. Hawaii Farm and Home 8(11): 16. Nov. 1945. 25 H3191

## FEEDS AND FEEDING

- 11702 ANDRADE, B. M. DE. A importância da vitamina "A" na nutrição animal. Rev. dos Criadores 16(10): 29-31. Oct. 1945. 43.8 R32
- 11703 BECHTEL, H. E. and others. Pit silos for the storage of Atlas sorgo grain and of soft corn. J. Anim. Sci. 4: 438-452. Nov. 1945. 49 J82
- F. W. Atkeson, F. C. Fenton, and W. M. Carleton, joint authors.  
Concerning preparation.
- 11704 BERESFORD, H. Sugar beet top utilization as livestock feed. Sugar Beet 6(1): 20-22. Dec. 1945. 66.8 Su34B
- 11705 BETHKE, R. M. The future of feeds and feeding. Grain & Feed J. Consolidated 95: 403. Nov. 28, 1945. 298.8 G762
- 11706 BROWN, J. M. Research in the field of animal nutrition. Agr. Inst. Rev. 1: 116-118. Dec. 1945. 7 Ag8
- 11707 BULYCHEV, I. A., and KUBLIKOV. Obezrazhivanie vody dlia poenifa zhivotnykh [Disinfectants for use in water for animals]. Veterinarifa 22(7): 38-40. July 1945. 41.8 V6426
- 11708 CAMPBELL, R. S., and PEEVY, F. A. Grazing values on southern pine lands reduced by hardwood invasion. South. Lumberman 171(2153): 230, 232, 234-235. Dec. 15, 1945. 99.31 So82
- 11709 COX, H. R. Here's something new in grass silage. N. J. Farm and Gard. 16(12): 16. Dec. 1945. 6 G162
- 11710 D'ANDRE, E. La utilización de trigos "fuera de grado" y de los subproductos de la mollienda como forrajes. "Granos" Semilla Selecta 9(4/6): 29-32. Apr./June 1945. 9 G762
- 11711 DOLZHEANSKIY, L. Nazemnoe silosovanie. Kolkhoz. Proizvod. 5(7): 28. July 1945. 281.8 K83.
- Preparation of silage in the field.
- 11712 ERIKSSON, S. Skördetidens inflytande på förlusten vid AIV-foderberedning. Lantmannen 29: 1048-1049, 1056-1057. Nov. 24, 1945. 11 L234
- Effect of harvesttime on loss in nutritive value in the preparation of silage.
- 11713 GORB, T. Otkhody zernoochistki -- v razsion zhivotnykh [Wastes from grain cleaning -- in the rations of animals]. Sovkhoz. Proizvod. 5(7): 16-17. July 1945. 20 So85
- 11714 HANSON, L. E. Nutrition and animal health. Nebr. State Bd. Agr. Ann. Rpt. 1945: 475-483. 2 N27R
- 11715 HERNER, M. C. Minerals and supplements. Canad. Grain J. 1(5): 13. Dec. 1945. 59.8 C16
- 11716 ISENBAEV, E. Senouborka v Kastekskom sovkhoe. Sovkhoz. Proizvod. 5(4/5): 13-16. Apr./May 1945. 20 So85
- Planning and organization of hay production on the Kastekskii state farm in the Alma-Ata region.
- 11717 JOHNSON, W. W. Significant changes in tame hay production. Natl. Hay Press 29(3): 9-11. Dec. 16, 1945. 286.81 N21
- Increase in nutritive value.
- 11718 KATZ, C. El ensilaje. Sementera (ser. 2), No. 3, p. 15-18. Sept. 1945. 9.5 Se5
- 11719 LIVSEY, B. Factors which build good live-stock grazing ranges. Utah Farmer 65(9): 6. Dec. 15, 1945. 6 D45
- 11720 MACEWAN, J. W. G. Establishing of feed reserves. Agr. Inst. Rev. 1: 132-133. Dec. 1945. 7 Ag8
- Conservation of feed in Canada through methods for feeding.
- 11721 MAKAROVA, M. Silosnaia zakvaska [A ferment for silage]. Kolkhoz. Proizvod. 5(6): 24-25. June 1945. 281.8 K83
- 11722 MASSAUX, R. Alimentación racional o equilibrada de los animales domésticos. IV. Aprovechamiento del maíz y los sorgos como forraje. Buenos Aires y La Pampa, No. 82, p. 3-4. Oct. 1945. 9 B868
- 11723 MORRISON, F. B. Protein and protein substitutes. (Abs.) Feedstuffs 17(52): 22-24. Dec. 29, 1945. 286.81 F322
- 11724 ROESLER, E. Midwest feed men hold second annual meeting at Kansas City, Jan. 10-11. Feed Bag 22(1): 69-70, 99-100. Jan. 1946. 389.78 F32
- Midwest Feed Manufacturers' Association.
- 11725 ROTTENSTEN, K. Husdyrbrugets proteinfor-syning. Tidsskr. for Landøkonomi, No. 2, p. 77-83. Feb. 1945. 11 T43
- Evaluation of protein in feed.
- 11726 SACKVILLE, J. P. Answers to some winter feeding problems. Farm and Ranch Rev. 42(1): 10. Jan. 1946. 7 F223
- 11727 SHEPHERD, J. B. Potato-hay silage for dairy cows. New England Homestead 118(23): 2. Dec. 8, 1945. 6 N442
- 11728 STEENSBERG, V. Ensilerings status 1945. Tidsskr. for Landøkonomi, No. 9, p. 385-395. Sept. 1945. 11 T43
- Situation in 1945 concerning silage in Denmark.
- 11729 ULVESLI, O., and NORDBØ, R. Røssyltens sammensetning og fôrverdi. Tidsskr. for det Norske Landbr. 52: 156-171. Sept./Oct. 1945. 11 T433
- The composition and feed value of Scotch heather (Calluna vulgaris) for livestock in Norway.
- 11730 VOITKO, D. Nekotorye voprosy organizatsii kormovoi bazy v sovkhodzakh nachernozemnoi polosy. Sovkhoz. Proizvod. 5(7): 14-15. July 1945. 20 So85
- Planning the production of feed supply on state farms in the non-black soil area in the U. S. S. R.
- 11731 WILSON, J. A. Place of fodder from trees and shrubs in the agricultural and forestry economy of Madras. Indian Forester 70: 416-417. Dec. 1944. 99.8 In2
- The use of leaves and pods as feed.
- 11732 WISCHHUSEN, J. F. Manganese content of feeds is important for growth and reproduction. Feed Bag 21(12): 71-72. Dec. 1945. 389.78 F32

## VETERINARY MEDICINE

- 11733 ADUTSKEVICH, V. A., and ZAITSEVA, A. G. Ob otravlenii domashnikh zhivotnykh i ptits zheltyim fosforom i ego proizvodnym [Concerning the poisoning of domestic animals and poultry by yellow phosphorus and its derivatives]. Veterinarifa 21(8/9): 40-43. Aug./Sept. 1944. 41.8 V6426
- 11734 ANASTASIA, P. La gestion de los tecnicos. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 463. Dec. 13, 1945. 9.9 G15B
- The place of the veterinarian.
- 11735 ARMINSKI, E. Zagadnienie pomocniczych sił weterynaryjnych w Polsce (Le problèmes d'aides vétérinaires en Pologne). Med. Wet. 1: 127-128. Sept. 1945. 41.8 M463
- 11736 AUSTRALIAN VETERINARY ASSOCIATION. Twenty-second annual general meeting, May 1945. Austral. Vet. J. 21: 100-115. Aug. 1945. 41.8 Au72



- 11737 BARSKI, J. Penicillins (Le penicilline). Med. Wet. 1: 118-119. Sept. 1945. 41.8 M463
- 11738 BLAGOV, P. M. Protivoëpizooticheskaia rabota v Kirgizii [Control of epizootics in the Kirgiz Republic]. Veterinariia 21(5/6): 7-9. May/June 1944. 41.8 V6426
- 11739 BORISOVICH, F. K. Infektsionnye i invazionnye bolezni kozhi zhivotnykh [Infectious and spreading skin diseases in domestic animals]. Veterinariia 22(7): 16-19. July 1945. 41.8 V6426
- 11740 BRESSON, C. Vascularisation et morphogenèse du foie. Acad. Vét. de France. B. 17: 320-323. Nov. 1944. 41.9 R24
- 11741 BUENO, P. Raquitismo e osteomalácia nos animais. Biológico 11: 245-249. Sept. 1945. 442.8 B529
- 11742 BUZENAC, M. Constitution des corpuscules hématiques. Acad. Vét. de France. B. 17: 306-311. Oct. 1944. 41.9 R24
- 11743 CARNEY, J. J. Veterinary work in Shanghai, China. Canad. J. Compar. Med. 9: 338-341. Dec. 1945. 41.8 C162
- 11744 DESCHIEUX, R. Les propriétés parasitocides des dérivés triphénylméthaniques dans les helminthiases des animaux domestiques. Acad. Vét. de France. B. 17: 111-116. Apr. 1944. 41.9 R24
- 11745 DIKMANS, G. Check list of the internal and external animal parasites of domestic animals in North America (United States and Possessions, and Canada). Amer. J. Vet. Res. 6: 211-241. Oct. 1945. Ref. 41.8 Am3A
- 11746 DOMANSKI, E. Akcja samokształcenia lekarzy i absolwentów med. wet. w oflagu II C, Woldenberg (L'action autodidactique des médecins vétérinaires dans le camp II C Woldenberg). Med. Wet. 1: 77-78. July/Aug. 1945. 41.8 M463
- 11747 DOMANSKI, E. Aktualne zagadnienia epizootologiczne w Polsce (Problèmes actuels epizootiques en Pologne). Med. Wet. 1: 71-73. July/Aug. 1945. 41.8 M463
- 11748 DOMANSKI, E. Wpływ dziedziczności, żywienia i utrzymania na odporność zwierząt domowych (De l'influence de l'hérédité de la nutrition sur l'immunité des animaux domestiques). Med. Wet. 1: 91-97, 136-139. July/Aug., Sept. 1945. 41.8 M463
- 11749 FERRER, V. L., and CASTILLO, DEL. Verminosis pulmonar (bronchitis y bronconeumonía verminosa). Agr. Mex. 61(11): 18-22. Nov./Dec. 1945. 8 Ag8
- 11750 FILENSKI, L. A. Indicaciones utiles que suministra la autopsia de animales muertos en el campo. Agr. y Ganad. 20(12): 8-14. Oct. 31, 1945. 8 Ag834
- 11751 FRAUCHIGER, E. Phasenmikroskop-untersuchungen am plexus chorioideus. Schweiz. Arch. f. Tierheilk. 87: 496-498. Nov. 1945. 41.8 Sch9
- 11752 GARCÍA, H. Consejos generales para los ganaderos. Soc. Antioqueña de Agr. B. Agr., No. 311/312, p. 2539-2540. June/July 1945. 9.4 Sol
- Chiefly about diseases.
- 11753 GOLIKOV, N. M. Dezinfektsiia i fizicheskie faktory pri koktsidiozakh sel'skokhoziaistvennykh zhivotnykh [Disinfection and physical factors in coccidiosis of domestic animals]. Veterinariia 21(8/9): 37-39. Aug./Sept. 1944. 41.8 V6426
- 11754 GORDON, H. M. Phenothiazine as an anthelmintic. Austral. Vet. J. 21: 90-95. Aug. 1945. 41.8 Au72
- 11755 GUILHON, J., THIÉRY, J. P., and MARTY, J. P. Pénicilline et vibron septique. Acad. Vét. de France. B. 18: 172-175. June 1945. 41.9 R24
- Discussion by Forgeot, p. 175.
- 11756 GUSYININ, I. A. Profilaktika pastbishchennykh otravlenii sel'skokhoziaistvennykh zhivotnykh [Prevention of pasture poisoning of livestock]. Veterinariia 21(5/6): 38-41. May/June 1944. 41.8 V6426
- 11757 HARISPE, C. M. Profilaxis de la tuberculosis. Cir. Méd. Vet. de la Prov. de Buenos Aires. Rev. 8, 1. e. 9: 174-178, 180-195. July/Aug. 1945. 41.9 C49
- 11758 HARWOOD, P. D. Research on phenothiazine as an anthelmintic. Sci. Monthly 62: 32-42. Jan. 1946. 470 Sci23
- 11759 HATCH, R. D., and MASSEY, A. B. Plant poisoning of livestock. Vet. Student 8: 82-84. Fall 1945. 41.8 V6425
- 11760 HOERLEIN, A. B. Studies on animal dermatomycoses, I. Clinical studies. II. Cultural studies. Cornell Vet. 35: 287-307. Oct. 1945. 41.8 C81
- Condensed from thesis (Ph. D.) - Cornell University.
- 11761 INSTITUTE OF MEDICAL AND VETERINARY SCIENCE COUNCIL. Annual report, 7th, 1944/1945, 15 p. Adelaide, So. Austral., 1945. 448.9 In76
- 11762 IUSKOVETS, M. K. Sanatsiia zhivotnovodcheskogo khoziaistva ot brufsellëza. Veterinariia 21(8/9): 34-37. Aug./Sept. 1944. 41.8 V6426
- Control of brucellosis in the U. S. S. R.
- 11763 JAKUBOWSKI, S. Rola lekarza weterynaryjnego na odrodzonych ziemiach pomorskich (Le rôle du médecin vétérinaire sur les terrains reconquis de la Poméranie). Med. Wet. 1: 78-80. July/Aug. 1945. 41.8 M463
- 11764 JAKUBOWSKI, S. Z zycia lekarzy weterynaryjnych na Pomorzu (Sur l'existence des médecins vétérinaires en Poméranie). Med. Wet. 1: 80-81. July/Aug. 1945. 41.8 M463
- 11765 JANISZEWSKI, J. Przypadek cięcia cesarskiego (Un cas de section césarienne). Med. Wet. 1: 75-76. July/Aug. 1945. 41.8 M463
- 11766 KOMAROV, N. M. Apparaty dlia vlashnoi dezinfektsii [Apparatus for wet disinfection]. Veterinariia 22(7): 35-38. July 1945. 41.8 V6426
- 11767 KOVALENKO, I. A. B. Za vysokoe kachestvo veterinykh preparatov [For a high quality of preparations in veterinary medicine]. Veterinariia 22(2/3): 3-4. Feb./Mar. 1945. 41.8 V6426
- 11768 LAKTIONOV, A. M. Za uluchshenie veterinykh raboty. Veterinariia 21(8/9): 1-3. Aug./Sept. 1944. 41.8 V6426
- Prevention and treatment of livestock diseases in the U. S. S. R.
- 11769 LECLAIRCHE, E. Vétérinaire. - L'origine et l'histoire d'un mot. Acad. Vét. de France. B. 17: 194-201. July 1944. 41.9 R24
- 11770 LESBOUYRIES, G. Hermaphrodisme glandulaire: ovotestis. Acad. Vét. de France. B. 17: 289-301. Oct. 1944. 41.9 R24
- 11771 LESBOUYRIES, G. Nymphomanie et virilisme. Acad. Vét. de France. B. 17: 324-331. Nov. 1944. 41.9 R24
- 11772 LOVELL, R. Corynebacterium pyogenes infections of domestic animals. Vet. Rec. 57: 685-684. Dec. 29, 1945. 41.8 V641
- Discussion, p. 684-685.
- 11773 MARCENAC. La cinématographie dans l'enseignement de la technique chirurgicale. Présentation d'un film sur les sutures. Acad. Vét. de France. B. 17: 353-355. Dec. 1944. 41.9 R24
- 11774 MEDVEDEV, I. D. O novykh biologicheskikh i rastitel'nykh antiseptikakh. Veterinariia 21(7): 21-23. July 1944. 41.8 V6426
- Concerning new biological and plant substances for use as antiseptics.
- 11775 MEDVEDEV, I. D. O ratsional'nom primeneni antisepticheskikh veshchestv pri lechenii infektirovannykh ran [Concerning a rational utilization of antiseptic substances in the treatment of infected wounds]. Veterinariia 22(2/3): 27-30. Feb./Mar. 1945. 41.8 V6426
- 11776 MERIEUX, C. Sur l'utilisation après guerre des centres créés dans certains abattoirs pour la préparation du sérum de convalescents. Acad. Vét. de France. B. 17: 332. Nov. 1944. 41.9 R24
- For use in veterinary medicine.



- 11777 MERILLAT, L. A. The veterinarian of World War II. *Vet. Med.* 41: 33-36. Jan. 1946. 41.8 M69
- 11778 MILLER, J. L. Research in the field of animal disease control. *Agr. Inst. Rev.* 1: 124-127. Dec. 1945. 7 Ag8
- 11779 MONTEFIORE, A. A student's reflections on present-day veterinary education. *Vet. Rec.* 46: 511-513. Nov. 17, 1945. 41.8 V641
- 11780 NICOLAS, E. Spécificité et aspécificité des précipitines. Méthode de saturation. *Acad. Vet. de France. B.* 17: 77-78. Mar. 1944. 41.9 R24
- 11781 NOVAK, E. E. A few facts about Bang's disease. *Tex. Livestock J.* 4(12): 7. Dec. 15, 1945. 49 T29
- 11782 OLIVKOV, B. M. Autogemoterapija i ee primeneniye v khirurgicheskoy praktike [Autohemotherapy and its use in surgical practice]. *Veterinariya* 22 (2/3): 23-26. Feb./Mar. 1945. 41.8 V6426
- 11783 OSETRIN, A. L. Prostoý peregonnyý kub dlya polucheniya distillirovannoy vody [Simple apparatus for getting distilled water]. *Veterinariya* 22(7): 33. July 1945. 41.8 V6426
- 11784 PARNAS, J. Streszczenie prac naukowych nie ogłoszonych na skutek wojny. (Comptes rendus des travaux non publiés durant la guerre.) *Med. Wet.* 1: 65-67. July/Aug. 1945. 41.8 M463
- M. Sotys, M. Skuzanski, M. Polut, M. Roman, and M. Polutnianska, joint authors for some of the contributions.
- Concerning various livestock diseases in Poland.
- 11785 POLIAKOV, A. A., and NIFANTOV, A. P. Bakteritsidnoe deystvie zoly travianistyykh rasteniy, obrabotannoy gashenoý izvest'yu [Bactericidal effect of plant ashes treated with slaked lime]. *Veterinariya* 21(7): 34-36. July 1944. 41.8 V6426
- 11786 RAMON, G., LEMETAYER, E., and RICHOU, R. De la séro-antioxi-thérapie antitétanique en général et de son emploi dans le traitement du tétanos déclaré, en médecine vétérinaire en particulier. Bases. Résultats - Précisions d'ordre pratique. *Acad. Vet. de France. B.* 17: 132-138. May 1944. 41.9 R24
- 11787 RAMON, G., and RICHOU, R. Des propriétés antagonistes des filtrats de culture du *Bacillus subtilis* à l'égard de certaines bactéries et des toxines microbiennes. *Acad. Vet. de France. B.* 18: 164-171. June 1945. 41.9 R24
- 11788 RANTA, L. E. The crossroads of veterinary and human medicine. *Canad. J. Compar. Med.* 9: 321-325. Dec. 1945. 41.8 C162
- 11789 RENSHAW, B. More facts on brucellosis, "the great masquerader." *Prairie Farmer, Ind. Ed.* 118(2): 14. Jan. 19, 1946. 6 P883C
- 11790 RICE, V. A. Hormones and harmony. *South. Stockman* 6(1): 25, 28, 34, 38, 45. Jan. 1946. 49 So83
- Also in *Ayrshire Digest* 32(1): 6-8, 50-51. Jan. 1946. 43.8 Ay7
- Sex hormones.
- 11791 RICHOU, R., and HOLSTEIN, G. L'anatoxi-thérapie staphylococcique en médecine vétérinaire. - Résultats d'ensemble. *Acad. Vet. de France. B.* 17: 356-368. Dec. 1944. 41.9 R24
- 11792 SAVCHENKOV, A. I. Pedal'nyy umyval'nik. *Veterinariya* 22(7): 34. July 1945. 41.8 V6426
- Description of an apparatus for washing hands before surgical operations.
- 11793 SAVEL'EV, G. S. Likvidatsiya brutsel'lyza v krupnom khozyaystve [Elimination of brucellosis on large farms]. *Veterinariya* 21(5/6): 14-19. May/June 1944. 41.8 V6426
- In the U. S. S. R.
- 11794 SCHRECK, H. Reflections on the planning of small animal hospitals. *Vet. Med.* 41: 1-15. Jan. 1946. 41.8 M69
- 11795 SENZE, A. Sposoby otwierania szyjki macicznej i ich zastosowanie w medycynie wet. (Le moyens de l'ouverture du col utérin et leur application en médecine vétérinaire). *Med. Wet.* 1: 125-126. Sept. 1945. 41.8 M463
- 11796 SMITH, C. A. Menace of stock diseases from national game parks. *Farmer [Pietermaritzburg]* 34(46): 8. Nov. 16, 1945. 24 F227
- 11797 STASKIEWICZ, G. Badanie szczurów na obecność włosni mięśniowych, a współczesny stan badań nad włosniami (Examens de rats sur la présence de trichines musculaires, et l'état actuel de notions sur les trichines). *Med. Wet.* 1: 103-108. Sept. 1945. 41.8 M463
- French summary.
- 11798 STERNE, M. A note on the efficacy of commercial anti-anthrax bacterins. *So. African Vet. Med. Assoc. J.* 16: 82-83. Sept. 1945. 41.8 So8
- 11799 STEYN, D. G. Modern therapeutics: a review of the use of sulphonamides and of penicillin and other antibiotics from bacteria and moulds as therapeutic agents. *So. African Vet. Med. Assoc. J.* 16: 70-81. Sept. 1945. 41.8 So8
- 11800 SZWABOWICZ, A. M. Instytut Weterynaryjny Uniwersytetu Wrocławskiego (L'Institut Vétérinaire de l'Université de Wrocław). *Med. Wet.* 1: 129-130. Sept. 1945. 41.8 M463
- 11801 SZYMANOWSKI, Z. Uwagi ogólne o odczynach serologicznych (Considérations générales sur les réactions sérologiques). *Med. Wet.* 1: 70-71. July/Aug. 1945. 41.8 M463
- 11802 SZYMANOWSKI, Z. W sprawie wiceministra do spraw weterynaryjnych (Sur la nécessité de la nomination d'un viceministre des affaires vétérinaires). *Med. Wet.* 1: 81. July/Aug. 1945. 41.8 M463
- In Poland.
- 11803 THIES, W. M. Store building converted to veterinary hospital. *Vet. Med.* 41: 15. Jan. 1946. 41.8 M69
- 11804 THOMPSON, S. Asco[r]bic acid therapy. *Vet. Student* 8: 91-94. Fall 1945. Ref. 41.2 V6425
- 11805 TROJAN, S. Z życia lekarzy weterynaryjnych województwa warszawskiego (De l'existence des médecins vétérinaires du gouvernement de Varsovie). *Med. Wet.* 1: 131-132. Sept. 1945. 41.8 M463
- 11806 VAINER, M. V Voennno-Veterinarnoy Akademii Krasnoy Armii. *Veterinariya* 22(7): 43-44. July 1945. 41.8 V6426
- Reports on veterinary medicine at a conference of the Military Veterinary Academy of the Red Army.
- 11807 VETERINARY RECORD. The Royal College of Veterinary Surgeons, 1844-1944; centenary commemoration number, v. 51, No. 57, p. 599-682. Dec. 22, 1945. 41.8 V641
- Also describes other veterinary colleges and veterinary medicine in the British Empire.
- 11808 ZAFANCHKOVSKIY, I. Shirokoe primeneniye khloristogo bariya [Extensive use of barium sulfate]. *Veterinariya* 22(7): 41. July 1945. 41.8 V6426

## MISCELLANEOUS

- 11809 BOYD, J. L. Trick sets lure coyotes. *Farmer-Stockman* 59: 50. Jan. 1946. 6 Ok45
- 11810 BUTOV, T. M. Bor'ba za vosstanovlenie zhivotnovodstva [Struggle for restoration of animal industry]. *Veterinariya* 21(8/9): 5. Aug./Sept. 1944. 41.8 V6426
- In the U. S. S. R.
- 11811 CASE, J. F. Red fox, friend or foe? *Mo. Ruralist* 86(24): 15. Dec. 22, 1945. 6 R8891
- 11812 DISHAW, O. W. Livestock production among juniors [4-H Club members]. *Ariz. Stockman* 11(12): 7-9. Jan. 1946. 49 Ar4
- 11813 MONTANA LIVESTOCK SANITARY BOARD. Report, 1944/1945, v. 2, No. 2, 19 p., processed. Helena, 1945. 41.9 M761
- Includes diseases reported.



11814 RECORD STOCKMAN. 1946 annual edition; magazine section. Rec. Stockman, v. 56, No. 52, 1946 Ann. Ed., 240 p. Dec. 27, 1945. 49 p43

Partial contents: Colorado ram sale proposed to improve lambs and wool, by A. C. Allen, p. 63-64; Forty years of fascinating experiences; past, present and future of [livestock] auction profession, by A. W. Thompson, p. 66-67; Livestock marketing trends; price-fixing points fill definite need in the industry, by L. M. Pexton, p. 82-83; The empty saddle symbol; maybe it's an omen or a warning of future trends [on marketing cattle], by H. J. Gramlich, p. 88-89; Ranchers can reduce accidents, by M. H. Coe, p. 90; High living standards thru cooperation; industry, labor and agriculture must pull together for success, by H. C. Filley, p. 92-94, 96; Frozen meats coming? by E. W. Williams, p. 98; Saving soil in the Southwest, by L. D. Love, p. 108-111; The westbound meat case; lower freight rates mean expansion of livestock industry, by W. C. Crew, p. 116, 118-120, 122; Angus record major gains in western area, by W. H. Tomhave, p. 145-146; Rail service in the "Garden of Eden"; narrow gauge lines help ranchers solve transportation problems, by Q. A. Kellogg, p. 162-164; What's ahead for America's meat? by R. C. Pollock, p. 169, 171-172; Hog of the future; market demands influence changes [in type], by E. H. Smith, p. 177, 179; Steer of the future, by W. L. Blizzard, p. 181-182, 184; Lamb of the future, by W. D. Ferr, p. 185; Some sheep questions [about breeds], by A. C. Esolin, p. 187, 189, 191; Western climate favors hog growers; advantages of raising swine in mountain area, by P. F. Artese, p. 193-194, 196; Veterinary science wages relentless war on infectious animal diseases, by J. Jacks, p. 198-200; Breeders organize [associations] to aid industry, by M. E. McDonald, p. 204-205; Better farm equipment for the future, by G. F. Massey, p. 209, 211-212, 214.

11815 RICE, V. A. Evaluating the animal husbandry student. J. Anim. Sci. 4: 453-462. Nov. 1945. 49 J82

11816 RICHARDS, K. L. Livestock improvement in Worcestershire. Worcestershire Agr. Chron. 13: 101, 103, 105. May 1945. 10 W892

11817 SINGLETON, R. E. The Missouri livestock improvement program. Nebr. State Bd. Agr. Ann. Rpt. 1945: 464-467. 2 N27R

Concerning shows and sales.

11818 SMITH, H. E. For ultimate success keen ability to judge is top factor in live stock business. West. Live Stock 31(6): 6, 10. Jan. 1946. 49 W523

11819 STANLEY, E. B. Animal husbandry at the University of Arizona. Ariz. Stockman 11(12): 10-11. Jan. 1946. 49 Ar4

11820 STEFANSSON, V. Farming without barns. Harper's Mag. 192(1148): 52-56. Jan. 1946. 110 H

Concerning domestication of animals suitable for New England, with special reference to the Ovibos.

11821 VSIÁKIKH, A. S. Itogi nauchno-issledovatel'skoi raboty instituta. Kirgizskii Nauch.-Issled. Inst. Zhivotn. Nauch. Otchët o Rabote 1941/1942: 5-28. 1944. 49.9 K63N

Results of research carried on at the Kirghiz Scientific Research Institute of Animal Industry (Kirgizskii Nauchno-Issledovatel'skii Institut Zhivotnovodstva).

## CATTLE

### Breeds and Breeding

11822 A., D. A. Should Hereford cows be cross-bred? Canad. Hereford Digest 3(4): 30. Dec. 1945. 45.8 C164

11823 ANDERSON, E. H. Daddies on San Cristobal Ranch. Aberdeen-Angus J. 27(6): 44, 131, 134. Jan. 1946. 43.8 Ab3

11824 ARELLANO BONILLA, R. Mestizaje y cruzamiento del ganado. Honduras Agr. 1(12/13): 4. Sept./Oct. 1945. 8 H753

11825 ASHTON, J. Anxiety 4th, Hereford sire par excellence. Cattleman 32(8): 26-27. Jan. 1946. 49 C29

11826 ASHTON, J. Beau Donald; his blood breeds on. Amer. Hereford J. 36(16): 36-37, 56-57. Dec. 15, 1945. 43.8 Am32

11827 ASHTON, J. Prince Domino; benefactor of the Hereford breed. Amer. Hereford J. 36(17): 85-86, 88, 90, 92. Jan. 1, 1946. 43.8 Am32

11828 ASHTON, J. The saga of Mischief Mixer, great [Hereford] sire that made history. West. Live Stock 31(5): 36-37, 73, 76-77. Dec. 1945. 49 W523

11829 BAILEY, G. K. Purchasing seed stock and the importance of breeding [beef cattle]. Aberdeen-Angus J. 27(5): 33, 95. Dec. 1945. 43.8 Ab3

11830 BAKER, A. Crossbreeding [of beef cattle] means growth. West. Livestock J. 24(6): 46-47. Dec. 15, 1945. 6 F2278

11831 BARTLETT, J. W. Inbreeding with selection can be successful. Hoard's Dairyman 91: 8, 27. Jan. 10, 1946. 44.8 H65

11832 BARTON, W. M. C. V. Whitney, his farms, his herd. Aberdeen-Angus J. 27(6): 58, 114-115. Jan. 1946. 43.8 Ab3

11833 BATTLES, O. V. The meaning of Aberdeen-Angus family names. West. Livestock J. 24(6): 68-69. Dec. 15, 1945. 6 F2278

11834 BECKLERY, S. J. Building a famous herd; an imported Shorthorn bull plus intelligent line breeding has brought the Guelph herd to the top. Family Herald and Weekly Star 76(52): 5, 11. Dec. 26, 1945. 7 F21

Ontario Agricultural College herd.

11835 BESKHELEBNOV, A. B. Nekotoryi opyt bor'by s falovost'iu korov [Certain experiment for the control of sterility in cows]. Veterinariia 21(8/9): 31-34. Aug./Sept. 1944. 41.8 V6426

11836 BLIZZARD, W. L. Hereford Heaven [in Oklahoma] a modern development of natural resources. Ranchman 5(9): 4, 6. Jan. 1946. 49 R15

11837 BRANAMAN, G. A. What American colleges are doing to better the Blacks. Aberdeen-Angus J. 27(5): 44, 86. Dec. 1945. 43.8 Ab3

At Michigan Agricultural College.

11838 BREE, R. Difficulties on Jersey Island. Jersey B. 65: 82-83. (To be cont.) Jan. 25, 1946. 43.8 J48

11839 C., C. T. Breed type--is it saint or sinner? Ayrshire Digest 31(12): 9-10, 42, 80, 119, 148, 150-152, 156. Dec. 1945. 43.8 Ay7

Judging of dairy cattle.

11840 CRISSEY, A. N. Problems in herd building. Holstein-Friesian World 43: 114-115. Jan. 19, 1946. 43.8 H742

11841 DALLING, T. Infertility in cattle. Farmers' Club, London J., pt. 6, p. 74-88. 1945. 10 L84

11842 DARLOW, A. E. Herefords on parade in their native land [Great Britain]. Amer. Hereford J. 36(17): 138, 140. Jan. 1, 1946. 43.8 Am32

11843 DICKEY, H. C., and LABARTHE, P. Predicting the transmitting ability of young dairy sires for milk production, butterfat test, and butterfat production. J. Dairy Sci. 28: 893-900. Dec. 1945. 44.8 J822

11844 DONALD, H. P. The growth and distribution of the pedigree Red Poll cattle population in England. Empire J. Expt. Agr. 13: 169-183. Oct. 1945. Ref. 10 Em7

11845 E., G. Gott resultat av "seminörernas" arbete i Danmark. Jordbrukarnas Föreningsblad. Uppl. A; Östra Mellansverige och Gästrikland 15(45): 9b. Nov. 10, 1945. 11 J762

Good results with artificial insemination of cattle in Denmark.

11846 ENGELER. La cría de la raza parda en Suiza durante la segunda guerra mundial. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(50): 39-44. Oct. 1945. 8 R3291

- 11847 ENSMINGER, M. E. Pure breeds control destiny of the entire cattle industry. *Aberdeen-Angus J.* 27(6): 47, 134. Jan. 1946. 43.8 Ab3
- 11848 FORBES, R. C. The Hereford in the U. S. A. *Breeder's Gaz.* 111(1): 8, 22. Jan. 1946. 49 B74
- 11849 FORBES, R. C. The ultimate type in Polled Shorthorns. *Shorthorn World* 30(19): 29-30. Jan. 10, 1946. 43.8 Sh8
- 11850 FRANCIS, F. C. What American colleges are doing to better the Blacks; University of Illinois. *Aberdeen-Angus J.* 27(6): 52, 130-131. Jan. 1946. 43.8 Ab3
- 11851 FURST, M. M. Wintering the Blacks. *Aberdeen-Angus J.* 27(5): 29, 85. Dec. 1945. 43.8 Ab3
- 11852 GLADFELTER, C. S. Let's face the facts! *Aberdeen-Angus J.* 27(5): 37. Dec. 1945. 43.8 Ab3
- Most profitable beef cattle to breed.
- 11853 GORDIENKO, M. Gerefordskiy skot v sovkhokh Kazakstana. *Sovkhoz. Proizvod.* 5(7): 31-35. July 1945. 20 So85
- Cross-breeding of beef and dairy cattle with imported Herefords on the state farms of Kazakhstan.
- 11854 GORDON, E. Develop a sound breeding program. *Calif. Dairyman* 25(23): 36. Dec. 22, 1945. 44.8 C12
- 11855 GREGG, G. E. Artificial insemination in Worcestershire. *Worcestershire Agr. Chron.* 13: 111, 113, 115. May 1945. 10 W892
- Cattle.
- 11856 GREGORY, P. W., REGAN, W. M., and MEAD, S. W. Evidence of genes for female sterility in dairy cows. *Genetics* 30: 506-517. Nov. 1945. 44.8 G28
- 11857 HERBERT, H. The Polled Hereford. *Plantation Stockman* 3(5): 18-19, 50, 52, 54. Jan. 1946. 49 P69
- 11858 HIGLEY, P. I. What artificial breeding can and cannot do for the farmer. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 289-298. 2 N27R
- Dairy cattle.
- 11859 HINDMARSH, W. L., and PARKAS, R. Artificial insemination of cows. *Austral. Vet. J.* 21: 95-99. Aug. 1945. 41.8 Au72
- 11860 HOLBERT, J. C. Selecting bulls for the West. *Aberdeen-Angus J.* 27(5): 32. Dec. 1945. 43.8 Ab3
- 11861 HUNT, H. Friendly Brahms in Palo Verde Valley. *West. Livestock J.* 24(6): 52-53. Dec. 15, 1945. 6 F2278
- 11862 KINGHORN, G. Artificial insemination - many pros - some cons. *West. Dairy J.* 2(3): 18, 46, 48. Jan. 1946. 44.8 W524
- 11863 KLIAGIN, S. Kostromskaya paroda krupnogo rogatogo skota [Kostroma breed of large horned cattle]. *Sotsialist. Sel'sk. Khoz.* 16(7/8): 59-66. July/Aug. 1945. 281.8 So73
- 11864 LEE, H. P. Breeding aims [for beef cattle]. *Ranchman* 5(9): 25-26. Jan. 1946. 49 R15
- 11865 LLOYD, E. W. Our premier breed of cattle. *Field* 186: 349. Oct. 6, 1945. 10 F45
- The Shorthorn in Great Britain.
- 11866 MILLER, K. Rock County Holsteins. *Holstein-Friesian World* 42: 2132-2133. 2178-2179. Dec. 15, 1945. 43.8 H742
- 11867 MISSOURI wins oldest cow contest. By Angus MacAberdeen. *Aberdeen-Angus J.* 27(5): 36, 92-95. Dec. 1945. 43.8 Ab3
- 11868 MORRISON, S. R. Herefords--Polled and horned. *Plantation Stockman* 3(4): 6, 16. Dec. 1945. 49 P69
- 11869 MORRISON, S. R. Straws in the wind. *Plantation Stockman* 3(5): 15, 46, 48, 50. Jan. 1946. 49 P69
- Chiefly concerning the Polled Hereford.
- 11870 NICKLY, G. Proof piled on proof of Hereford adaptability. *Amer. Hereford J.* 36(17): 144, 156. Jan. 1, 1946. 43.8 Am32
- With reference to West Virginia.
- 11871 NISBET, J. C. The question of transfer recording. *Jersey B.* 64: 1760, 1788, 1790, 1792. Dec. 5, 1945. 43.8 J48
- Rules of the American Jersey Cattle Club for recording change of ownership.
- 11872 NORTON, E. W. What the purebred means to the dairy industry. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 281-286. 2 N27R
- 11873 O'LOUGHLIN, F. Production policy at Bonzongo [Ranch]; Aberdeen-Angus cattle and Romney-Merino ewes. *Country Life [Sydney]* 57(20): 4. Nov. 16, 1945. 286.85 Sy2
- 11874 PRESCOTT, M. S. Lyons Ormsby Prince 724363, 51st gold medal sire. *Holstein-Friesian World* 43: 23. Jan. 5, 1946. 43.8 H742
- 11875 PRESCOTT, W. A. Governor of Carnation (1930-1945). *Holstein-Friesian World* 43: 107-111, 122. Jan. 19, 1946. 43.8 H742
- 11876 RICHARDS, K. L. Herd improvement. *Worcestershire Agr. Chron.* 13: 107, 109, 111. May 1945. 10 W892
- Breeding of dairy cattle.
- 11877 RICHMOND, A. The history of the Shorthorn. *Ariz. Stockman* 11(11): 44. Dec. 1945. 49 Ar4
- 11878 RUZHEVSKIY, A. Seleksiionnaya rabota v plemennom sovkhose "Omskiy." *Sovkhoz. Proizvod.* 5(6): 23-28. June 1945. 20 So85
- Breeding of dairy cattle in the sovkhos "Omskiy."
- 11879 SANDERS, A. H. The Hereford in America. *Amer. Hereford J.* 36(17): 96, 98. (Concl.) Jan. 1, 1946. 43.8 Am32
- 11880 SEATH, D. M. Fresh cows are refreshing to herd owners. *Prog. Farmer, Miss.-Ark.-La. Ed.* 61(1): 20. Jan. 1946. 6 So81
- Chiefly on fertility.
- 11881 SHUFORD, E. L. Artificial breeding of dairy cattle as a practical procedure for the general practitioner. *North Amer. Vet.* 27: 17-21. Jan. 1946. 41.8 N812
- 11882 SIMS, J. A. Sybil's Gamboge; the Jersey bull that got a chance. *Jersey B.* 64: 1764-1765, 1796-1797. Dec. 5, 1945. 43.8 J48
- 11883 VSIÁKIKH, A. S. Auliéatinskiy skot i puti ego uluchsheniya [Auliéatinsk cattle and methods of improving them]. *Kirgizskiy Nauch.-Issled. Inst. Zhivotn. Nauch. Otchët o Rabote* 1941/1942: 109-124. 1944. 49.9 K63N
- 11884 VSIÁKIKH, A. S. Organizatsiya selektsionno-plemennoy raboty so shvitskim skotom v plemkhose "Alamedin" [Organization of pedigree breeding work with Brown Swiss cattle on the breeding farm "Alamedin"]. *Kirgizskiy Nauch.-Issled. Inst. Zhivotn. Nauch. Otchët o Rabote* 1941/1942: 74-109. 1944. 49.9 K63N

#### Feeds and Feeding

- 11885 BOHSTEDT, G. New developments in dairy cattle nutrition of interest to feed men. *Feed Bag* 22(1): 39-40, 92. Jan. 1946. 389.78 F32
- 11886 BRANT, D. Dairyman look to the sea. *Calif. Dairyman* 25(23): 21, 44. Dec. 22, 1945. 44.8 C12
- Fish as feed.
- 11887 BURROUGHS, W., and others. The nutritive value of corn cobs in beef cattle rations. *J. Anim. Sci.* 4: 373-386. Nov. 1945. 49 J82
- P. Gerlaugh, A. F. Schalk, E. A. Silver, and L. E. Finkle, joint authors.
- 11888 CARDOSO, F. Assuntos leiteiros: a possível influencia da torta de algodão estragada sobre a produção do leite. *Rev. dos Criadores* 16(10): 14. Oct. 1945. 43.8 R32
- 11889 FOSTER, J. E., RISWELL, H. F., and HOSTETLER, F. H. Comparison of different amounts of protein supplement for wintering beef cows on forest range in the Southeastern Coastal Plain. *J. Anim. Sci.* 4: 387-394. Nov. 1945. 49 J82



11890 GULLICKSON, T. W. Feeding for health and production. Nebr. State Bd. Agr. Ann. Rpt. 1945: 272-281. 2 N27R

#### Dairy cattle.

11891 HART, G. H., GUILBERT, H. R., and WAGNON, F. A. Supplemental feeding [for beef cattle]. West. Livestock J. 24(6): 62, 64. Dec. 15, 1945. 6 F2278

Also in Calif. Cattleman, Dec. 1945, p. 22-23. 43.8 C12

11892 HEADLEY, F. B. Relation of production of dairy cows to the nutrients fed. J. Anim. Sci. 4: 357-372. Nov. 1945. 49 J82

11893 HOBBS, C. S., GALLUP, W. D., and TAYLOR, B. R. The composition and apparent digestibility of bluestem grass in the growing stage, and in the dry and hay stages when supplemented with cottonseed cake. J. Anim. Sci. 4: 395-402. Nov. 1945. 49 J82

#### Beef cattle.

11894 HUFFMAN, C. F. The nutritive value of hay for dairy cattle. Natl. Hay Press 29(4): 18-19. Jan. 16, 1946. 286.81 N21

11895 KIVIMÄE, A. Korras mineraalimieskonsumtion on betet. [Mineral consumption of dairy cows on pasture]. Lantmännens 29: 1029, 1030. Nov. 17, 1945. 11 L234

11896 KLUSSENDORF, R. C. Pointers on reproduction and nutrition affecting dairy cows. (Abs.) Norden News 19(6): 5. Nov./Dec. 1945. 41.8 N75

#### Chiefly on feeding.

11897 KVIKTO, A. Z. Kormlenie metisnogo molodniaka krupnogo rogatogo skota pri maksimal'nom ispol'zovanii sochnykh i grubykh kormov [Feeding of crossbred young of large horned cattle with a maximum utilization of juicy and coarse feeds]. Kirgizskii Nauch.-Issled. Inst. Zhivotn. Nauch. Otchet o Rabote 1941/1942: 56-73. 1944. 49.9 K63N

11898 LAWRIE, J. W. Brewery by-products have great feed values. Popkess' Dairyman's J. 32(9): 7. Dec. 1945. 44.8 D142

11899 LEWIS, J. M., and WILSON, L. T. Vitamin A requirements in calves. J. Nutr. 30: 467-475. Dec. 1945. 389.8 J82

11900 NAGEOTTE, J. C. Give high producing cows ample minerals. Pa. Grange News 42(9): 16. Dec. 1945. 6 P38

11901 NORTON, C. L. The value of the addition of fresh bakers' yeast to a normal ration for lactating dairy cows. J. Dairy Sci. 28: 927-932. Dec. 1945. 44.8 J822

11902 ODYNETS, R. N. Otkorm krupnogo rogatogo skota i ovets na zhome [Fattening of large horned cattle and sheep on sugar beet pulp]. Kirgizskii Nauch.-Issled. Inst. Zhivotn. Nauch. Otchet o Rabote 1941/1942: 29-45. 1944. 49.9 K63N

11903 RICHARDS, K. L. Constitution and the dairy cow. Gt. Brit. Min. Agr. Agriculture 52: 396-398. Dec. 1945. 10 G79J

#### Effect of feeding.

11904 SACKVILLE, J. P. Finishing beef with home-grown feeds. Farm and Ranch Rev. 41(12): 5. Dec. 1945. 7 F223

11905 SANCHO J., F. Principios científicos en la alimentación del ganado de leche. Rev. de Agr. [San José] 17: 546, 548. Nov. 1945. 8 Esl

11906 SANDERSON, C. J. Limiting factors in the feeding and management of dairy cows. Land [Sydney], No. 1770, p. 11, 15. Oct. 26, 1945. 23 L22

11907 SAWYER, R. J. Benefits from creep feeding for both pure bred and commercial [beef] cattle. Aberdeen-Angus J. 27(5): 48, 72. Dec. 1945. 43.8 Ab3

11908 SIMORRA, J. Estudio sobre ceba combinada de ganado vacuno con mazorca de maiz completa y mieles finales en un plan de alimentación mixta. Rev. Genad. [Habana] 5(7/8): 37-40. July/Aug. 1945. 49 R321

11909 SKELLEY, W. C. Getting beef ready for market. N. J. Farm and Gard. 16(12): 14-15. Dec. 1945. 6 G162

#### Feeding practices and methods.

11910 SPRATT, E. Combined sorghums instead of corn. Breeder's Gaz. 111(1): 24-25. Jan. 1946. 49 B74

#### As feed for beef cattle.

11911 SWINGLE, F. B. Mixing farm feeds. Wis. Agr. and Farmer 73(2): 38. Jan. 19, 1946. 6 W751

#### With special reference to dairy cattle.

11912 TURK, K. L. Modern trends with dairy herds...stress on hay. Jersey B. 64: 1761, 1797-1798. Dec. 5, 1945. 43.8 J48

### Veterinary Medicine

11913 ANASTASIA, P. El problema de la aftosa. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 455. Dec. 6, 1945. 9.9 G15B

#### In cattle.

11914 ANIKEEV, M. T. Primenenie formalina pri piroplazmoze krupnogo rogatogo skota [Use of formalin in the treatment of piroplasmosis in large horned cattle]. Veterinariya 22(7): 13-14. July 1945. 41.8 V6426

11915 BARKER, C. A. V., and DUSSAULT, H. P. Observations on the permeability of the lactating bovine mammary gland to penicillin. Canad. J. Compar. Med. 9: 332-335. Dec. 1945. 41.8 C162

#### Results in the treatment of mastitis.

11916 BENDIXEN, H. C. Om smitsom kastning med seerlig henblik paa bekaempelse i større besætninger [On contagious abortion with special reference to control in the larger dairy herds]. Tidsskr. for Landøkonomi, No. 6, p. 244-258. June 1945. 11 T43

11917 BRADT, C. G. Bang's disease is on its way out. Amer. Agr. 142: 540. Dec. 15, 1945. 6 Am3

#### Control program for cattle in New York State.

11918 CAIRY, C. F. The colostrum pregnancy test in cattle. Amer. J. Vet. Res. 6: 252-256. Oct. 1945. 41.8 Am3A

11919 CARR, A. K. Herd improvement through brucellosis control. Calif. Dairyman 25(23): 40-41. Dec. 22, 1945. 44.8 C12

11920 CAVANDOLI, H. E. La actinobacillosis bovina en la inspección de carnes. Gac. Vet. 7: 140-155. May/June 1945. Ref. 41.8 G112

#### The disease in man also described.

11921 CHAMBERS, E. E. Hemorrhagic septicemia strikes hard. South. Stockman 6(1): 76. Jan. 1945. 49 So83

#### In cattle.

11922 CHELLE, P., and LOMBARD, C. Epithelioma mélanique chez les bovidés. Acad. Vét. de France. B. 17: 302-305. Oct. 1944. 41.9 R24

11923 COONEY, R. Prolapse of the uterus [in a cow]. Vet. Student 8: 108. Fall 1945. 41.8 V6425

#### A post-parturient accident.

11924 DEMOTT, A. R., and ROBERTS, S. J. A simple instrument for the relief of dystocia in the bovine due to uterine torsion. Cornell Vet. 35: 333-335. Oct. 1945. 41.8 C81

11925 DRIEUX, H., POISSON, J., and VASSEUR. Lésions cutanées de neurofibromatose chez un bovidé. Acad. Vét. de France. B. 17: 183-188. June 1944. 41.9 R24

11926 DRIEUX, F., and PRIOUZEAU. Les tumeurs du thymus chez les bovidés. Acad. Vét. de France. B. 18: 137-153. May 1945. 41.9 R24

11927 DUBOIS, and TRIAU, R. Kyste péri-intestinal et occlusion chez une génisse. Acad. Vét. de France. B. 18: 68-70. Mar. 1945. 41.9 R24

- 11928 DURAN, J. J. Algunas enfermedades del ganado vacuno. Agr. Mex. 61(11): 23-30. Nov./Dec. 1945. 8 Ag8
- 11929 FED'KO, S. I. Veterinarnāiā rabota v mol-sovkhosakh sistemy NKSKh SSSR [Veterinary work in the dairy state farms of the U. S. S. R. People's Commissariats of State Farms system]. Veterinariia 21 (8/9): 4-5. Aug./Sept. 1944. 41.8 V6426
- 11930 FENSTERMACHER, R., and others. Lead poisoning of cattle. Amer. Vet. Med. Assoc. J. 108: 1-4. Jan. 1946. 41.8 Am3
- R. S. Pomeroy, M. H. Roenke, and W. L. Boyd, joint authors.
- 11931 FINCHER, M. G. Recent developments in the control of mastitis. Milk Plant Monthly 34(12): 40, 82. Dec. 1945. 44.8 C864
- 11932 FISH, L. O. Mastitis and its control. Breeder's Gaz. 111(1): 26-27. Jan. 1946. 49 B74
- 11933 FOURIE, J. M. The excretion of tortoise shells by cattle. So. African Vet. Med. Assoc. J. 16: 84-85. Sept. 1945. 41.8 So8
- Cattle died with symptoms of lamziekte.
- 11934 FUNES, S. Los partos difíciles. Agr. Costarricense 3: 403-411. Oct. 1945. 8 Ag895
- In cattle.
- 11935 GOLIKOV, N. M. Ikterogemoglobinuriia zhvachnykh v Palestine. Veterinariia 21(8/9): 11-12. Aug./Sept. 1944. 41.8 V6426
- Leptospirosis in Palestine cattle.
- 11936 GRZYCKI, S. O resorbcji tłuszczów obojętnych i węglowodorów nasyconych (parafiny) śródskórnio deponowanych. (Znaczenie nadmiernego natłuszczenia skóry na procesy rogowacenia) (Sur la résorption des graisses neutres et de hydrocarbures saturés (paraffines). (Influence d'un graissage excessif de la peau sur les procès de cornification)). Med. Wet. 1: 108-110. Sept. 1945. 41.8 M463
- 11937 HERMANSSON, K. A. "Vasst" som sjukdomsorsak hos nötkreatur. Lantmannen 29: 1119-1121. Dec. 15, 1945. 11 L234
- Injuries to stomach and diaphragm of cattle due to ingestion of foreign objects.
- 11938 HIGBEE, J. M. Bovine practice. Vet. Student 8: 85-87. Fall 1945. 41.8 V6425
- 11939 IUSKOVETS, M. K. Letnee obezzarazhivanie ferm krupnogo rogatogo skota ot tuberkulēza. Veterinariia 21(5/6): 11-13. May/June 1944. 41.8 V6426
- Summer disinfection for tuberculosis on cattle farms in the U. S. S. R.
- 11940 JACKS, J. Current cattle health problems in California. Calif. Cattleman, Dec. 1945, p. 16, 18. 43.8 C12
- 11941 JACQUET, J. Deux cas de consolidation d'une rupture ancienne de l'utérus chez les bovidés. Acad. Vét. de France. B. 17: 103-104. Apr. 1944. 41.9 R24
- 11942 JASPER, D. E., and WEIRSTHER, F. J. Effect of infusion of penicillin in the bovine mammary gland. Vet. Student 8: 73-76. Fall 1945. 41.8 V6425
- 11943 JONES, T. L. Bang's disease control. Canad. Hereford Digest 3(4): 5. Dec. 1945. 43.8 C164
- 11944 KERR, W. R., and LAMONT, H. G. Hoven - an expression of allergy? Vet. Rec. 58: 6-7. Jan. 5, 1946. 41.8 V641
- In cattle.
- 11945 KRASIN, N. I. K épizootologii diktiokaulēza krupnogo rogatogo skota [On the epizootiology of Dictyocaulus in large horned cattle]. Veterinariia 21(8/9): 14-17. Aug./Sept. 1944. 41.8 V6426
- 11946 LANTZ, S. E. Bang's. Aberdeen-Angus J. 27(6): 41, 134-135, 138. Jan. 1946. 43.8 Ab3
- Legislation on calfhood vaccination.
- 11947 LIAPUSTIN, A. K. Massovyī sluchaī travmaticheskogo perikardita u krupnogo rogatogo skota [A case of mass traumatic pericarditis in large horned cattle]. Veterinariia 22(7): 42. July 1945. 41.8 V6426
- 11948 LICHTSTEINER, S. Ein beitrage über osteomalazie, osteoporose, osteodystrophie und chondrodystrophie (fistale rachitis) der rinder. Schweiz. Arch. f. Tierheilk. 87: 465-482. Nov. 1945. Ref. 41.8 Sch9
- 11949 LUNN, E. C. A precocious heifer; cesarean section. Amer. Vet. Med. Assoc. J. 108: 48. Jan. 1946. 41.8 Am3
- 11950 MCEWEN, A. D. Further experiments on the infectivity of vaccine prepared from Brucella abortus strain 45(20) for cattle. Vet. Rec. 58: 3-6. Jan. 5, 1946. 41.8 V641
- 11951 MATHEWS, F. P. The toxicity of a spurge (Phyllanthus abnormis) for cattle, sheep, and goats. Cornell Vet. 35: 336-346. Oct. 1945. 41.8 C81
- Loco Weed Laboratory, Texas Agricultural Experiment Station and U. S. Bureau of Animal Industry cooperating.
- Botanical description by V. L. Cory.
- 11952 MURNANE, D. A preliminary report on the treatment of clinical and subclinical streptococcal and staphylococcal infections of the bovine udder [mastitis] with penicillin. Austral. Vet. J. 21: 82-90. Aug. 1945. 41.8 Au72
- 11953 NELSON, J. Rumensotomy [in the cow]. Vet. Student 8: 105-106. Fall 1945. 41.8 V6425
- 11954 OSPINA O., G. Un mal que debe combatirse enérgicamente: el aborto contagioso del ganado vacuno? a mal de Bang. Rev. Pecuaria, No. 84, p. 10, 12-16. Sept. 1945. 49 R326
- 11955 PALMA ZULOAGA, E. E. Enfermedad de Bang o aborto infeccioso de las vacas o brucelosis bovina. Buenos Aires y La Pampa, No. 82, p. 8-10. Oct. 1945. 9 B868
- 11956 PARKER, H. Diagnosing brucellosis. Hoard's Dairyman 91: 42. Jan. 10, 1946. 44.8 H65
- 11957 PRIOUZEAU, T. Torcion de l'utérus de la vache. Acad. Vét. de France. B. 18: 71-96. Mar. 1945. 41.9 R24
- 11958 REID, J. T., HUFFMAN, C. F., and DUNCAN, C. W. The therapeutic effect of yeast and pyridoxine on poikilocytosis in dairy cattle. J. Nutr. 30: 413-423. Dec. 1945. Ref. 589.8 J82
- 11959 RETE, B. O. Hipocalcemia. Agr. y Ganad. 20(12): 14-16. Oct. 31, 1945. 8 Ag834
- In cattle.
- 11960 RICKARD, C. G. The opsonocytognag test in bovine brucellosis. Cornell Vet. 35: 347-364. Oct. 1945. Ref. 41.8 C81
- Condensed from thesis (M. S.)-Cornell University.
- 11961 RISQUEZ-IRIBARREN, R., VOGELSANG, E. G., and GALLO, P. Segunda nota sobre brucelosis en Venezuela. Venezuela. Min. de Sanid. y Asistencia Social. Rev. de Sanid. y Asistencia Social 10(1): 175-184. Feb. 1945. 449.9 V55
- Spanish, English, and French summaries.
- In cattle.
- 11962 RIVERA, A. Anaplasmosis y piroplasmosis; observaciones sobre el progreso de estas enfermedades en Puerto Rico. Rev. de Agr., Indus. y Com. de Puerto Rico 36(1): 47-48. Jan./June 1945. 8 R325
- In cattle.
- 11963 RYDELL, R. O. Vitamin A deficiency (?) [in cattle]. Amer. Vet. Med. Assoc. J. 108: 49. Jan. 1946. 41.8 Am3
- 11964 SAMPSON, J., MORRILL, C. C., and ALBERTS, J. O. Ketoneuria in fetuses of a heifer and a ewe affected with severe ketosis. Cornell Vet. 35: 365-369. Oct. 1945. 41.8 C81



11965 SAMPSON, J., and BOLEY, L. E. Some observations on the total ketone bodies of the blood of apparently healthy dairy cattle. Cornell Vet. 35: 314-320. Oct. 1945. 41.8 C81

11966 SANDERSON, C. J. Contagious abortion; preventive treatment...for pregnant cows. Land [Sydney], No. 1768, p. 11. Oct. 12, 1945. 25 L22

11967 SCHALM, O. W. Recommendations for the use of penicillin in the treatment of bovine mastitis. Vet. Student 8: 99-101. Fall 1945. 41.8 V6425

11968 SHAW, J. C. Relation of nutrition to ketosis in dairy cattle. (Abs.) Feedstuffs 17(52): 11. Dec. 29, 1945. 286.81 F322

11969 STAPLETON, S. F. Rabies in cattle. Amer. Vet. Med. Assoc. J. 108: 38. Jan. 1946. 41.8 Am3

11970 STARCH, P. F. Clinical diagnosis of pregnancy [in the cow and mare]. Vet. Student 8: 95-98. Fall 1945. 41.8 V6425

11971 SUTTON, T. S., KAESER, R. E., and SOLDNER, P. A. Changes in the level of vitamin A and carotene in the blood plasma of dairy cows associated with parturition and beginning lactation. J. Dairy Sci. 28: 933-939. Dec. 1945. 44.8 J822

11972 TEAGUE, C. E. Stomach worms harm dairy calves. This Month in Rural Ala., Jan. 1946, p. 5. 6 T34

11973 TSELISHCHEV, A. A. Lechenie piroplazmoza i fransaiellöza krupnogo rogatogo skota akriflavinom. Veterinariia 22(7): 14-15. July 1945. 41.8 V6426

Treatment with acriflavine of tick fever (Babesia bigemina) and franciellosis (Franciella colchica) in large horned cattle in the U. S. S. R.

11974 VOLOVHIN, I. Ignenie mumifitsirovannogo ploda u korovy s pomoshch'iu stil'bestrola [Expulsion of a mummified fetus in a cow with the aid of stilbestrol]. Veterinariia 22(2/3): 42. Feb./Mar. 1945. 41.8 V6426

11975 VOLOSKOV, P. A. Fiziologicheskaya profilaktika abortov u krupnogo rogatogo skota [Physiological prophylaxis of abortions in large-horned cattle]. Veterinariia 21(7): 30-32. July 1944. 41.8 V6426

11976 WILDE, J. K. H., and FRENCH, M. R. An experimental study of Trypanosoma rhodesiense infection in Zebu cattle. J. Compar. Path. and Ther. 55: 206-228. July 1945. 41.8 J82  
Transmission to man.

11977 WISE, G. H., and COARSEY, R. W. Measures used in the control of an infectious type of calf scour. Cornell Vet. 35: 320-328. Oct. 1945. 41.8 C81

11978 ZAVADOVSKIY, B. Ispol'zovanie SZHK v bor'be s falovost'iu korov [Use of SZHK for the control of sterility in cows]. Sovkhoz. Proizvod. 5(6): 29-33. June 1945. 20 So85

11979 ŻEBRAK, A. Ratowanie cielęcia przy uboju z konieczności (Le secours au veau dans le cas de l'abattement de nécessité). Med. Vet. 1: 125. Sept. 1945. 41.8 M463  
Caesarean section.

#### Miscellaneous

11980 ANDERSEN, T. I 50-aaret for de første kontrolforeningers oprettelse. Tidsskr. for Landøkonomi, No. 6, p. 259-264. June 1945. 11 T43  
Dairy herd improvement associations in Denmark since their organization fifty years ago.

11981 CALLAHAN, J. Boys still train oxen in New England. New England Homestead 118(24): 6. Dec. 22, 1945. 6 M442

11982 FISHER, W. Geography of cattle. West. Livestock J. 24(6): 42-44. Dec. 15, 1945. 6 F2278

11983 FITCH, F. W. 1946 eight-point dairy program 1946. South. Dairy Prod. J. 39(1): 52-53. Jan. 1946. 44.8 So83

11984 FREEMAN, W. R. "The voice of the dairy farmer" through the American Dairy Association of Nebraska. Nebr. State Bd. Agr. Ann. Rpt. 1945: 287-288. 2 N27R

11985 GANNON, E. A. Modern methods save feed, time and labor and insure quality. Kraftsman, Prod. Ed. 3(6): 3-4. Nov./Dec. 1945. 44.8 K85  
Includes milking methods and care of the equipment.

11986 GODFREY, G. A. How I select my replacement heifers. N. Mex. Stockman 10(12): 28-30. Dec. 1945. 49 M462

11987 GOLD, T. S. Handling kicking cows. Holstein-Friesian World 42: 2139. Dec. 15, 1945. 43.8 H742

Technique in milking.

11988 GREKHOVA, E. Opyt nasheY raboty. Sovkhoz. Proizvod. 5(6): 35-38. June 1945. 20 So85  
Care of dairy cattle in the sovkhos "Karavaevo" of the Kostroma region.

11989 HÅKANSSON, R. Kriget hindrade ej mjölkproduktionens ökning; några intryck från arbetet på husdjursområdet i England [The war did not prevent increase of milk production; some impressions about work with livestock in England]. Lantmännens 29: 1101-1104. Dec. 8, 1945. 11 L234

11990 HARVEY, A. L. Selecting beef sires. Shorthorn World 30(19): 33. Jan. 10, 1946. 43.8 Sh8  
Purchasing.

11991 HENDRICKSON, D. A. How to keep and evaluate junior DHIA records. Better Farming Methods 18(1): 33-34. Jan. 1946. 58.8 M46

11992 KEEFAUER, J. It pays to buy good ones. Aberdeen-Angus J. 27(6): 46, 96. Jan. 1946. 43.8 Ab3

11993 KING, S. A. Practical plans pay at Weber Hereford farms. Ranchman 5(8): 6. Dec. 1945. 49 R15

11994 LARSEN, L. H. Afkomsundersøgelser og afkomsprøvestationer. Tidsskr. for Landøkonomi, No. 11, p. 499-507. Nov. 1945. 11 T43  
Progeny testing of dairy cattle in Denmark and progeny testing stations.

11995 MILLER, J. S. Beef cattle at Cornell and in New York State. Cornell Plantations 2(1): 7-10. Autumn 1945. 409.6 C812

11996 NETTO, F. A. Um importante fator na produção do leite. Rev. dos Criadores 16(10): 35-38. Oct. 1945. 43.8 R32  
Milking methods on a farm in Brazil.

11997 NEW ZEALAND. DEPT. OF AGRICULTURE. Two cows per acre in New Zealand. Hoard's Dairyman 91: 37. Jan. 10, 1946. 44.8 H65

11998 OFFICIAL herd testing in South Australia; results of the 1944-45 tests. So. Austral. Dept. Agr. J., v. 49, No. 3, sup., 15 p. Oct. 1945. 23 So84

11999 OLBRYCHT, T. M. A new instrument for measuring animals; standardization of measurements of cattle. Empire J. Expt. Agr. 13: 199-202. Oct. 1945. 10 Em7

12000 OLIVA, G. Problemas de la ganadería nacional. Sementera (ser. 2), No. 3, p. 55-56. Sept. 1945. 9.5 Se5

Cattle in Ecuador.

12001 ORCHARD, M. "Fairboy" a Jersey and science send production soaring. Farm and Ranch 64(12): 1, 35-36. Dec. 1945. 6 T31  
Description of a dairy farm.

12002 P., R. Should all beef cattle be polled? Farmers' Gaz. [Dublin] 103: 717. Dec. 1, 1945. 10 F221

- 12003 POZDNIÁKOV, P. Vyrashchivanie teljat v miasnykh sovkhovakh [Raising of calves in the beef cattle sovkhovs]. Sovkhoz. Proizvod. 5(6): 33-34. June 1945. 20 So85
- 12004 REED, O. E. Today - and tomorrow in the dairy industry. (Extracts.) Milk Dealer 35(4): 64, 67-68, 70. Jan. 1946. 44.8 M595  
Breeding, feeding, and judging of dairy cattle.
- 12005 RICHARDS, K. L. The importance of milk recording. Worcestershire Agr. Chron. 12: 219, 221, 223. Nov. 1944. 10 W892
- 12006 ROBERTS, B. The dairy show - can it be improved? West. Dairy J. 2(2): 12, 54-55. Dec. 1945. 44.8 W524
- 12007 ROE, J. One-stop service for dairymen. Successful Farming 44(1): 25, 40-41, 95-98. Jan. 1946. 6 Su12  
All services to dairy cattle combined in Ohio.
- 12008 ROSS, W. J. How I judge cattle in the show ring. West. Live Stock 31(5): 10. Dec. 1945. 49 W523
- 12009 RYAN, MRS. A. A. Photographing cattle. Aberdeen-Angus J. 27(6): 59. Jan. 1946. 43.8 Ab3
- 12010 SALISBURY, G. W. How research and developments in dairy cattle during the war may affect post war dairying. (Abs.) Milk Dealer 35(3): 82. Dec. 1945. 44.8 M595
- 12011 SCHEIDENHELM, E. C. Increase profits by fall freshening. Moos 6(6): 9. Jan. 1946. 44.8 M78
- 12012 SCHNEIDER, G. Experience of a dairy farmer. Ranchman 5(9): 21. Jan. 1946. 49 R15
- 12013 SHAW, A. O. Cow sense. New England Homestead 118(23): 3. Dec. 8, 1945. 6 N442  
Concerning milking
- 12014 SMITH, P. D. Grow cows bigger for post war dairying. Checkerboard News 8(1): 15. Jan. 1946. 389.78 Ch1
- 12015 STARP, E. La cria de terneros. Surco [Madrid] 4(45): 11-13. Sept. 1945. 15 Su7
- 12016 T., J. B. The milk gamble. Countryman 32: 208. Winter 1945. 281.28 C832  
Describing conditions at shows and sales in Great Britain.
- 12017 TAYLOR, B. R. Consider the show in your post-war cattle plans. East. Breeder 7(8): 21-23. Jan. 1946. 49 V81
- 12018 TOSI BONILLA, A. Como formar una ganaderia estable en los cantones de Liberia y Bagaces. Agr. Costarricense 3: 380-382. Oct. 1945. 8 Ag895
- 12019 TURK, K. L. Plan now to increase milk production next fall. Dairymen's League News 30(2): 6. Jan. 15, 1946. 44.8 DL432
- 12020 VIRGINIA STATE DAIRYMEN'S ASSOCIATION. Annual convention and reconversion conference, 39, 1946, 72 p. Richmond. 44.9 V81A
- 12021 WALKER, J. P., and ISBRANDTSEN, H. Consignment sales for the pure bred raiser. Aberdeen-Angus J. 27(6): 57, 115-116. Jan. 1946. 43.8 Ab3
- 12022 WILKINSON, F. Herd recording must be continuous for maximum results...[in dairy] herd improvement. Agr. Gaz. N. S. Wales 56: 463-464. Oct. 1, 1945. 23 N472
- 12023 WILKINSON, R. V. A plea for [junior] pure bred heifer clubs. Aberdeen-Angus J. 27(6): 55. Jan. 1946. 43.8 Ab3

## DOGS AND CATS

Breeds and Breeding

- 12024 BAIRD, J. "There's a peace on." Now's the time when breeders and breed clubs should "re-tool" to meet new conditions. Amer. Kennel Gaz. 63(1): 18-19, 210-211. Jan. 1946. (Beltsville Branch Lib.)
- 12025 BELL, D. S. Working dogs of early America. West. Livestock J. 24(6): 72-77. Dec. 15, 1945. 6 F2278  
Chiefly the Collie.
- 12026 THE BREEDS in brief. No. 46: Cairn Terrier. Amer. Kennel Gaz. 63(1): 27-28, 202-204. Jan. 1946. Ref. (Beltsville Branch Lib.)
- 12027 COUCH, V. M. What breed shall I select. All-Pets Mag. 17(1): 31. Jan. 1946. 48.8 AL5  
Concerning the Airedale.
- 12028 HUBBARD, C. L. B. Breeding to build-up kennels. Smallholder 74(1866): 20. Dec. 21, 1945. 10 Sml
- 12029 HUBBARD, C. L. B. With thousands of people wanting dogs there are good openings now for new [British] breeders. Smallholder 74(1864): 12-13. Dec. 7, 1945. 10 Sml
- 12030 LLOYD, F. The English Setter [Laverack strain]. Field and Stream 50(9): 35-36. Jan. 1946. 410 F45
- 12031 REPORT from Europe. By Canis. Amer. Kennel Gaz. 63(1): 20-23, 211, 213-215. (Concl.) Jan. 1946. (Beltsville Branch Lib.)  
Breeds in Holland, Switzerland, Italy, and Scandinavia are described.
- 12032 ROSEN, COUNT B. VON. The Spitz breeds. Field 186: 328. Sept. 29, 1945. 10 F45  
Translated from Swedish.

Veterinary Medicine

- 12033 BARTON, E. P. The cyclic changes of epithelial cords in the dog ovary. J. Morph. 77: 317-349. Nov. 1945. Ref. 444.8 J826
- 12034 BRESSON, M. Un cas de goitre hypothyroïdien chez le chien. Acad. Vét. de France. B. 18: 58-63. Feb. 1945. 41.9 R24
- 12035 BRION, A., and BERTRAND. Paralyse leishmanienne du chien. Acad. Vét. de France. B. 17: 139-142. May 1944. 41.9 R24  
Discussion by G. Petit and Césari, p. 142-143.
- 12036 CATCOTT, E. J. The incidence of intestinal protozoa in the dog. Amer. Vet. Med. Assoc. J. 108: 34-36. Jan. 1946. 41.8 Am3
- 12037 CHARTON, A., and MILIN, J. Contribution à l'étude des leucoses du chien; deux cas de leucose leucémique lymphoïde. Acad. Vét. de France. B. 17: 91-96. Mar. 1944. 41.9 R24
- 12038 CRAIGE, A. H., JR., and KLECKNER, A. L. Tenebricidal action of Di-Phenanthene-70. North Amer. Vet. 27: 26-30. Jan. 1946. 41.8 N812  
Dogs used in the research.
- 12039 CUSHING, MRS. E. F. Gastritis [in cats]. All-Pets Mag. 17(1): 35-37. Jan. 1946. 48.8 AL5  
From "The Cat Journal."
- 12040 D., J. R. Synthetic biotin in progressive paralysis [in dogs]. North Amer. Vet. 27: 25. Jan. 1946. 41.8 N812
- 12041 DRIEUX, H., and MAILLET. A propos d'un abcès prostatique chez le chien. Acad. Vét. de France. B. 17: 99-102. Apr. 1944. 41.9 R24
- 12042 FRICK, E. J. Pointers on small animal practice. (Abs.) Norden News 19(6): 8. Nov./Dec. 1945. 41.8 N75  
Dogs and cats.



12043 GILBERT, O. E. Gastritis [in cats], 1945. All-Pets Mag. 17(1): 37-38. Jan. 1946. 48.8 AL5  
 12044 GRAHAM, J. P. Fido may be disease carrier. Family Herald and Weekly Star 76(48): 13. Nov. 28, 1945. 7 F21

12045 GROULADE. Sulfamidothérapie dans le traitement des formes nerveuses de la maladie de Carré du chien. Acad. Vét. de France. B. 17: 312-313. Oct. 1944. 41.9 R24

12046 HUTSON, L. R. Further observations on canine leptospirosis in Antigua, B. W. I. Canad. J. Compar. Med. 9: 326-330. Dec. 1945. 41.8 C162  
 Includes use of vaccinal therapy.

12047 KEEFE, F. Skin grafting in a cat. Amer. Vet. Med. Assoc. J. 108: 43-44. Jan. 1946. 41.8 Am3

12048 ORTLEPP, R. J. The lung worm, *Filaroides osleri* (Cobbold) in South African bred dogs. So. African Vet. Med. Assoc. J. 16: 86-88. Sept. 1945. 41.8 So8

12049 SENTHILLE, F., BAYO, P. DE, and KOLOCHINE-ERBER, B. Première observation en France d'une infection à leptospires sur des chiens ayant contaminé leurs maîtres. Acad. Vét. de France. B. 18: 176-184. June 1945. Ref. 41.9 R24  
 Discussion by Forgeot and Senthille, p. 185-186.

12050 SMITH, A. C. Canine diseases. Field 186: 357. Oct. 6, 1945. 10 F45  
 Deafness and blindness.

12051 SMITH, A. C. Distemper [in dogs] rampant. Field 186: 492. Nov. 10, 1945. 10 F45

12052 STEYN, H. P. The lung worm, *Filaroides osleri* (Cobbold) in dogs; a clinical report. So. African Vet. Med. Assoc. J. 16: 88-89. Sept. 1945. 41.8 So8

12053 TURK, R. D. Treatment of parasitic infestations of dogs. Tex. Vet. B. 7(11): 2. Dec. 1945. 41.8 T31

12054 WHEN dogs grow old. By Philokoon. Farmer [Pietermaritzburg] 34(49): 19. Dec. 7, 1945. 24 F27

Rheumatism treated with aspirin.

12055 WYKOFF, H. Fracture of the axis [in a dog]. Vet. Student 8: 108-109. Fall 1945. 41.8 V6425

#### Miscellaneous

12056 ADAMSON, K. W. Como se entrena un perro. Agr. y Ganad. 20(12): 5-7. Oct. 31, 1945. 8 Ag834

12057 BROAD, E. G. Training a sheep dog. New Zeal. J. Agr. 71: 451-459. Nov. 1945. 23 N48J  
 Adapted from a booklet by the author.

12058 COLE, I. The cat in America. All-Pets Mag. 17(1): 33-35. (To be cont.) Jan. 1946. 48.8 AL5

12059 HOOEY, N. Blind man trains seeing eye dog as guide. Family Herald and Weekly Star 76(46): 20. Nov. 14, 1945. 7 F21

12060 MILLER, V. Those winter pups. All-Pets Mag. 17(1): 27-28. Jan. 1946. 48.8 AL5  
 Care.

12061 SALLON, J. A. Guarantee for winning. Don't be satisfied with an old standard. Just write your own. Amer. Kennel Gaz. 63(1): 16-17. 211. Jan. 1946. (Beltsville Branch Libr.)

12062 SMITH, A. C. Champion dogs. Field 186: 383. Oct. 13, 1945. 10 F45

12063 SMITH, A. C. War dogs in Europe. Field 186: 305. Sept. 22, 1945. 10 F45

12064 SPICER, J. H. Independent pussy. Our Dumb Anim. 79(1): 9. Jan. 1946. 48.8 Ou7  
 Considered psychologically.

12065 THOMPSON, C. C. The dog-license "gravy." Who gets it and why? Amer. Kennel Gaz. 63(1): 12-15, 227. Jan. 1946. (Beltsville Branch Libr.)

#### HORSES AND MULES

##### Breeds and Breeding

12066 ALLEN, A. C. "Old Bob" as runner and cow horse left imprints in Quarter Horse history. West. Live Stock 31(5): 64-65. Dec. 1945. 49 W523

12067 ALVES, C. B. The formative stages of the American Thoroughbred. Part I-II. Thoroughbred Rec. 142: 952, 980; 143: 20. Dec. 29, 1945, Jan. 5, 1946. 42.8 T39

Part I. Modern race horses had their beginnings with mission of Ponce de Leon; early bloodstock importations; Part II. Early framework of breed traced from \*Diomed to Lexington to \*Glencoe.

12068 BEE, U. G. A French government stud farm. Md. Horse 10(12): 17-18. Dec. 1945. 42.8 M36

12069 BEST, M. G. S. The ponies of Dartmoor and Exmoor. Field 186: 316-318. Sept. 29, 1945. 10 F45

12070 BEST, M. G. S. Shetland ponies; small but hardy. Field 186: 510. Nov. 17, 1945. 10 F45

12071 BRITTON, J. W. The Arabian horse. Vet. Student 8: 88-90. Fall 1945. 41.8 V6425

12072 BURKE, C. F. Pastime of millions; Rancho Del Paso. Thoroughbred of Calif. 4(20): 12-13, 70; 5(1): 12-13, 74, 78. (Cont.) Dec. 1945, Jan. 1946. 42.8 T393

Historical account of a farm for Thoroughbreds.

12073 CULLEY, E. R. Inbreeding is an old wives' tale. Part I-II. Thoroughbred Rec. 143: 65, 92, 116, 129-130. (Concl.) Jan. 12, 19, 1946. 42.9 T39

12074 EVSTAF'EV, F. Kolkhoznyi russkil rysak. Kolkhoz. Proizvod. 5(7): 29-30. July 1945. 281.8 K83

Breeding and training of trotting horses on the collective farm "imeni Il'icha" in the Voronezh region.

12075 FLETCHER, J. L. A genetic analysis of the American Quarter Horse. J. Hered. 36: 346-352. Nov. 1945. 442.8 Am3

12076 FORSYTHE, F. A. Choosing and caring for Thoroughbred bloodstock. Thoroughbred Rec. 142: 954, 966. Dec. 29, 1945. 42.8 T39

"Reprinted excerpts from a series of articles prepared several years ago for...this magazine."

12077 MACEWAN, J. W. G. Breeding and training horses. Family Herald and Weekly Star 76(48): 3, 4. Nov. 28, 1945. 7 F21

12078 PHILLIPS, H. The winner's circle; the breeding that goes into it. Horse Lover 10(4): 14-15. Dec. 1945/Jan. 1946. 42.8 H7852

12079 RASWAN, C. R. Arabs in America. Horse Lover 10(4): 6-9, 12. (Concl.?) Dec. 1945/Jan. 1946. 42.8 H7852

12080 ST. CLAIR, L. I like hillbilly horses. Nation's Business 34(1): 70, 75-76, 78, 80, 82. Jan. 1946. 286.8 N212  
 Tennessee Walking Horse.

12081 SOKOLOV, A. Horse-breeding in the Urals. Field 186: 479. Nov. 10, 1945. 10 F45

12082 STEWART, P. D. The true Arabian horse. Field 186: 339. Oct. 6, 1945. 10 F45

12083 THIS breed "business!" Golden Gaits 2(2): 20-21. (To be cont.) Dec. 1945/Jan. 1946. 42.8 G56  
 Concerning the American Saddle Horse.

12084 WHAT is a Quarter Horse? Cattleman 32(8): 28, 30, 32. Jan. 1946. 49 C29

The problem of the Quarter Horse, by B. Denhardt; The "Quarter Horse" and its future, by M. H. Haskell; Another viewpoint on the Quarter Horse, by F. W. Beall.

Feeds and Feeding

12085 SAMSONOV, P. Chto daet dopolnitel'noe kormlenie rabochikh loshadei. Kolkhoz. Proizvod. 5 (6): 26. June 1945. 281.8 K83

Feeding of draft horses on the collective farm "imeni Zhdanova" in the Gorki region.

Veterinary Medicine

12086 AYLWARD, F., and OTTAWAY, C. W. The collection and examination of plasma from pregnant mares for gonadotrophic hormone. J. Compar. Path. and Ther. 55: 159-167. July 1945. 41.8 J82

12087 BASKAKOV, V. P., PANOVA, L. G., and MITSEKIVICH, V. I. O rezul'tatakh ispytaniia kerosina pri askaridoze, strongilidoze, trikhonematoze i oksiuroze loshadei [Results of testing kerosene in treating ascariasis, strongylosis, tricho-nematosis and oxyuriasis in horses]. Veterinariia 21(8/9): 18-19. Aug./Sept. 1944. 41.8 V6426

12088 BREUS, A. A. O mytnom antiviruse i vaktsine [Concerning strangles antiviral and vaccine]. Veterinariia 21(8/9): 6-10. Aug./Sept. 1944. 41.8 V6426

12089 BRITTON, J. W. Corynebacterium equi infection in a California foal. Cornell Vet. 35: 370-373. Oct. 1945. 41.8 C81

12090 BRITTON, J. W. An equine hermaphrodite. Cornell Vet. 35: 373-375. Oct. 1945. 41.8 C81

12091 BRITTON, J. W. Shigella equirulis infection in California. Cornell Vet. 35: 375-377. Oct. 1945. 41.8 C81

12092 BURDENIK, A. F. Klinicheskie zametki. Veterinariia 21(5/6): 36-37. May/June 1944. 41.8 V6426

Battle-field surgery for horses.

12093 CORDY, D. R., and DAVIS, R. W. An outbreak of salmonellosis in horses and mules. Amer. Vet. Med. Assoc. J. 108: 20-24. Jan. 1946. 41.8 Am3

12094 DEMICHELIS, L. A. Apreciación correcta del caballo: regiones del tronco. Rev. Mens. B. A. P. 28(326): 45, 47-49, 51-53. (Cont.) Jan. 1945. 9 R326

12095 EPSHTEIN, A. B., and GOLIKOV, A. N. Atipicheskaiia forma myta u loshadei [Atypical form of strangles in horses]. Veterinariia 21(8/9): 29-30. Aug./Sept. 1944. 41.8 V6426

12096 EVDOKIMOV, P. D. Lechenie nakotorykh form "kolik" u istoshennykh loshadei [Treatment of some types of colic in exhausted horses]. Veterinariia 22(7): 27-29. July 1945. 41.8 V6426

12097 FOOT facts. By The Farrier. Thoroughbred of Calif. 4(20): 22, 62; 5(1): 23, 66. Dec. 1945, Jan. 1946. 42.8 T393

12098 GAMBAROV, G. S. Diferentsial'naiia diagnostika kontagioznoi plevropnevmonii i infektsionnoi anemii loshadei [Differential diagnosis of contagious pleuropneumonia and infectious anemia in horses]. Veterinariia 22(7): 7-10. July 1945. 41.8 V6426

12099 GANNUSHKIN, M. S. Ob antagonizme mezhdru P. caballi i M. equi i gemosporidii i virusom infektsionnoi anemii loshadei [Concerning the antagonism of Piroplasma caballi and Nuttallia equi and of Haemosporidia and virus of infectious anemia in horses]. Veterinariia 21(8/9): 18. Aug./Sept. 1944. 41.8 V6426

12100 GERASIMOVICH, P. P., and ULENDREV, A. I. Sravnitel'naiia otbenka razlichnykh metodov lecheniia infektsionnogo entsefalomielita loshadei [Comparative evaluation of various methods in the treatment of infectious encephalomyelitis in horses]. Veterinariia 21(5/6): 20-21. May/June 1944. 41.8 V6426

12101 GORRIE, C. J. R. Vaccine treatment of fistulous withers and poll evil. Stock and Land 35 (45): 3. Nov. 7, 1945. 49 St63

12102 GOVORUKHIN, V. P. O protivomytnykh biopreparatakh [Concerning anti-strangles bio-preparations]. Veterinariia 22(2/3): 14-15. Feb./Mar. 1945. 41.8 V6426

12103 HARMON, H. Malignant edema in a mare. Cornell Vet. 35: 381-382. Oct. 1945. 41.8 C81

12104 HOPPE, R. O odejmovaniu lozyska u klaczy (Sur l'écartement manuel du placenta chez la jument). Med. Vet. 1: 121-124. Sept. 1945. 41.8 M463

12105 IAKUSHEV, V. I. K terapii infektsionnogo entsefalomielita loshadei [About the therapy of infectious encephalomyelitis in horses]. Veterinariia 21(7): 9-10. July 1944. 41.8 V6426

12106 IAKUSHEV, V. I. Novyi metod vydeleniia virusa entsefalomielita loshadei [New method of isolating the virus of encephalomyelitis in horses]. Veterinariia 22(7): 11-13. July 1945. 41.8 V6426

12107 IONOV, P. S. Issledovanie zheludochnogo soderzhimogo u loshadei [Investigation of stomach contents in horses]. Veterinariia 22(2/3): 31-34. Feb./Mar. 1945. 41.8 V6426

12108 IZRAILEVICH, I. E. Ob infektsionnoi anemii i leptospiroze loshadei [Concerning infectious anemia and leptospirosis in horses]. Veterinariia 22(7): 10. July 1945. 41.8 V6426

12109 JENSEN, H., LARIVIERE, M., and ELIE, J. J. The isolation of estrone sulfate from the urine of stallions. Rev. Canad. de Biol. 4: 535-537. 1945. 442.8 R325  
French summary.

12110 KAZAKOVA, M. V. Izmenenie fiziko-khimicheskikh pokazatelei krovi pri eksperimental'noi infektsionnoi anemii loshadei [Changes in the physico-chemical indicators of the blood in experimental infectious anemia in horses]. Veterinariia 21(8/9): 24-26. Aug./Sept. 1944. 41.8 V6426

12111 KAZANSKIĬ, I. I. Khimioterapiia i khimioprofilaktika gemosporidiozov loshadei [Chemotherapy and chemoprophylaxis of haemosporidiosis in horses]. Veterinariia 21(7): 5-8. July 1944. 41.8 V6426

12112 KRASHENINNIKOV, P. N. Streptotsidoterapiia bronkhitov i vospalenii legkikh u loshadei [Streptocide therapy of bronchitis and pneumonia in horses]. Veterinariia 22(2/3): 34-36. Feb./Mar. 1945. 41.8 V6426

12113 KRUTOVSKIĬ, L. A. Rentgenoskopiiia konechnostei loshadei i udalenie inorodnykh tel pod kontrollem rentgenovskogo ekrana [Roentgenoscopy of horses' extremities and removal of foreign substances under the control of the roentgen screen]. Veterinariia 22(7): 23-27. July 1945. 41.8 V6426

12114 LAMARRE, L., and LAMARRE, H. Contribution à l'étude clinique du botulisme du cheval. Acad. Vét. de France. B. 17: 117-126. Apr. 1944. 41.9 R24

Discussion by Césari and Forgeot, p. 126-128.

12115 LAMARRE, L. Formule leucocytaire dans l'anémie infectieuse du cheval. Acad. Vét. de France. B. 17: 79-88. Mar. 1944. 41.9 R24

12116 LEMETAYER, E. Les polynucléaires dans l'anémie infectieuse des équidés. Acad. Vét. de France. B. 17: 218-224. July 1944. 41.9 R24

12117 MACLEOD, J., and PONDER, E. An observation on the red cell content of the blood of the thoroughbred horse. Science 103(2664): 73. Jan. 18, 1946. 470 Sci2

12118 MALINGIEWICZ, C. Przypadek psychozy strachowej u konia (Un cas de psychose de frayeur chez le cheval). Med. Vet. 1: 124-125. Sept. 1945. 41.8 M463



- 12119 MEDVEDEV, I. D. Perelivanie krovi u loshadei [Blood transfusion for horses]. Veterinaria 21(7): 24-26. July 1944. 41.8 V6426
- 12120 MESEKOV, N. V. Ob izmeneniiakh vegetativnykh gangliov pri infektsionnoi anemii loshadei [On changes of the vegetative ganglia in infectious anemia of horses]. Veterinaria 21(8/9): 30. Aug./Sept. 1944. 41.8 V6426
- 12121 MIKULASZEK, E., and RATOMSKI, A. Badania serologiczne przy paratyfusowem ronieniu klaczy (Recherches sérologiques sur l'avortement paratyphique des juments). Med. Wet. 1: 39-47. July/Aug. 1945. 41.8 M463  
French summary
- 12122 MUTOVIN, V. I. Lechenie entsefalomyelita u loshadei [Treatment of encephalomyelitis in horses]. Veterinaria 21(7): 8-9. July 1944. 41.8 V6426
- 12123 NFLSON, J. Pressure necrosis [in a horse]. Vet. Student 8: 106. Fall 1945. 41.8 V6425
- 12124 NICOL, L., and VIRAT, B. Sur le traitement de la lymphangite épidémiologique par le biiodure de mercure associé à la lutte contre les infections surajoutées. Acad. Vét. de France. B. 17: 105-110. Apr. 1944. 41.9 R24
- 12125 NOVIKOV, A. P. Diagnostika épiizooticheskogo limfangoita (blastomikoza) loshadei v polevykh usloviakh [Diagnosis of lymphangitis epizootica (blastomycosis) in horses under field conditions]. Veterinaria 21(8/9): 10-11. Aug./Sept. 1944. 41.8 V6426
- 12126 ONKEN, K. Contracted tendons in foals. Vet. Student 8: 106-107. Fall 1945. 41.8 V6425
- 12127 PINCEMIN, Y. La myogloburine du cheval et son traitement. Acad. Vét. de France. B. 18: 18-32. Jan. 1945. 41.9 R24
- 12128 RICHOU, R., and MASSON, J. Trois nouveaux cas de tétanos du cheval traités et guéris grâce à la séro-anatoxithérapie de G. Remon. Acad. Vét. de France. B. 18: 44-46. Feb. 1945. 41.9 R24
- 12129 ROBERTS, S. J. Treatment of strangles in a horse with penicillin and sulfamerazine. Cornell Vet. 35: 378-381. Oct. 1945. 41.8 C81
- 12130 SAYEL'EV, G. I. Vospalenie predlopatochnykh i pakhovykh uzlov u loshadei [Inflammation of preapular and inguinal nodules in horses]. Veterinaria 21(8/9): 46. Aug./Sept. 1944. 41.8 V6426  
Further information as to a local low-grade infection, known in the Saratov region as stone-shoulder, described previously as a new disease by P. M. Karapov in Veterinaria 21(4): 33-34. Apr. 1944.
- 12131 SCHNEIDER, R. Über blasensteine beim pferd und deren operative entfernung bei der stute durch eine einfache methode. Schweiz. Arch. f. Tierheilk. 87: 483-496. Nov. 1945. Ref. 41.8 Sch9
- 12132 SHMULEVICH, A. I., and KALINARZH, M. A. Khimioprofilaktika viroplazmoza loshadei (P. caballi) piroplazminom [Chemoprophylaxis of viroplasmiasis of horses (P. caballi) with "piroplasmine"]. Veterinaria 21(8/9): 14. Aug./Sept. 1944. 41.8 V6426
- 12133 SKORODUMOV, M. T. K patogenezu i lecheniiu tak nazyvaemykh pesochnykh kolik u loshadei [On the pathogenesis and treatment of the so-called sand colic in horses]. Veterinaria 21(8/9): 26-28. Aug./Sept. 1944. 41.8 V6426
- 12134 THIÉRY, J. P., SALOMON, L., and SALOMON, L. A propos de l'encéphalo-myéélite équine observée en France; quelques remarques sur les lésions hépatiques. Acad. Vét. de France. B. 17: 147-159. May 1944. 41.9 R24  
Plates to article appear in Acad. Vét. de France B. 17: 342-345. Nov. 1944.

12135 TRILENKO, P. A. Neklinicheskiĭ onkhotâerkoz i parazitirovanie O. cervicalis v ostistyykh otrostkakh grudnykh pozvonkov loshadei [Non-clinical onchocerciasis and parasitic infection of Onchocerca cervicalis in the ligament nuchae of horse's vertebrae]. Veterinaria 21(7): 27-29. July 1944. 41.8 V6426

12136 TSVETKOV, K. I. O protivomytnom antivruse i vaktsine [Concerning antiviral and vaccine against strangles]. Veterinaria 22(2/3): 12-13. Feb./Mar. 1945. 41.8 V6426

12137 WOOLDRIDGE, W. R. The Veterinary Educational Trust. Vet. Rec. 57: 691-692. Dec. 29, 1945. 41.8 V641

Dealing especially with horses in Great Britain.

12138 ŽULIŃSKI, T. Studia anatomo i histopatologiczne nad zakaźnym zapaleniem mózgu u konia i u królika (rekonstrukcja) [Études anatomiques et histopathologiques sur l'encéphalite infectieuse du cheval et du lapin]. Med. Wet. 1: 47-57. July/Aug. 1945. 41.8 M463

French summary.

12139 ZYKOV, A. I. Palliativnoe lechenie bursitis olecrani chronica serosa et sero-fibrinosa u loshadei [Palliative treatment of bursitis olecrani chronica serosa and sero-fibrinosa in the horse]. Veterinaria 22(7): 31-32. July 1945. 41.8 V6426

#### Miscellaneous

12140 ANDERSEN, T. V. Forslag til praestationsprøver (trackprøver) for danske landbrugsheste [Proposals for strength test (pulling tests) for Danish draft horses]. Tidsskr. for Landøkonomi, No. 4, p. 165-181. Apr. 1945. 11 T43

12141 BUSS, A. Spots before my eyes. Morgan Horse Mag. 5(1): 18-19. Nov. 1945. 42.8 M82

Concerning piebald horses, their purchase value as compared to those of solid color.

12142 CHIEFFI, A. O Brasil precisa de bons equideos; a ferragem - um mal necessário. Rev. dos Criadores 16(10): 53-58. Oct. 1945. 43.8 R32

12143 COLLINS, N. C. All breeding records scanty until 1791. Horse Lover 10(4): 26-27. Dec. 1945/Jan. 1946. 42.8 H7852

Also discusses origin of the Thoroughbred.

12144 DUCK, R. W. Postwar horse power. Rural New-Yorker 105: 20, 24. Jan. 5, 1946. 6 R88

12145 FILIPPOV, S. F. Vyrashchivanie konskogo molodniaka v tabunnom konevodstve. Kirgizskii Nauch.-Issled. Inst. Zhivotn. Nauch. Otchet o Rabote 1941/1942: 46-55. 1944. 49.9 K63N

Raising young horses by the herd method on the collective farm, Kenesh, in the Frunze region.

12146 HARRIS, L. D. Hoofs still beat on Dakota grass. Dakota Farmer 66: 6. Jan. 5, 1946. 6 D14

Wild horses.

12147 HARTUNG, A. M. The horse in war. Horse Lover 10(4): 2. Dec. 1945/Jan. 1946. 42.8 H7852

12148 HELLBUSCH, C. E. Fine horses - fine [beef] cattle - fine people make Bill Thompson's Cabra Springs Ranch a pleasant place to visit. N. Mex. Stockman 10(12): 47-49. Dec. 1945. 49 N462

12149 KOESTER, F. W. Current trends in the horse world. Horse Lover 10(4): 27-29. Dec. 1945/Jan. 1946. 42.8 H7852

12150 LAGOS U., J. A. Animales de labor. Agr. Costarricense 3: 399. Oct. 1945. 8 Ag895

Brief description of the horse, mule, ass and ox.

12151 MCFARLAND, E. Faire and future business. Percheron News 8(1): 16-17. Jan. 1946. 42.8 P412

12152 PREPAREDNESS. By Spice. Amer. Horseman - Sportologue 14(1): 24, 28. Jan. 1946. 42.8 Am35  
Discussion of horse shows.

12153 SOKOLOV, A. Vosstanovlenie russkoi verkhovoi porody loshadei [Restoration of the Russian riding horse]. Sovkhoz. Proizvod. 5(4/5): 26-29. Apr./May 1945. 20 So85

12154 WALSH, J. J. Museum piece - the horse. Thoroughbred of Calif. 4(20): 20-21, 58. Dec. 1945. 42.8 T393

## POULTRY

Breeds and Breeding

12155 ALEXANDER, A. K. S. Danger of low-grade "pures"...birds will quickly lose breed-type. Farmer & Stock-Breeder 59: 1876. Nov. 20, 1945. 10 F228

12156 BARLEY, H. D. Flock-mating drawbacks. Poultry World 77: 305. Dec. 21, 1945. 47.8 P8682

12157 BECKER, J. A fascinating hobby [the Modena breed of pigeon]. Poultry & Rabbit Monthly 13(12): 14. Dec. 1945. 47.8 P8654

12158 CARTWRIGHT, H. Riding for a fall. Poultry World 77: 308, 312. Dec. 21, 1945. 47.8 P8682  
Advice on breeding.

12159 CARVER, J. S. Management of turkey breeders. Washcoegg 23(8): 10, 24-25. Jan. 1946. 47.8 W27

12160 COAD, W. H. Time to discard pullet breeding prejudices. Mod. Poultry Keeping 53: 454-455. Dec. 19, 1945. 47.8 Eg3

12161 CONRAD, F. 'Strain-crossing' builds Urness' chick business; secret of Minnesota hatcheryman's success. Poultry Supply Dealer 23(1): 16, 49-50. Jan. 1946. 47.8 B11

12162 GORDON, M. D. Pedigree poultry breeding. Field 186: 483. Nov. 10, 1945. 10 F45  
Breeding based on records and testing.

12163 GRANGE, C. Beginnings of our most popular present-day [poultry] breeds. Smallholder 74(1866): 14. Dec. 21, 1945. 10 Sml

12164 GRANGE, C. Choice in sex-linked crosses. Smallholder 74(1864): 14. Dec. 7, 1945. 10 Sml

12165 HERING, L. C. The French Houdan fowl. Poultry & Rabbit Monthly 14(1): 3-4. Jan. 1946. 47.8 P8654

12166 HOWES, H. Breed choice [of turkeys]. Mod. Poultry Keeping 53: 472. Dec. 26, 1945. 47.8 Eg3

12167 HOWES, H. Producing stock cockerels. Farming News and North Brit. Agr. 97(53): 15. Dec. 28, 1945. 10 N82

12168 HOWES, H. Selection for breeding. Farming News and North Brit. Agr. 97(49): 17. Nov. 30, 1945. 10 N82  
Poultry.

12169 HUTTON, J. Six varieties of Bantams. Poultry [London] 97: 378. Dec. 11, 1945. 47.8 P869

12170 JEFFREY, F. P. Breed for top [egg] production. Southwest Poultryman 9(8): 11, 14. Dec. 1945. 47.8 So86

12171 KEILHOLZ, F. J. Preview of tomorrow's meat-type chicken. Country Gent. 116(1): 15, 56-58. Jan. 1946. 6 C833

Breeding and various breeds discussed.

12172 MCKAY, G. Incross chickens - watch 'em. N. J. Farm and Gard. 16(12): 34, 36. Dec. 1945. 6 G162

12173 MOORE, A. C. Final check-up on the breeders. Poultry [London] 97: 374. Dec. 11, 1945. 47.8 P869

12174 PARKER, J. E., and BARTON, O. A. Relation of broodiness to reproduction in turkey hens. N. Dak. Agr. Expt. Sta. Bimo. B. 8(2): 3-5. Nov./Dec. 1945. 100 N813B

12175 PETROV, S. Ispol'zovanie estestvennogo otbora v selektsii. Sovkhoz. Proizvod. 5(7): 35-39. July 1945. 20 So85

Principles of natural selection in the evolution of domestic animals applied in poultry breeding.

12176 POWELL-OWEN, W. No fireside matings. Poultry World 77: 281. Dec. 7, 1945. 47.8 P8682

12177 POWELL-OWEN, W. One too many; maintenance of too many breeds on one farm a common failing. Poultry World 77: 309. Dec. 21, 1945. 47.8 P8682

12178 ROOME, C. A. The breeding turkey. Farmer & Stock-Breeder 59: 1968. Dec. 4, 1945. 10 F228

12179 STAVERMAN, F. H. Good stock of Rhode Island Red, needed for the Netherlands. Canada Poultryman 32(12): 8. Dec. 1945. 47.8 C166

12180 THOMPSON, J. K. Pleasure and profit from Barred Rock Bantams. All-Pets Mag. 17(1): 44, 47. Jan. 1946. 48.8 AL5  
From "Texas Bantam Assn. Yearbook."

12181 TOMHAVE, A. E. Believes future improvements lay in New Hampshires. Peninsula Broiler J. 5(16): 1, 2. Dec. 17, 1945. 47.8 P37

12182 WAAS, M. J. The Cochins. Poultry Press 32(5): 7. Jan. 10, 1946. 47.8 P8643

Feeds and Feeding

12183 ALEXANDER, A. Y. S. Feeding [poultry] in the dark days. Farmer & Stock-Breeder 59: 1968. Dec. 4, 1945. 10 F228

12184 BARLEY, H. D. Free range for fertility. Poultry World 77: 277. Dec. 7, 1945. 47.8 P8682

12185 BRIGGS, G. M. Postwar trends and recent developments in field of poultry nutrition. Feed Bag 22(1): 49-50, 86. Jan. 1946. 389.78 F32  
Also in Peninsula Broiler J. 5(17): 5-5. Jan. 7, 1946. 47.8 P37

12186 BUTTNER, E. E. Vitamin B requirements of pigeons. So. African Poultry, Pigeon and Bird Mag. 51: 303. Nov. 1945. 47.8 So83

12187 CHARLES, T. B. Changes in poultry feed practices. Feedstuffs 17(50): 32, 34, 36, 38. Dec. 15, 1945. 286.81 F322

12188 GAMERO ROBLES, A. M. La harina de pescado en la avicultura. Campo [Buenos Aires] 29(348): 50-51, 58. Oct. 1945. 9 C15

12189 GODDARD, S. A. Interesting poultry feeding experiments are being conducted at B. C. University; cockerel grades improved by feeding female hormones. Canad. Grain J. 1(5): 17. Dec. 1945. 59.8 C16

12190 GORDON, M. D. Feeding of winter chickens. Field 186: 350. Oct. 6, 1945. 10 F45

12191 GRAU, C. R., and ALMQUIST, H. J. Value of sunflower seed protein [for chicks]. Soc. Expt. Biol. and Med. Proc. 60: 373-374. Dec. 1945. 442.9 Sol

12192 HOWES, H. Combined operations. Mod. Poultry Keeping 53: 454. Dec. 19, 1945. 47.8 Eg3  
Rotation of poultry with vegetable crops.

12193 KLEIN, G. T. What's the best way to feed layers? N. H. Breeder 8(4): 18-19. Dec. 1945. 47.8 N45

12194 LEVITSKIĬ, B. G. Sal'nyiŭ otorm guseiŭ [Fattening of geese]. Kirgizskii Nauch.-Issled. Inst. Zhivotn. Nauch. Otchet o Rabote 1941/1942: 134-136. 1944. 49.9 K63N

12195 LUCAS, H. L. The animal protein factor for chickens. (Abs.) Feedstuffs 17(52): 16, 18. Dec. 29, 1945. 286.81 F322

12196 M., M. H. Feeding methods [for poultry]. Farmers' Gaz. [Dublin] 103: 725. Dec. 1, 1945. 10 F221



12197 MCCLYMONT, G. L. The nutritional requirements of poultry. Practical application of results of research. The facts about vitamin A. Agr. Gaz. N. S. Wales 56: 471-473. (Cont.) Oct. 1, 1945. 23 N472

12198 MACILRAITH, J. J. The first month of brooding; an efficient feeding program... is the prime requisite. Canad. Poultry Rev. 70(1): 4-6. Jan. 1946. 47.8 C16

12199 OLSSON, M. Försök med fjäderfä. Lantmannen 29: 1085-1087. Dec. 1, 1945. 11 L234

Poultry nutrition experiments with various feeds.

12200 OSGOOD, G. Winning the last round against old man winter [in feeding poultry]. Checkerboard News 8(1): 8-9. Jan. 1946. 389.78 C41

12201 ROOME, C. A. Flesh, not bone, for Christmas [poultry]. Farmer & Stock-Breeder 59: 1876. Nov. 20, 1945. 10 F228

12202 SLOAN, H. J. Formulating poultry rations. Grain & Feed Rev. 35(4): 14, 56-57. Dec. 1945. 280.28 C78

12203 SPARLING, I. R. The nutrition of turkeys. Canad. Poultry Rev. 70(1): 18, 36-38. (To be cont.) Jan. 1946. 47.8 C16

12204 VILJOEN, W. C. J. Substitute feeds for chickens. Farmer's Weekly [Bloemfontein] 70: 651. Nov. 21, 1945. 24 F225

#### Veterinary Medicine

12205 BALL, R. F. Two unusual neoplasms in the chicken iris. Cornell Vet. 35: 383-386. Oct. 1945. 41.8 C81

12206 BAYON, H. P. Livers; swollen or spotted. Poultry Farmer [London] 113(2947): 3. Dec. 14, 1945. 47.8 F312

In connection with diagnosing certain diseases.

12207 BEAUDETTE, F. R. Newcastle disease. Country Gent. 116(1): 34, 36. Jan. 1946. 6 C833

12208 CARIDROIT, F., and RÉGNIER, V. Différence de la sensibilité à l'hormone femelle du chapon et de la chaponne Leghorn Doré. Soc. de Biol. Compt. Rend. 139: 371-373. Apr. 1945. 442.9 P21

12209 DOROSHEKO, I. N. Chuma ptifa [Fowl plague]. Veterinariia 22(7): 19-22. July 1945. 41.8 V6426

12210 FOSS, J. O. Diseases of North Dakota poultry. N. Dak. Agr. Expt. Sta. Bimo. B. 8(2): 17-19. Nov./Dec. 1945. 100 N813B

12211 GORRIE, C. J. R. Vaccination control of I. L. T. [laryngotracheitis], is veterinary triumph. Stock and Land 35(44): 3, 6. Oct. 31, 1945. 49 St63

12212 GRAY, R. E., GROSSMAN, M. I., and ROBINSON, H. E. Failure of intestinal extracts to prevent chick gizzard erosions. Soc. Expt. Biol. and Med. Proc. 60: 387. Dec. 1945. 442.9 S01

12213 GWATKIN, R. Studies in pullorum disease. VII. Transmission of infection to healthy birds by contact. Canad. J. Compar. Med. 9: 335-338. Dec. 1945. 41.8 C162

12214 HINSHAW, W. R., and MCNEIL, E. Salmonella types isolated from snakes. Amer. J. Vet. Res. 6: 264-266. Oct. 1945. 41.8 Am3A

A possible cause of infection in turkeys.

12215 JAAP, R. G. Activity of synthetic estrogens on oral administration in the domestic fowl and turkey. Endocrinology 37: 369-376. Nov. 1945. 448.8 En2

12216 JOHNSTON, M. G. Control of laryngotracheitis. Family Herald and Weekly Star 76(46): 15. Nov. 14, 1945. 7 F21

12217 JURADO, F. R., and PESCE DE FAGONDE, A. La diarrea blanca bacilar de las aves. Campo [Buenos Aires] 29(548): 52-53. Oct. 1945. 9 C15

12218 LACKLAND, S. B. No cure but white diarrhea may be controlled. Grit and Steel 47, 1. e. 45 (9): 35. Jan. 1946. 47.8 G88

12219 LEFÈVRE, G. Importance du facteur fonctionnel et du facteur hormonal dans la structure du canal déférent du coq domestique. Soc. de Biol. Compt. Rend. 139: 399-401. Apr. 1945. 442.9 P21

12220 LESTREM, A. Afección diftero-variólica de las aves de corral. Mundo Avic. 8(93): 24-26. Nov. 1945. 47.8 M92

12221 MCCLYMONT, G. L. Too common in dry summer, deficiency troubles affect profits from laying flocks. Farmer and Settler 40(39): 14. Oct. 26, 1945. 23 F226

12222 MADDY, K. T. Poultry husbandry; prevention and control of disease. Vet. Student 8: 77-81. Fall 1945. 41.8 V6425

12223 NEWMAN, T. Congested lungs. Mod. Poultry Keeping 53: 473. Dec. 26, 1945. 47.8 Eg3

Probably bronchitis in chicks.

12224 NEWMAN, T. Early chicks have a better start. Mod. Poultry Keeping 53: 457. Dec. 19, 1945. 47.8 Eg3

More rapid growth and development.

12225 OLSON, C., JR. Immunization against a lymphoid tumor of the chicken. II. Use of centrifuged material. Cornell Vet. 35: 308-313. Oct. 1945. 41.8 C81

12226 RAY, H. N. On a new Coccidium wenyonella gallinae n. sp., from the gut of the domestic fowl, Gallus gallus domesticus Linn. Cur. Sci. 14: 275. Oct. 1945. 475 Sci23

12227 SCRIVNER, I. H. Experimental edema and ascites in poult. Amer. Vet. Med. Assoc. J. 108: 27-32. Jan. 1946. 41.8 Am3

12228 STOLL, R. Sur les processus hormonaux qui conditionnent l'évolution des canaux de Müller de l'embryon de poulet. Recherches sur l'action du propionate de testostérone. Soc. de Biol. Compt. Rend. 139: 283-284. Mar. 1945. 442.9 P21

12229 VAN ROEKEL, H. Reproductive disorders; disease conditions of the reproductive organs. Everybody's Poultry Mag. 50(9): 8, 24-25. Oct. 1945. 47.8 F213P

12230 WEAVER, G. S. Roum in chickens can be prevented. Dakota Farmer 65(24): 8. Dec. 22, 1945. 6 D14

12231 WOŁOSZYŃSKI, M. Zagadnienie pomoru kur ze szczególnym uwzględnieniem produkcji szczepionki przeciwpomorowej i jej skuteczności (Le problème de la peste aviaire avec considération spéciale de la production du vaccin et de son efficacité). Med. Wet. 1: 61-65. July/Aug. 1945. 41.8 M463

French summary.

#### Miscellaneous

12232 ALEXANDER, A. K. S. Turkeys for 1946 Christmas. Farmer & Stock-Breeder 29: 2064. Dec. 18, 1945. 10 F228

Concerning a colony and range system.

12233 ANGELL, G. N. Ed Shearer of Estacada gets a kick out of [showing] high-powered chickens. Oreg. Farmer 68: 675. Dec. 20, 1945. 6 Or32

12234 BIRTWISTLE, V. Incubator ducklings. Mod. Poultry Keeping 53: 455. Dec. 19, 1945. 47.8 Eg3

12235 BLACKWELL, H. L. Overcrowded houses. Mod. Poultry Keeping 53: 475. Dec. 26, 1945. 47.8 Eg3

12236 BOTSFORD, H. E. Quality chicks for '46. N. H. Breeder 8(4): 13, 29-30. Dec. 1945. 47.8 N45

Purchasing and care.

12237 BROOMHEAD, W. W. Killing and plucking fowls. Poultry [London] 97: 376. Dec. 11, 1945. 47.8 P869

12238 BURTON, W. Texas woman tells how she made money with poultry. Southwest Poultryman 9(8): 8. 18. Dec. 1945. 47.8 So86

- 12239 C., W. S. Routine in the hen house. Rural New-Yorker 105: 31. Jan. 5, 1946. 6 R88
- 12240 CANTAVE, L. L'orientation de l'aviculture en Haïti. Rev. Agr. d'Haïti, No. 1, p. 45-47. 1945. 8 R5241
- 12241 CHARLES, T. B. Winter is the testing period [for poultry]. Rural New-Yorker 105: 32. Jan. 5, 1946. 6 R88
- 12242 COLES, R. Accredited poultry stock improvement. Gt. Brit. Min. Agr. Agriculture 52: 415-417. Dec. 1945. 10 G79J
- 12243 COLLINS, W. Special problems of the laying hen. Pacific Poultryman 50(1): 18-21. (Concl.) Jan. 1946. 47.8 P112
- Conclusion of Poultryman's [disease] problems, from preceding issue.
- 12244 COLLINSON, H. The birds know what is good for them; so provide shade and shelter. Mod. Poultry Keeping 53: 449. Dec. 19, 1945. 47.8 Eg3
- 12245 COLLINSON, H. Prize sitting was his introduction to utility poultry. Mod. Poultry Keeping 53: 472-473. Dec. 26, 1945. 47.8 Eg3
- Concerning a Lancashire farm.
- 12246 CORLEY, P. R. Building through broilers in Benton County, Arkansas and in Gainesville, Georgia. Southwest Poultryman 9(8): 12-13. Dec. 1945. 47.8 So86
- Reprinted from Down South Magazine.
- 12247 COUCH, V. M. Origin of the domestic turkey. Poultry & Rabbit Monthly 13(12): 8-9. Dec. 1945. 47.8 P8654
- 12248 DE GUERIN, B. C. An island [poultry] farm: pioneer Guernsey farmer overcomes tremendous odds. Poultry World 77: 308. Dec. 21, 1945. 47.8 P8682
- 12249 FRANCIS, P. A. The goose. Gt. Brit. Min. Agr. Agriculture 52: 409-413. Dec. 1945. 10 G79J
- 12250 GARDEN battery in winter. By Domesticus. Mod. Poultry Keeping 53: 470. Dec. 26, 1945. 47.8 Eg3
- 12251 GETSON, S. F. Turkeys for New Year's. Family Herald and Weekly Star 76(52): 9. Dec. 26, 1945. 7 F21
- Description of a turkey farm.
- 12252 GOODELL, I. V. County agent outlines plan for 4-H poultry and pig project. Better Farming Methods 18(1): 35, 49. Jan. 1946. 58.8 P46
- 12253 GOODING, P. H. South Carolina's turkey industry. South. Planter 107(1): 40-41. Jan. 1946. 6 So89
- Care and management of turkeys.
- 12254 GORDON, M. D. Management of winter chickens. Field 186: 322. Sept. 29, 1945. 10 F45
- 12255 HADLINGTON, E. Cheap food supply a main factor in duck farming. Farmer and Settler 40(40): 14. Nov. 2, 1945. 23 F226
- 12256 HATCHERY TRIBUNE. 1946 merchandising directory; feed, equipment, supplies, health products, flock improvement, organizations. Hatchery Tribune, v. 20, No. 1, 156 p. Jan. 1946. 47.8 H28
- Partial contents: Outlook for 2 years! by L. J. Norton, p. 10, 134-135; The key to expanded markets, by E. P. Langan, p. 14; Engineered service for that hatchery of the future, by J. I. Taggart, p. 18, 136. (To be cont.)
- 12257 HOFFER, F. Rollo the despot. Saskatchewan Farmer 37(1): 12. Jan. 2, 1946. 7 Sa74
- Social system in the chicken yard.
- 12258 HOWES, H. Time to improve [poultry] flock. Farmers Weekly [London] 23(24): 43. Dec. 14, 1945. 10 F2226
- 12259 ISOLATION plans. By Observer. Poultry World 77: 312. Dec. 21, 1945. 47.8 P8682
- A suggestion as to ailing poultry.
- 12260 JAMES, L. Good management keeps them laying. Cackle and Crow 24, i. e. 28(11, i. e. 3): 2. Jan. 1946. 47.8 C11
- 12261 JULL, M. A. Laying flock management. Md. Farmer 29(12): 13. Dec. 1945. 6 M362
- 12262 KITTO, H. A. Management of young [poultry] stock. New Zeal. J. Agr. 71: 553. Nov. 1945. 25 N48J
- 12263 L., L. Need sunshine in winter [for poultry]. Wallaces' Farmer and Iowa Homestead 71(1): 31. Jan. 5, 1946. 6 W15
- 12264 LIDSTER, E. Junior poultry clubs important part of B. C. poultry industry. Canada Poultryman 32(12): 5-6, 17. Dec. 1945. 47.8 C166
- One of the projects of the Junior Farmer Clubs.
- 12265 LISSOT, G. Température de la poule couveuse. Acad. Vét. de France. B. 17: 314. Oct. 1944. 41.9 R24
- 12266 MCINTYRE, R. W. Disinfectants for use in poultry program. Utah Farmer 65(9): 3, 23. Dec. 15, 1945. 6 D45
- 12267 MARBLE, D. K. Measuring results on pedigree farms. Poultry Supply Dealer 23(1): 46, 48. Jan. 1946. 47.8 B11
- 12268 MOORE, A. C. DPK ducks on a canal. Poultry Farmer [London] 113(2947): 9-10. Dec. 14, 1945. 47.8 F312
- 12269 MOYER, D. D. Production of quality eggs. Amer. Egg & Poultry Rev. 6: 802, 804, 806. Dec. 1945. 47.8 Am38
- 12270 OGLE, R. C. Cull that flock! Breeder & Gaz. 111(1): 17, 31. Jan. 1946. 49 B74
- Poultry.
- 12271 P., A. J. Advance planning; give pullets a chance to settle down. Poultry World 77: 305. Dec. 21, 1945. 47.8 P8682
- 12272 PARISH, A. J. Coming of age...factors governing the date of the first egg. Poultry World 77: 277. Dec. 7, 1945. 47.8 P8682
- 12273 PARISH, A. J. 'Ware additions. Poultry World 77: 312. Dec. 21, 1945. 47.8 P8682
- Adding new birds to the layers is to be avoided.
- 12274 PRALL, P. A. Stronger chicks; age and condition of eggs for incubation are salient points. Poultry World 77: 309. Dec. 21, 1945. 47.8 P8682
- 12275 RHYS, I. W. Good yields from late-hatched birds. Gt. Brit. Min. Agr. Agriculture 52: 413-414. Dec. 1945. 10 G79J
- Use of artificial light to stimulate growth.
- 12276 RICHARDS, J. S. 'A brighter picture for poultry newcomers. Mod. Poultry Keeping 53: 434-435. Dec. 12, 1945. 47.8 Eg3
- Advantages for poultry farmers of today.
- 12277 ROBINSON, L. A poultry farm among the bricks and mortar. Mod. Poultry Keeping 53: 454-455. Dec. 19, 1945. 47.8 Eg3
- A Scottish poultry farm near coal mines.
- 12278 S., A. Give your hens comfortable surroundings. Rural New-Yorker 105: 30. Jan. 5, 1946. 6 R88
- 12279 SALTWELL, A. Having had 34 ducks stolen ... qualified to offer a little advice. Smallholder 74(1864): 13. Dec. 7, 1945. 10 Sm1
- 12280 SUTTON, J. My score-card for [judging] productive type. Poultry [London] 97: 379. Dec. 11, 1945. 47.8 P869
- 12281 TOBIN, B. F. Are commercial flocks practical in Midwest? U. S. Egg & Poultry Mag. 51: 453. Oct. 1945. 286.85 Eg3
- For meat production.
- 12282 TURKEY WORLD. 1946 directory and annual review issue. Turkey World, v. 21, No. 1, 178 p. Jan. 1946. 47.8 T84
- Includes general information for those raising turkeys and engaged in the industry on a large scale.



- 12283 WARE, H. G. Which chicks shall I buy? Farmer-Stockman 59: 46. Jan. 1946. 6 Ok45
- 12284 WARNER, W. H. Common sense methods of brooding and managing of chicks and pullets advised. Utah Farmer 65(9): 3, 19-20. (To be cont.) Dec. 15, 1945. 6 D45
- 12285 WHITE, C. Wilmarth pioneers with baby capons. Better Farms 6(14): 3, 15-16. Dec. 15, 1945. 6 B462

## RABBITS

Breeds and Breeding

- 12286 ABBY, G. R. Opportunity is at your door. Small Stock Mag. 30(1): 28. Jan. 1946. 48.8 P442
- Raising Angora rabbits.
- 12287 BLAKE, R. Speculation in [Champagne D'] Argentes. Poultry World 77: 283. Dec. 7, 1945. 47.8 P8682
- 12288 CHRISTENSEN, H. W. Continuation--show type 1 N. Z. Whites. Amer. Small Stock Farmer 30(4): 18. Jan. 1946. 48.8 J82
- 12289 CITRO, N. Creme D'Argents. Small Stock Mag. 30(1): 5. Jan. 1946. 48.8 P442
- 12290 COPPEL, D. E. I voted for the [Chinchilla weight] gap. Small Stock Mag. 30(1): 4. Jan. 1946. 48.8 P442
- 12291 COUCH, V. M. What I know about Chinchillas. Amer. Small Stock Farmer 30(4): 19. Jan. 1946. 48.8 J82
- 12292 DEATLEY, J. R. The aristocratic Tan. Small Stock Mag. 30(1): 37, 40. Jan. 1946. 48.8 P442
- 12293 ENGLER, K. O. Essentials of [rabbit] breeding. Small Stock Mag. 30(1): 29. Jan. 1946. 48.8 P442
- 12294 GLASS, J. The Red New Zealand rabbit. Calif. Rabbits Mag. 9(5): 10. Dec. 1945. 40.28 Sa5
- 12295 GRINSTRA, W. T. White New Zealands. Poultry & Rabbit Monthly 13(12): 5-7. Dec. 1945. 47.8 P8654
- 12296 KISKEY, F. The genetical background of rabbit breeding. Small Stock Mag. 30(1): 42-46. Jan. 1946. 48.8 P442
- VI. The dihybrid cross, or following through two distinct characters at the same time.
- 12297 LEWIS, C. O. Our standard [for the Dutch rabbit breed]---does it need to be changed or just properly applied? Small Stock Mag. 30(1): 16, 34-35. Jan. 1946. 48.8 P442
- 12298 NEW ZEALAND FEDERATION. New Zealand Red standard of perfection. Calif. Rabbits Mag. 9(6): 6-7, 10, 12. Jan. 1946. 40.28 Sa5
- Introduction by J. C. Fehr.
- 12299 RECKINGER, E. The Checkered Giant. Small Stock Mag. 30(1): 23. Jan. 1946. 48.8 P442
- 12300 SHIRREFF, MRS. W. H. Shearing records for Angoras. Small Stock Mag. 30(1): 28-29. Jan. 1946. 48.8 P442
- 12301 SIGMOND, P. N. The Angora doe. Amer. Small Stock Farmer 30(4): 3-4. Jan. 1946. 48.8 J82
- 12302 SNOW, C. F. Prepare for the first litters [of rabbits]. Mod. Poultry Keeping 53: 437. Dec. 12, 1945. 47.8 E3
- 12303 SOUERS, R. L. The proposed New Zealand Red standard. Small Stock Mag. 30(1): 30. Jan. 1946. 48.8 P442
- 12304 STOUT, R. P. Blue Rex. Amer. Small Stock Farmer 30(4): 20. Jan. 1946. 48.8 J82
- 12305 STOUT, R. P. The Castor Rex rabbit. Amer. Small Stock Farmer 30(4): 20. Jan. 1946. 48.8 J82

- 12306 WILSON, E. Angoras? What's the difference? Internatl. Com. Rabbit J. 3(26): 49-50. Dec. 1945. 40.28 In8
- Purchase of Angora rabbits.
- 12307 WILSON, E. Most Angora buyers buy dumb. Small Stock Mag. 30(1): 36. Jan. 1946. 48.8 P442

Veterinary Medicine

- 12308 BLITSTEIN, I., and VAN DEN BERGHE, L. Modifications de la moelle osseuse du lapin pendant la guerre. Soc. de Biol. Compt. Rend. 139: 328-330. Mar. 1945. 442.9 P21
- Changes in feeding discussed as a probable cause.
- 12309 GOODERHAM, MRS. M. "Home cure" with help of "pill." Internatl. Com. Rabbit J. 3(26): 73-74. Dec. 1945. 40.28 In8
- Treatment of hair balls with calomel.
- 12310 LIKERMAN, J. E. Práctica de la reproducción de los conejos; cuidados del la coneja durante la gestación, parto y su cria. Mundo Avic. 8(93): 34-35. (Concl. 1) Nov. 1945. 47.8 M92
- 12311 LUND, E. E. Intestinal coccidiosis in domestic rabbits. Amer. Rabbit J. 15: 67-69. Sept./Oct. 1945. 40.28 Am3
- Also in Calif. Rabbits Mag. 9(5): 3, 9, 14, 19. Dec. 1945 (40.28 Sa5); and in Internatl. Com. Rabbit J. 3(26): 18-19. Dec. 1945. 40.28 In8
- 12312 ROSENBUSCH, F., and GELORMINI, N. Ulceraciones crónicas del conejo Rex. Gac. Vet. 7: 134-139. May/June 1945. 41.8 G112

Miscellaneous

- 12313 A., M. Killing the rabbit. Poultry World 77: 311. Dec. 21, 1945. 47.8 P8682
- 12314 BROWN, R. E. More about judging rabbits. Internatl. Com. Rabbit J. 3(26): 59-62. Dec. 1945. 40.28 In8
- 12315 JOHNSON, C. F. A nationally recognized R. O. P. system. Installment No. 2. Internatl. Com. Rabbit J. 3(26): 41-45. Dec. 1945. 40.28 In8
- 12316 NICHOLSON, J. C. The R. O. P. movement [for rabbits]. Amer. Small Stock Farmer 30(4): 12. Jan. 1946. 48.8 J82
- 12317 WAGNER, N. L. Comments on R. O. P. system. Internatl. Com. Rabbit J. 3(26): 37-38. Dec. 1945. 40.28 In8
- 12318 WEBB, W. H. Rabbits are agriculture. Internatl. Com. Rabbit J. 3(26): 55-56. Dec. 1945. 40.28 In8
- Also in Small Stock Mag. 30(1): 29. Jan. 1946. 48.8 P442
- As to the transfer of work on rabbits from Fish and Wildlife Service to the Dept. of Agriculture.

## SHEEP AND GOATS

Breeds and Breeding

- 12319 AMANKULOV, S. N. Motizatsiia kirgizskikh koz pridonskimi i angorskimi kozlami [Cross breeding of Kirghiz goats with Don and Angora he-goats]. Kirgizskii Nauch.-Issled. Inst. Zhivotn. Nauch. Otchët o Rabote 1941/1942: 130-133. 1944. 49.9 K63N
- 12320 BERZIN, I. A. Gormonal'nyi metod uvelicheniia mnogoplodnosti ovets [Hormonal method of increasing multiple births in sheep]. Sotsialist. Sel'sk. Khoz. 12(6): 82-83. June 1945. 281.8 So73
- 12321 BERZIN, I. A. Vyvedenie mnogoplodnykh i krupnoplodnykh smushkovykh ovets. Sotsialist. Sel'sk. Khoz. 12(6): 83-84. June 1945. 281.8 So73
- Breeding of multiple-births and large-fetus Karakul sheep at the Askaniia-Nova Institute of Hybridization and Acclimatization of Animals (Askaniia-Nova Institut Gibrizatsii i Akklimatizatsii Zhivotnykh imeni Akademika M. P. Ivanova).

12322 FONSECA, C. Pedigree nacional de ovinos. *Diario Rural* 5(527): 7; (529): 7. Nov. 3, 10, 1945. 9.9 D54

12323 HAZEL, L. N., and TERRILL, C. E. Heritability of weaning weight and staple length in range Rambouillet lambs. *J. Anim. Sci.* 4: 347-358. Nov. 1945. 49 J82

12324 MAY, E. S. "Fertility" trials with flock ewes to improve lambing percentages. Further results at Trangie Experiment Farm. *Agr. Gaz. N. S. Wales* 56: 433-436. Oct. 1, 1945. 23 M472

12325 POLIAKOV, I. I. Organizatsiia selektsionno-plemennoi raboty s vürtembergskimi ovtsami v sovkhoe "Kzyl-Oktiabr'" [Organization of pedigree breeding work with Württemberg sheep on the state farm, Kzyl-Oktiabr']. *Kirgizskii Nauch.-Issled. Inst. Zhivotn. Nauch. Otechet o Rabote* 1941/1942: 125-129. 1944. 49.9 K63N

12326 RASMUSSEN, K. Review of some range-sheep breeding projects in Canada. *Empire J. Exot. Agr.* 13: 213-223. Oct. 1945. 10 Em7

12327 TEIXEIRA CARDOSO, M. Informe con respecto al fallo del jurado en raza Merino en la Exposición Ganadera [in Uruguay]. *Diario Rural* 5(531): 12. Nov. 17, 1945. 9.9 D54

### Feeds and Feeding

12328 BRIGGS, H. M., and HELLER, V. G. Digestibility of green mungbean [*Phaseolus aureus*] seed by lambs. *J. Anim. Sci.* 4: 430-434. Nov. 1945. 49 J82

12329 EGERTON, MRS. J. R. Some winter notes for novices. *Brit. Goat Soc. Monthly J.* 38: 73-74. Dec. 1945. 40.19 B77M

Feeding and care of goats.

12330 GORB, T. Ukrepit' khoziaistvennoe polozhenie sovkhovov romanovskogo ovtshevodstva. *Sovkhov. Proizvod.* 5(4/5): 30-33. Apr./May 1945. 20 So85

Planning the pasture feeding of Romanovsk sheep on the state farms.

12331 HARPER, C. Profit from lambs follows proper feed, good management. *Natl. Live Stock Prod.* 24(4): 4, 20. Jan. 1946. 280.38 N21

12332 LOOSLI, J. K., and HARRIS, L. E. Methionine increases the value of urea for lambs. *J. Anim. Sci.* 4: 435-437. Nov. 1945. 49 J82

12333 PHILLIPS, R. W., and others. Sexual development of range ewe lambs as affected by winter feeding. *J. Anim. Sci.* 4: 342-346. Nov. 1945. 49 J82

F. F. McKenzie, J. V. Christensen, G. S. Richards, and W. K. Petterson, joint authors.

12334 RECORD, P. R. Successful feeding of sheep. *Dakota Farmer* 65(23): 14. Dec. 8, 1945. 6 D14

### Veterinary Medicine

12335 BIRUKOV, I. P. Gemo- i seroprofilaktika ovets ot ospy [Hemo- and serum prophylaxis of sheep against smallpox]. *Veterinariia* 22(7): 15-16. July 1945. 41.8 V6426

12336 DINABURG, A. G. The effect of low outdoor temperatures on the free-living stages of some common nematode parasites of sheep. *Amer. J. Vet. Res.* 6: 257-263. Oct. 1945. 41.8 Am3A

12337 GORRIE, C. J. R. Factors which cause bloating of sheep on lucerne. *Stock and Land* 35(47): 3. Nov. 21, 1945. 49 St63

12338 HARBOUR, H. E. Jaagziekte in sheep; in Scotland. *Vet. Rec.* 58: 6. Jan. 5, 1946. 41.8 V641

12339 HAZEL, L. N., and TERRILL, C. E. Effects of some environmental factors on weanling traits of range Rambouillet lambs. *J. Anim. Sci.* 4: 331-341. Nov. 1945. 49 J82

12340 HOLMAN, H. H. Studies on the haematology of sheep. V. A survey of blood pictures in sheep diseases. *J. Compar. Path. and Ther.* 55: 229-242. July 1945. 41.8 J82

12341 KOZLOV, P. G. Preparaty ol'khi pri gastroenteritakh u koz [Preparations from parts of the alder tree in the treatment of gastroenteritis in goats]. *Veterinariia* 22(7): 29-30. July 1945. 41.8 V6426

12342 LESBOUTRIES, and DRIEUX. Kystes galactogènes de la vulve chez une chèvre. *Acad. Vet. de France. B.* 18: 39-43. Feb. 1945. 41.9 R24

12343 LIKHACHEV, N. V. Gidrookis'alfuminievaia formolvaksina protiv ospy ovets [Aluminum-hydroxide-formol-vaccine against smallpox in sheep]. *Veterinariia* 22(2/3): 18-19. Feb./Mar. 1945. 41.8 V6426

12344 MARSH, H. Intestinal parasites of sheep. *Natl. Wool Grower* 36(1): 20-21, 56. Jan. 1946. 45.8 N21N

12345 MOULE, G. R. Surgical shock and acute blood poisoning following lamb marking. *Queensland Agr. J.* 61: 233-235. Oct. 1, 1945. 23 Q33

12346 OGAREV, I. Ia., and MOVIKOVA, V. Iz praktiki primeneniia odnoi vtoroi vaktainy Tsenskovskogo. *Veterinariia* 22(7): 41. July 1945. 41.8 V6426

Use of one half of Tsenskovskii's vaccine for the prevention of malignant anthrax in sheep.

12347 ORR, W. Observations on rinderpest in goats imported to Malaya. *J. Compar. Path. and Ther.* 55: 185-200. July 1945. 41.8 J82

12348 OZERSKAIA, V. N. O terapii moniezioza ovets [On Moniezia therapy in sheep]. *Veterinariia* 21(8/9): 19-20. Aug./Sept. 1944. 41.8 V6426

12349 ROBERTS, R. S., and BOLTON, J. F. A venereal disease of sheep. *Vet. Rec.* 57: 686-687. Dec. 29, 1945. 41.8 V641

12350 ROSENFELD, I., and BEATH, O. A. The elimination and distribution of selenium in the tissues in experimental selenium poisoning. *J. Nutr.* 30: 445-449. Dec. 1945. Ref. 389.8 J82  
Sheep used in the experiment.

12351 SANDERSON, C. J. How to prevent losses from pulpy kidney disease in sheep. *Land [Sydney]*, No. 1769, p. 10. Oct. 19, 1945. 23 L22

12352 SIZOV, P. V. O kolibatsellioze ovets. *Veterinariia* 21(8/9): 46-47. Aug./Sept. 1944. 41.8 V6426

Susceptibility of older lambs to scours.

12353 STAPSETH, H. J., BRYAN, C. S., and NEU, L. On the etiology of abscesses in goats. *North Amer. Vet.* 27: 22-25. Jan. 1946. 41.8 N812  
Causative organism tentatively identified as *Corynebacterium ovis*.

12354 THRELKELD, W. L. Teaching helps on four ruminant parasites. *Turtax News* 24(1): 10-17. Jan. 1946. 442.8 T86

*Haemonchus contortus*, *Trichuris ovis*, *Bunostomum trigonocephalum*, and *Oesophagostomum columbianum* in sheep.

12355 TSIVERKALOV, D. A. Poluchenie sukhoi oviny. *Veterinariia* 21(7): 17-18. July 1944. 41.8 V6426

Preparation of vaccine for smallpox in sheep.

12356 WARWICK, B. L., TURK, R. D., and BERRY, R. O. Abortion in sheep following the administration of phenothiazine. *Amer. Vet. Med. Assoc. J.* 108: 41-42. Jan. 1946. 41.8 Am3

12357 WHITLOCK, J. H. The administration of phenothiazine and hydrocarbons to sheep. *Cornell Vet.* 35: 328-332. Oct. 1945. 41.8 C81



Miscellaneous

- 12358 BARBER, H. How I fitted my lambs for Chicago. Sheep Breeder 66(1): 11. Jan. 1946. 45.8 Am31
- 12359 BROWN, M. The rest of my goat herd. Poultry Farmer [London] 113(2947): 4. Dec. 14, 1945. 47.8 F312  
Home raising.
- 12360 BUTLER, W. J. Sanitation. Mont. Wool Grower 20(1): 17. Jan. 1946. 45.8 M762
- 12361 GORDON, M. D. Should goats be tethered? Field 186: 377. Oct. 13, 1945. 10 F45
- 12362 GRAY, B. Transition in the cow country; Texas highland cattle region gives way to sheep "invasion." West. Live Stock 31(5): 39, 42. Dec. 1945. 49 W523
- 12363 HODGE, J. L. Culling the flock [of sheep]. Queensland Agr. J. 61: 236. Oct. 1, 1945. 23 Q33
- 12364 KEIFER, F. B. Shows and showing. Amer. Dairy Goat News 7(7): 3, 10. Jan. 1946. 40.18 Am34
- 12365 KIRBY, A. R. Sheep in the Teme Valley. Worcestershire Agr. Chron. 13: 217, 219. Aug. 1945. 10 W892
- 12366 LATTING, E. T. Let's have more sheep. New England Homestead 118(23): 13. Dec. 8, 1945. 6 N442
- 12367 LIEBENSTEIN, F. L. Flock [sheep] care. Hormel Farmer 9(4): 2. Dec. 15, 1945. 49 H782
- 12368 SCOTT, I. W. Production recording of milk goats as a means of increasing yields. Suitability of the dairy cattle recording scheme. Agr. Gaz. N. S. Wales 56: 465-467. Oct. 1, 1945. 23 N472
- 12369 TORBERT, W. I. Former Missouri preacher is "shown" New Mexico ranch life in the rough on visit to famous Adobe Ranch. N. Mex. Stockman 10(12): 18, 64. Dec. 1945. 49 M462  
Sheep and beef cattle.
- 12370 WIDMER, M. Goats in Switzerland. Amer. Dairy Goat News 7(7): 4. Jan. 1946. 40.18 Am34

SWINEBreeds and Breeding

- 12371 CHESTER WHITE SWINE RECORD ASSOCIATION. Minutes of the annual membership meeting, Dec. 4, 1945. Chester White J. 35(12): 4-10. Dec. 1945. 46.8 W582  
Includes suggested changes in swine classifications for State and District fairs.
- 12372 EVANS, B. R. Another great year for Durocs. Duroc News 20(1): 22-23, 134, 136-139. Jan. 1946. 46.8 N212
- 12373 HANSON, L. E. Some facts about our [type of] post-war hog. Nebr. Farmer 87(24): 4, 22. Dec. 15, 1945. 6 N27
- 12374 LOVEJOY, A. J. Importance of a good sire. Canad. Swine 7(4): 2-3. Dec. 1945. 46.8 C16
- 12375 MITCHELL, C. W. Berkshires. Amer. Farm Fouth 11(7): 24-26. Dec. 1945. 6 Am393
- 12376 SINCLAIR, R. D. A swine breeding program for western Canada. Agr. Inst. Rev. 1: 106-112, 114-115. Dec. 1945. 7 Ag6
- 12377 STEWART, H. T. The inheritance of prolificacy in swine. J. Anim. Sci. 4: 359-366. Nov. 1945. 49 J82

Feeds and Feeding

- 12378 FAIRBANKS, B. W., KRIDER, J. L., and CARROLL, W. E. Distillers' by-products in swine rations. III. Dried corn distillers' solubles, alfalfa meal, and crystalline B vitamins compared for growing-fattening pigs in drylot. J. Anim. Sci. 4: 420-429. Nov. 1945. 49 J82

- 12379 FAIRBANKS, B. W., KRIDER, J. L., and CARROLL, W. E. Effect of diet on gestation-lactation performance of sows. J. Anim. Sci. 4: 410-419. Nov. 1945. Ref. 49 J82
- 12380 HAMMER, R. Q. What comes of feeding milk solids. Amer. Hampshire Herdsman 20(12): 22. Dec. 1945. 46.8 Am33
- 12381 KORMANOVSKAIA, M. Znachenie travy v ratsionakh svinei [Significance of green feed in the rations of swine]. Sovkhoz. Proizvod. 5(4/5): 37-39. Apr./May 1945. 20 So85
- 12382 KRIDER, J. L. Swine nutrition made remarkable progress during last few years. Feed Bag 22(1): 29-30, 95. Jan. 1946. 389.78 F32
- 12383 LACEY, J. J. Alfalfa [hay] does wonders for swine profits. Equity Co-op. Livestock News 10(12): 3, 4. Dec. 1945. 280.28 Eq5
- 12384 M. Ensiling potatoes for summer feeding [of swine]. Farmers' Gaz. [Dublin] 103: 715. Dec. 1, 1945. 10 F221
- 12385 MUHRER, M. E., and HOGAN, A. G. Effect of [feeding] thioracil on growing swine. Soc. Expt. Biol. and Med. Proc. 60: 211-212. Nov. 1945. 442.9 Sol
- 12386 SHREWSBURY, C. L., and VESTAL, C. M. A comparison of different phosphate supplements for hogs and rats. J. Anim. Sci. 4: 403-409. Nov. 1945. 49 J82
- 12387 VINE, R. Successful pig feeding. New Zeal. Farmer Weekly 66(17): 7. Oct. 18, 1945. 25 N484
- 12388 W., L. H. Vitamins for pigs. Rural New-Yorker 105: 27. Jan. 5, 1946. 6 R88
- 12389 WILLMAN, J. P. Hay for hogs. Amer. Agr. 142: 541. Dec. 15, 1945. 6 Am3
- 12390 WINTROBE, M. M., and others. Nicotinic acid and the level of protein intake in the nutrition of the pig. J. Nutr. 30: 395-412. Dec. 1945. Ref. 389.8 J82  
H. J. Stein, R. H. Follis, Jr., and S. Humphreys, joint authors.

Veterinary Medicine

- 12391 DAVIDSON, H. R. Give a pig a bad name. Farmer & Stock-Breeder 59: 2056. Dec. 18, 1945. 10 F228  
Foot and mouth disease in Great Britain.
- 12392 DUNLAP, G. L. Sulfapyridine sodium administered intracardially to swine. Haver-Glover Messenger 25(11/12): 34-35. Nov./Dec. 1945. 41.8 H29  
As therapy for Actinomyces necrophorus.
- 12393 FORBUS, W. D., and DAVIS, C. L. A chronic granulomatous disease of swine with striking resemblance to Hodgkin's disease. Amer. J. Path. 22(1): 35-67. Jan. 1946. 448.8 Am39
- 12394 GRYCZ, E. W sprawie szczepień przeciw różycy świń (Sur les vaccinations contre le rougelet du porc). Med. Wet. 1: 89. July/Aug. 1945. 41.8 M463
- 12395 HINDMARSH, W. L. Enteritis of pigs. Necrotic enteritis, swine dysentery and enteritis of baby pigs. Agr. Gaz. N. S. Wales 56: 468-470. Oct. 1, 1945. 23 N472
- 12396 HUTCHINGS, L. M. A challenge to all hog men; prompt cooperative action can do much to meet a growing threat [brucellosis]. Amer. Hampshire Herdsman 20(12): 12, 31. Dec. 1945. 46.8 Am33  
Also in Chester White J. 35(12): 16-18. Dec. 1945. 46.8 W582
- 12397 JASTRZEBSKI, T. Szczepionka przeciw różycy świń wg Muromcewa (Le vaccin de Muromcew contre le rougelet du porc). Med. Wet. 1: 114-117. Sept. 1945. 41.8 M463

- 12398 KULESKO, I. I. Proizvodstvennyi opyt vaktsinatsii svinei protiv chumy dvumia vaktsinami razlichnoi stepeni oslableniia [Experiment on a large scale for vaccinating swine against plague, using two vaccines of different degrees of weakness]. Veterinariia 21(7): 18-20. July 1944. 41.8 V6426
- 12399 LEVINE, N. D., PETERSON, E. H., and GRAHAM, R. Studies on swine enteritis. II. Salmonella and other enteric organisms isolated from diseased and normal swine. Amer. J. Vet. Res. 6: 242-246. Oct. 1945. Ref. 41.8 Am3A
- 12400 MCNUTT, S. H., LEITH, T. S., and UNDERBERGER, G. K. An active agent isolated from hogs affected with arthritis (preliminary report). Amer. J. Vet. Res. 6: 247-251. Oct. 1945. 41.8 Am3A
- 12401 MARTIUSHEVSKIĬ, V. F. Lechenie enzooticheskoi bronkhopnevmonii porosiat seroi [Treatment of enzootic bronchopneumonia in young pigs with sulfur]. Veterinariia 22(7): 22. July 1945. 41.8 V6426
- 12402 NICOL, L., and MERCIER, P. Sur quelques cas d'érysipéloïde à rouget chez l'homme, dont une réinfection. Acad. Vét. de France. B. 17: 189-192. June 1944. 41.9 R24  
Discussion by Bridré, p. 192
- 12403 OSPINA O., G. Colera del cerdo; septicemia hemorrágica. Soc. Antioqueña de Agr. B. Agr., No. 311/312, p. 2534-2538. June/July 1945. 9.4 Sol
- 12404 SCHANG, P. J. Control de algunos factores en la producción del suero contra la peste porcina. Asoc. Argentina Criadores de Cerdos. Rev. 24(279): 11, 13, 15-18, 23, 25, 27-31. Nov. 1945. 46.9 As5  
Concerning the vaccine.
- 12405 SHAHAN, M. S., FRANK, A. H., and MOTT, L. O. Studies of vesicular stomatitis with special reference to a virus of swine origin. Amer. Vet. Med. Assoc. J. 108: 5-19. Jan. 1946. 41.8 Am3
- 12406 URBAIN, A. Intoxication du porc par l'ervillier (Vicia ervilia (L.) Willd.). Acad. Vét. de France. B. 18: 98-100. Apr. 1945. 41.9 R24
- 12407 WEAVER, L. A. Why swine sanitation pays. Duroc News 20(1): 98, 132. Jan. 1946. 46.8 N212  
Includes discussion of internal parasites.
- 12408 ŻYLIŃSKI, T. Przyczynę do zatrucia świń zyciorą odurzającą (Lolium temulentum) (Contribution à l'intoxication des porcs par le Lolium temulentum). Med. Wet. 1: 90. July/Aug. 1945. 41.8 M463
- Miscellaneous**
- 12409 ALL-BREED production registry established. Duroc News 20(1): 19, 152. Jan. 1946. 46.8 N212  
Under sponsorship of the National Association of Swine Records.
- 12410 BRETHORST, W. Looks may fool you - production records don't lie! Amer. Hampshire Herdsman 20(12): 18, 38. Dec. 1945. 46.8 Am33
- 12411 COMFORT, J. E. It's hog killin' time. Philfarmer, 4th Quarter, p. 3. Oct./Dec. 1945. 6 P53
- 12412 GRUMMER, R. H. Faster fitting for market hogs. Duroc News 20(1): 104, 106. Jan. 1946. 46.8 N212
- 12413 HOLLSTEIN, D. You can count your pigs before they're born. Amer. Hampshire Herdsman 20(12): 9, 20, 38. Dec. 1945. 46.8 Am33  
Care.
- 12414 JOHANNESSEN, G. Hits August market with 260-pound hogs. Prairie Farmer, Gen. Ed. 118(1): 30. Jan. 5, 1946. 6 P883  
Description of a farm.
- 12415 MURDOCK, J. W. When trouble comes. Nebr. State Bd. Agr. Ann. Rpt. 1945: 483-486. 2 N27R  
Concerning sanitation for swine and cattle.
- 12416 SALLNAS, T. Hög smärgriskvalitet en viktig faktor i fläskproduktionen; "premiergriskontrollen" ett steg i rätt riktning. Lantmannen 29: 1054-1055. Nov. 24, 1945. 11 L234  
Control in Sweden to prevent sale of young diseased pigs and also improve breeding and sanitation.
- 12417 VOITKO, D. Proizvodstvenno-zootekhnicheskaiia rabota v svinosovkhoze. Sovkhoz. Proizvod. 5 (4/5): 33-36. Apr./May 1945. 20 So85  
Swine raising on the state farm "Bol'shoe Alekseevskoe" in the Moscow region.
- 12418 WEISS, J. N. A summary of sow-testing data in Illinois. Agr. Ed. Mag. 18: 127. Jan. 1946. 275.8 Ag8  
A study in vocational agriculture.
- ENTOMOLOGY**
- GENERAL**
- 12419 ANDER, K. Die insektenfauna des baltischen bernsteins nebst damit verknüpften zoogeographischen problemen. Lunds U. Arrskr. (n. s.), pt. 2, v. 38, No. 4, 82 p. 1942. Ref. 502 L97
- 12420 BESS, H. A. A measure of the influence of natural mortality factors on insect survival. Ent. Soc. Amer. Ann. 38: 472-481. Dec. 1945. 420 En82  
Estimating how various mortality factors control insect populations.
- 12421 BROUWERIUS VAN NIDEK, C. M. C. Vangsten uit het Noorden. Ent. Ber. 11: 208. June 21, 1944. 420 N38B
- 12422 BRUES, C. T. The future of entomology. Amer. Nat. 80: 19-21. Jan. 1, 1946. 470 Am36
- 12423 BUHR, M. Ants and spiders. Ent. Rec. and J. Variation 57: 132. Dec. 1945. 421 En89  
Refers to Zodarion simida, predators of Messor dertzeni amphigea.
- 12424 GIL'AROV, M. S. Vliianie kharaktera rasseleniia na khod ontogeneza nasekomykh (Influence of the character of dispersal on the ontogenesis of insects). Zhur. Obshch. Biol. 6(1): 26-36. 1945. Ref. 442.8 Z6  
English summary.
- 12425 HASKINS, C. P. The social animal. Atlantic Monthly 177(2): 109-117. Feb. 1946. 110 At6  
Includes social insects.
- 12426 HEADSTROM, R. The vacant lot. Insect inhabitants. Organic Gard. 8(2): 51-53. Jan. 1946. 56.8 Or3
- 12427 LEMPEKE, B. J. Entomology in Holland during the war. Ent. Rec. and J. Variation 57: 133-134. Dec. 1945. 421 En89
- 12428 LLEWELLYN JONES, J. R. J. Presidential address. Ent. Soc. Brit. Columbia. Proc. 42: 24-26. Dec. 8, 1945. 420 B77  
Discusses use of scientific and popular insect names.
- 12429 MAC GILLAVRY, D. Welke insecten zijn in Nederland op den Amerikaanschen eik te vinden? Ent. Ber. 11: 180-181. Apr. 25, 1944. 420 N38B
- 12430 MILLER, W. T. The dikkop - night-time devourer of insects. Farmer's Weekly Bloemfontein, 70: 303. Oct. 17, 1945. 24 F225  
Birds and control of insects.
- 12431 NATURE and art. Nature Mag. 39: 31-32. Jan. 1946. 409.6 N214  
Insect wings as models for textile designs. Illustrations with accompanying text.
- 12432 PASS, H. A. D.D.T. - what food role for the wartime killer? Food in Canada 5(11): 11-12, 14. Nov. 1945. 389.8 F7323



12433 QUERCI, O., and ROMELI, L. Effects of the reflected solar radiation on insects. Fla. Ent. 28: 36-39. (Concl.) Nov. 1945. Ref. 420 F662  
Observations on butterflies.

12434 RAU, P. Longevity as a factor in psychic evolution. Ent. Soc. Amer. Ann. 38: 503-504. Dec. 1945. 420 En82

12435 SAUNT, J. W. Notes from the Isle of Wight. Ent. Rec. and J. Variation 57: 122-123. Nov. 1945. 421 En89

12436 SMITH, G. A. An insect surprise. Nature Mag. 39: 15. Jan. 1946. 409.6 N214  
Emergence of an ichneumonid parasite from butterfly chrysalis.

12437 SPENCER, G. J. Mental insect attacks. Ent. Soc. Brit. Columbia. Proc. 42: 15-16. Dec. 8, 1945. 420 B77

12438 SPENCER, G. J. Naphtha gasoline in insect killing bottles. Ent. Soc. Brit. Columbia. Proc. 42: 16. Dec. 8, 1945. 420 B77

12439 SPENCER, G. J. On the incidence, density and decline of certain insects in British Columbia. Ent. Soc. Brit. Columbia. Proc. 42: 19-23. Dec. 8, 1945. 420 B77

12440 STOHLER, R. Insect mounts. Turtox News 24: 23-24. Jan. 1946. 442.8 T86  
Includes diagrams.

12441 VAN EYNDHOVEN, G. L. Over eenige boeken van S. H. Berthoud en E. Candèze. Ent. Ber. 11: 198-207. June 21, 1944. Ref. 420 N385  
Refers particularly to habits and behavior of insects.

12442 VAN EYNDHOVEN, G. L. Over eenige recente publicaties met betrekking tot de lagere dierenwereld in den grond. Ent. Ber. 11: 191-193. May 21, 1944. 420 N385

12443 WILLIAMS, C. M. Continuous anesthesia for insects. Science 103: 57. Jan. 11, 1946. 470 Sc12

For use in study of insect physiology.

#### GENERAL - ECONOMIC

12444 ABBOTT, C. E. The toxic gases of lime-sulfur. (Sci. note.) J. Econ. Ent. 38: 618-620. Oct. 1945. 421 J822

12445 AMARAL, S. F. DO. Finalidades do levantamento fitossanitário. Biológico 11: 237-244. Sept. 1945. 442.8 B529

In São Paulo, Brazil.

12446 ARELLANO BONILLA, R. Queme la fruta engusanada. Honduras Agr. 1(12/13): 2. Sept./Oct. 1945. 8 H753

12447 BARTON, D. Thousands of bugs; war-time light traps have helped the territory immensely in its fight against insects of all kinds. Hawaii Farm and Home 8(11): 7, 30. Nov. 1945. 25 H3191

12448 BENLLOCH, M. Los nuevos insecticidas orgánicos. Agricultura [Madrid] 14: 511-516. Oct. 1945. 15 Ag84

12449 BERTOLINI, L. H. Metodos de lucha contra plagas hortícolas. Campo [Buenos Aires] 29(348): 58. Oct. 1945. 9 C15

Insecticides against vegetable pests.

12450 BONNET, D. D. DDT means danger. Hawaii Farm and Home 8(11): 39. Nov. 1945. 25 H3191

12451 BOYD, O. C., and BOURNE, A. I. Supply outlook for fungicides and insecticides in 1946. Mass. State Col. Ext. Mass. Com. Veg. Grower, Dec. 5, 1945. p. 6-7. 275.29 M381Mp

12452 BRUNETEAU, J. La désinfection des produits végétaux contre l'importation des insectes dangereux. Off. Internat. d'Hyg. Pub. B. Mens. 36: 471-492. Nov./Dec. 1944. 449.75 Of2

12453 BURUM, D. H. Beware of the beetle! These are the serious pests that orchid growers must guard against. Hawaii Farm and Home 8(11): 10-11. Nov. 1945. 25 H3191

12454 CALIFORNIA. DEPT. OF AGRICULTURE. BUREAU OF CHEMISTRY. Economic poisons 1944-1945. Calif. Dept. Agr. Spec. P. 213, 101 p. Sacramento, 1945. 2 C121S

12455 CARBONELL, C. Insectos contra insectos. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 432. Nov. 15, 1945. 9.9 G15B

12456 CAROLLO, J. A. The removal of DDT from water supplies. Amer. Waterworks Assoc. J. 37: 1310-1317. Dec. 1945. 292.9 Am32J

12457 CASE, A. M. Toxic effects of 2,2-bis-(p-chlorophenyl) 1,1,1-trichloroethane (D.D.T.) in man. Brit. Med. J. 1945, 2 (4432): 842-845. Dec. 15, 1945. Ref. 448.8 B77

12458 CEBALLOS, G., and DE CORDOBA, F. Los grandes problemas de la entomología forestal norteamericana. Montes 1: 106-110. May/June 1945. 99.8 M763

12459 CREIGHTON, J. T. Present status of DDT as an insecticide. Pt. 2. Citrus Indus. 27(1): 5-9, 15-17. Jan. 1946. Ref. 80 C49

12460 CURTIS, F. J., and others. Pharmaceuticals and insecticides at I. G. Farben plants, Elberfeld and Leverkusen. U. S. Dept. Com. Off. Pub. Bd. Rpt. 237, 127 p., processed. Washington, 1945? 157.8 R29

F. C. Davis, J. E. Smadel, H. Southworth, and E. H. Volwiler, joint authors.

12461 DECKER, G. C. Suggestions for use of DDT. Ill. State Hort. Soc. Ill. Hort. 34(4): 7. Nov. 1945. 80 IL66

12462 DENMARK. STATENS FORSGSGVIRKSOMHED I PLANTEKULTUR. Orienterende forsg med vintersprøjtemidler [Orientation experiments with winter-spraying materials]. Denmark. Statens Forsgsvirka. i Plante-kultur. Meddel. 371, 2 p. København, 1945. 11 D412M

12463 DETHER, V. G. The transport of insects in aircraft. J. Econ. Ent. 38: 528-531. Oct. 1945. 421 J822

12464 DOLE, K. K. Physico-chemical aspects of the application of mercury towards preservation of stored food grains. Indian Acad. Sci. Proc. Sect. B 22: 133-143. Sept. 1945. 513 In25B

Protection against insect attacks.

12465 F., H. The winter spraying of fruit trees. The value of tar oil washes.- The time to apply. Gard. Illus. 64: 716. Dec. 1945. 80 G169

12466 FARRAR, M. D. Insects in stored soybeans. Soybean Digest 6(2): 12-13. Dec. 1945. 60.38 So9

12467 FEINER, J. Using DDT in food factories for long insecticidal effect. Food Indus. 17: 1446-1449. Dec. 1945. 389.8 F737

12468 FENNAH, R. G. Preliminary tests with DDT against insect pests of food-crops in the Lesser Antilles. Trop. Agr. [Trinidad] 22: 222-226. Dec. 1945. 26 T754

12469 FLANDERS, S. E. Coincident infestations of Aonidiella citrina and Coccus hesperidum, an effect of ant activity. Citrus Leaves 26(1): 14. Jan. 1945. 80 C492

Observations of orange trees.

12470 GAYLORD, D. C. Connecticut demonstrates sheep dipping. Ext. Serv. Rev. 16: 163. Nov. 1945. 1 Ex892Ex

12471 GRANOVSKY, A. A. DDT as a horticultural insecticide. S. Dak. State Hort. Soc. Ann. Rpt. (1945) 42: 116-118. 81 So86

12472 HALL, S. A. Insecticides and fungicides at the I. G. Farbenindustrie plant, Höchst. U. S. Dept. Com. Off. Pub. Bd. Rpt. 360, 15 p., processed. Washington, 1945. 157.8 R29

- 12473 HALL, S. A. Insecticides, insect repellents, rodenticides and fungicides of I. G. Farbenindustrie A. G., Elberfeld and Leverkusen, Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 252, 48 p., processed. Washington, 1945. 157.8 R29
- 12474 HALL, S. A. Report on insecticide manufacturers in Hamburg. U. S. Dept. Com. Off. Pub. Bd. Rpt. 206, 2 p., processed. Washington, 1945. 157.8 R29
- 12475 HARLAN, W. P. Nutrition in pest control. *Citrus Leaves* 26(1): 6-7. Jan. 1946. 80 C492  
Effect of growth substances on plant resistance to insects.
- 12476 HARLEY-MASON, J. Synthetic insecticides. *Field* 186: 503. Nov. 17, 1945. 10 F45  
Refers to DDT and benzene hexachloride.
- 12477 HELY, P. C. D. D. T. as an insecticide. Result of preliminary trials. *Agr. Gaz. N. S. Wales* 56: 397-400. (Cont.) Sept. 1, 1945. 23 N472  
Tests against vegetable and citrus pests.
- 12478 HILL, K. R., and ROBINSON, G. A fatal case of D.D.T. poisoning in a child, with an account of two accidental deaths in dogs. *Brit. Med. J.* 1945, 2 (4432): 845-847. Dec. 15, 1945. 448.8 B77
- 12479 HILL, R. E. The present status of insect control in western Nebraska potato fields. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 505-508. 2 N27R
- 12480 HILL, S. C. I never have insects. *Poultry Farmer* [London, 113(2947): 9. Dec. 14, 1945. 47.3 F312
- 12481 HODSON, A. C. What you should know about D.D.T. *Milk Plant Monthly* 34(11): 39, 64. Nov. 1945. 44.8 C864
- 12482 HORACK, H. M., and others. Pharmaceuticals and insecticides. I. G. Farbenindustrie A. G., Höchst/Main. U. S. Dept. Com. Off. Pub. Bd. Rpt. 241, 38 p., processed. Washington, 1945? 157.8 R29  
P. J. Lerper, J. E. Smadel, L. M. White, and E. H. Volwiler, joint authors.
- 12483 HOUGH, W. S. Results of tests with DDT on apples in 1945 and suggestions for its use in 1946. *Va. Fruit* 34: 128-134. Jan. 1946. 81 V81B
- 12484 JONES, M. A., and PLANK, H. K. Chemical nature of the insecticidal principle in mamey [*Mammea americana*, seed. *Amer. Chem. Soc. J.* 67: 2266-2267. Dec. 1945. 381 Am33J
- 12485 KILLIFFER, D. H. Is DDT poisonous? *Sci. Amer.* 174(1): 5-7. Jan. 1946. 470 Sci25
- 12486 LÉTARD, H., and SACY, G. S. DE. Étude toxicologique du benzène hexachloré. *Soc. de Biol. Compt. Rend.* 139: 353-354. Apr. 1945. 442.9 P21
- 12487 LINCOLN, C. Livestock parasite control program. *Ark. Farmer* 47(12): 6-9. Dec. 1945. 6 Ar42
- 12488 LINDQUIST, A. W., and MCDUFFIE, W. C. DDT residual spray tests in Panama. (Sci. note.) *J. Econ. Ent.* 38: 608. Oct. 1945. 421 J822
- 12489 LOOSJES, F. E. De gevoeligheid van nederlandse insecten voor derris. *Tijdschr. over Plantenziekten* 51: 29-39. 1945. 464.8 T44
- 12490 MACLEOD, G. M. DDT or double delirium tremens. *Pests* 14(1): 12. Jan. 1946. 449.8 Ex8
- 12491 MAHER, F. A. D.D.T. (Dichlor-diphenyl-trichlorethane). *Food Front* 2(4): 5-14. Sept. 1945. 281.8 F73
- 12492 MANN, B. Hygiene problems in displaced persons camps in Germany. *Pub. Health* [London, 59: 35-36. Dec. 1945. 449.8 P96  
Includes insect control measures.
- 12493 MARKWOOD, L. N., and ARRINGTON, L. G. DDT (synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drug and Pharm., v. 3, No. 44, 3 p. Washington, 1945. Ref. 157.54 In232
- 12494 MEDBERY, H. E. The use of DDT in carbonated beverage bottling plants. *Fruit Prod. J. and Amer. Food Mfr.* 25: 112-115, 118. Dec. 1945. 389.8 F94
- 12495 MILLER, L. W. D.D.T. - the new insecticide. *Tasmanian Fruitgrower & Farmer* 21(268): 2. Oct. 20, 1945. 23 T185
- 12496 MUNSON, S. C., and YAGER, J. F. DDT-like effects from injection of other compounds into roaches [*Periplaneta americana*]. (Sci. note.) *J. Econ. Ent.* 38: 618. Oct. 1945. 421 J822
- 12497 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BRANCH. Insect pests. *Agr. Gaz. N. S. Wales* 56: 395, 396, 400, 453-454. Sept. 1, Oct. 1, 1945. 23 N472  
Contents: A pasture grub (*Aphodius howitti*), p. 395-396; The cherry aphid (*Myzus cerasi*), p. 396; Fruit flies (*Strumeta tryoni*) in loquats, p. 396, 400; Codling moth (*Cydia* [i. e. *Carpocapsa*, *pomonella*], p. 453-454.
- 12498 NUÑEZ, A. Es necesario limpiar al maíz de sus enemigos naturales. Pt. I-II. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 417, 425, 433. Nov. 1, 8, 15, 1945. 9.9 G15B  
Includes diseases and pests.
- 12499 OSORIO, J. M. Notas sobre los insectos que en Cuba atacan a la fruta bomba o papaya y medios para su dominio. *B. de Inform. Agr. del Gobierno Prov. de Las Villas* 17(130): 8-10. Oct./Dec. 1945. 8 S853
- 12500 OSORIO ROJAS, J. M. Sucesos mas importantes en la historia de la entomología económica. *Control de Plagas* 8, i. e. 7: 98-99, 107. (Cont.) Nov., Dec. 1945. 464.8 C76
- 12501 PASFIELD, G. D.D.T. as an insecticide; results of preliminary trials. *Agr. Gaz. N. S. Wales* 56: 455-456, 467. Oct. 1, 1945. 23 N472
- 12502 PAVOEK, P. L. Fumigants distributed by Degesch, A. G., Weissfrauenstrasse 9, Frankfurt, U. S. Dept. Com. Off. Pub. Bd. Rpt. 1271, 2 p., processed. Washington, 1945. 157.8 R29
- 12503 PRICE, W. A. What no bugs [on pigeons]? *Pigeon News* 51(897): 11. Dec. 1945. 47.8 P621
- 12504 SCHLOTTFELDT, C. S. Insetos encontrados em plantas cultivadas e comuns - Viçosa, Minas Gerais. *Rev. Ceres* 6: 108-127. (Cont.) Nov./Dec. 1944. 9.2 C332
- 12505 SEARL, E. M. DDT as a dairy farm insecticide. *West. Farm Leader* 11(1): 2-3. Jan. 4, 1946. 280.28 W52
- 12506 SENIOR WHITE, R. House spraying with D.D.T. and with pyrethrum extract compared: first results. *Malaria Inst. India. J.* 6: 83-93. June 1945. 448.9 M29  
To control *Anopheles* spp. in villages in India.
- 12507 SLADE, R. E. Specific poisons. *Endeavor* 4: 148-153. Oct. 1945. 472 En2  
Mainly a discussion of benzene hexachloride.
- 12508 SLOAN, W. J. S. Insect pests of grain sorghum. *Queensland Agr. J.* 61: 221-232. Oct. 1945. 23 Q33
- 12509 SMADEL, J. E., and CURTIS, F. J. Manufacture of insecticides, insect repellents, rodenticides, I. G. Farbenindustrie A. G., Leverkusen and Elberfeld. U. S. Dept. Com. Off. Pub. Bd. Rpt. 240, 12 p., processed. Washington, 1945. 157.8 R29
- 12510 SMITH, J. H. A new insecticide-D.D.T. *Queensland Agr. J.* 61: 216-220. Oct. 1945. 23 Q33
- 12511 STANSBURY, B. DDT - ! Carolina Co-op. 23(11): 11, 14, 24. Nov. 1945. 72.8 N81
- 12512 STEINER, H. M. Comparisons of phenothiazine and DDT in handling orchard pests among heavy codling moth [*Carpocapsa pomonella*] infestations of Pennsylvania. *Va. Fruit* 34: 135-153. Jan. 1946. 81 V81B



- 12513 STEINHAUS, E. A. Insect pathology and biological control. J. Econ. Ent. 38: 591-596. Oct. 1945. 421 J822
- 12514 STOHLMAN, E. F., and SMITH, M. I. The isolation of di(p-chlorophenyl) acetic acid (DDA) from the urine of rabbits poisoned with 2,2 bis(p-chlorophenyl) 1,1,1 trichloroethane (DDT). J. Pharmacol. and Expt. Ther. 84: 375-379. Aug. 1945. 396.8 J82
- 12515 SUNDGREN, G. Worth of DDT is inestimable, says manager of Kansas ranch. South. Stockman 5(12): 22. Dec. 1945. 49 So83
- 12516 TATE, H. D. Corn borers and corn rootworms. Nebr. State Bd. Agr. Ann. Rpt. 1945: 195-197. 2 N27R
- Pyrausta nubilalis; Diatraea grandiosella; Diabrotica spp.
- 12517 TATE, H. D. New insecticides and new methods of application. Nebr. State Bd. Agr. Ann. Rpt. 1945: 431-438. 2 N27R
- 12518 TURNER, N. New organic insecticides. Chron. Bot. 9: 92-94. Autumn 1945. Ref. 450 C46
- Refers mainly to DDT.
- 12519 VORHIES, C. T., and WEHRLE, L. F. A "fog" or aerosol applicator for DDT. Science 102: 648. Dec. 21, 1945. 470 Sci2
- 12520 WHITE, H. R., and GRAFFEO, M. L. Use of DDT in the field. Hosp. Corps Q. 18(12): 37-39. Dec. 1945. 153.45 Un3
- U. S. Navy's efforts to control insects.
- 12521 WICHMANN, H. Om kornskadedyrene og Kornskadedyrskomiteen. On grain pests and the Grain Pest Committee. Tidsskr. for Landøkonomi, No. 9, p. 394-402. Sept. 1945. 11 T43
- 12522 WING, A. S. We review findings on DDT to bring you up to date on this new wonder insecticide. Better Fruit 40(6): 3, 6, 11. Dec. 1945. 80 B46
- 12523 WOODMAN, L. H. Here are the facts on DDT. Amer. Restaurant Mag. 29(12): 91-93. Dec. 1945. 389.2538 Am3
- 12524 ZIMMERN, A. Hutch sanitation & pest control. Chapter 1: D.D.T. Internatl. Com. Rabbit J. 3(26): 27-30. Dec. 1945. 40.28 In5
- Warns against use of DDT near rabbits.
- APICULTURE AND APIS MELLIFERA
- 12525 ALLEN, W. R. To paint or not to paint [bee hives]. Gleanings Bee Cult. 74: 22. Jan. 1946 424.8 G47
- 12526 BALDENSPERGER, P. J. 95 ans d'apiculture. Soc. d'Apic. des Alpes-Maritimes B. 22: 6-12; 23: 2-5 27-31, 43-48, 56-59. Jan./Mar. 1943, Jan./Mar., Apr./June, July/Sept., Oct./Dec. 1944. 424.9 Sol5
- 12527 BIRCH, A. H. W. Two uses for a bottom board. Gleanings Bee Cult. 74: 20. Jan. 1946. 424.8 G47
- 12528 BRAUN, E. Canadian Beekeepers' Council meeting. West. Canada Beekeeper 9: 3-4. Jan. 1946. 424.8 W525
- 12529 BRETON Y NEWHALL, O. S. Curiosidades de las abejas. Campo [Buenos Aires] 29(348): 58. Oct. 1945. 9 C15
- 12530 BUTLER, C. G. Controlled pollination [honeybees as agents]. Countryman 32: 240-241. Winter 1945. 281.28 C832
- 12531 BUTLING, G. A. Kootenay honey ranks high in Canada. West. Canada Beekeeper 9: 8-9. Jan. 1946. 424.8 W525
- Apiculture in British Columbia.
- 12532 CABO DE VILA PARODI, L. Construcción de los panales. Mundo Avic. 8(93): 40, 42, 44, 46. Nov. 1945. 47.8 M92
- Includes the secretion of wax by the honeybee.
- 12533 CARTER, G. A. Density and viscosity in relation to honey. Bee Craft 28: 3. Jan. 1946. 424.8 B3925
- 12534 CARTER, G. A. Fruit sprays and bees. Gleanings Bee Cult. 74: 9. Jan. 1946. 424.8 G47
- 12535 CLARIDGE, F. M. Applying methyl salicylate for acarine disease [Acarapis woodi]. Beekeeping 12: 4-5. Jan. 1946. 424.8 B3991
- 12536 CLOUT, G. A. Acarine disease [Acarapis woodi]. Bee World 27: 3. Jan. 1946. 424.8 B399
- 12537 CLOUT, G. A. The value of methyl salicylate in acarine [Acarapis woodi]. Bee Craft 28: 2. Jan. 1946. 424.8 B3925
- 12538 COTTMAN, C. E. Co-operation for production [of beekeepers in Victoria]. Austral. Bee J. 26: 160-161. Nov. 1945. 424.8 V66
- 12539 DEYELL, M. J. Southern States Beekeepers' Federation meeting. Gleanings Bee Cult. 74: 44-45, 53. Jan. 1946. 424.8 G47
- 12540 EAST, MRS. L. W. The future of beekeeping. West. Canada Beekeeper 9: 15, 17. Jan. 1946. 424.8 W525
- 12541 EVANS, M. B. British bee boss says it with flowers. Saskatchewan Farmer 37(1): 2. Jan. 2, 1946. 7 Sa74
- Bees directed to specific flowers.
- 12542 FORSTER, I. The honey bee as a pollinator. New Zeal. Beekeeper 7(4): 23-24. Oct. 1945. 424.8 N483
- 12543 FROW, R. W. Acarine disease [Acarapis woodi]. Bee Craft 27: 99. Dec. 1945. 424.8 B3925
- 12544 GALE, A. W. Another view of beekeeping [for the beginner]. Countryman 32: 225. Winter 1945. 281.28 C832
- 12545 GAMBLE, R. While the bees rest there are still a few odd jobs for the bee-keeper to do. Smallholder 74(1864): 11. Dec. 7. 1945. 10 Sm1
- 12546 GILES, J. S. Bee keeping notes. Worcestershire Agr. Chron. 13: 221, 223. Aug. 1945. 10 W892
- 12547 GOODACRE, W. A. Recent development of the industry. Agr. Gaz. N. S. Wales 56: 416-418. Sept. 1, 1945. 23 N472
- Migratory beekeeping makes possible the operation of increased number of colonies; the importance of ripening honey.
- 12548 GRIMMOND, D. A new heather honey press. Scot. Beekeeper 21: 150. Dec. 1945. 424.8 Sco8
- 12549 HAMILTON, R. P. Onions need bees [for pollination]. Gleanings Bee Cult. 74: 23. Jan. 1946. 424.8 G47
- 12550 HAMMOND, O. G. Cranberries and honey. Gleanings Bee Cult. 74: 20. Jan. 1946. 424.8 G47
- Honeybees as pollinators.
- 12551 HANES, H. H., and STURM, H. P. Uninclosed bee colony. J. Econ. Ent. 38: 623. Oct. 1945. 421 J822
- 12552 HARRISON, C. M., KELTY, R. H., and BLUMER, C. Honeybees and legume seed production. Mich. Agr. Expt. Sta. Q. B. 28: 85-89. Nov. 1945. 100 M588
- 12553 HEPLER, J. R. Bee story. New England Homestead 118(23): 16. Dec. 8, 1945. 6 N442
- Honey yields in New Hampshire.
- 12554 HOLST, E. C. A simple field test for American foulbrood. Gleanings Bee Cult. 74: 6-7. Jan. 1946. 424.8 G47
- Same text in Beekeepers Item 30: 11-12. Jan. 1946. 424.8 B397; Beekeepers' Mag. 8(6): 19-20. Jan. 1946. 424.8 M58; Canad. Bee J. 54: 5-6. Jan. 1946. 424.8 C16.

- 12555 KOVAC, V. Honey is not all money. Beekeepers' Mag. 8(6): 11-12. Jan. 1946. 424.8 M58  
Apiculture as an occupation.
- 12556 KULASH, W. M. DDT and "control" of honeybees [*Apis mellifera*]. (Sci. note.) J. Econ. Ent. 38: 609-610. Oct. 1945. 421 J822
- 12557 LEAL, A. Abelles e reumatismos. Chacaras e Quintais 72: 439-440. Oct. 15, 1945. 9.2 C34  
Bee venom as a remedy.
- 12558 LEWITT, F. J. A few questions for the consideration of appliance manufacturers. Bee Craft 28: 4. Jan. 1946. 424.8 B3925
- 12559 MACDONALD, D. W. Beekeepers ask tax relief. Family Herald and Weekly Star 76(52): 6. Dec. 26, 1945. 7 F21  
Refers to sales tax on beekeeping equipment.
- 12560 MACRAE, F. B. Some notes on Central African bee-keeping. Brit. Bee J. 73: 333-334; 74: 3-5. 9. Dec. 13, 1945, Jan. 3, 10, 1946. 424.8 B77  
*Apis adansonii*, *A. unicolor*, *A. intermissa*.
- 12561 "MANY gain substantial revenue from their apiaries." By Gubeshe. Farmer [Pietermaritzburg] 34(49): 14. Dec. 7, 1945. 24 F227  
Advice to the beginner in beekeeping.
- 12562 MAURIZIO, A. Etudes scientifiques Suisse (Liebefeld-Berne). Soc. d'Apic. des Alpes-Maritimes B. 23: 9-11. Jan./Mar. 1944. 424.9 S615  
Contents: I. Abeilles avec des taches de pollen sur le thorax; II. Le lierre [*Hedera helix*], fournisseur de nectar à l'automne.
- 12563 MESNARD, L. Le miel, aliment-médicament. Acad. Vét. de France. B. 17: 172-182. June 1944. 41.9 R24
- 12564 METCALF, H. E. L. Methyl salicylate for the treatment of *Acarapis woodii*. Bee Craft 27: 99. Dec. 1945. 424.8 B3925
- 12565 MOFFIT, G. M. Parthenogenesis in honey bees. West. Canada Beekeeper 9: 6. Jan. 1946. 424.8 W525
- 12566 MOORE, E. A nature study; the honey bee. Marit. Farmer and Co-op. Dairyman 51(6): 9. Dec. 18, 1945. 7 G77
- 12567 MOORE EDE, W. E. Bee behaviour in foraging. Scot. Beekeeper 22: 7. Jan. 1946. 424.8 S608
- 12568 MORISON, D. L. Trends in the beekeeping industry. Agr. Gaz. N. S. Wales 56: 460-462. Oct. 1, 1945. 23 N472
- 12569 MORISON, D. S. Problem of pollen substitutes. Austral. Bee J. 26: 173, 175-176. Dec. 1945. 424.8 V66
- 12570 MULLICK, N. P. Merits of bee-keeping. Indian Bee J. 7: 167-168. Nov./Dec. 1945. 424.8 In2
- 12571 MUTTOO, R. W. Proposals submitted for the consideration of the I. C. A. R. Imperial Council of Agricultural Research; Bee Committee, 1945. Indian Bee J. 7: 163-166, 168. Nov./Dec. 1945. 424.8 In2
- 12572 ORR, L. E. A one-time beginner looks back. Beekeepers Item 30: 20-22. Jan. 1946. 424.8 B397
- 12573 OSTER, S. Co-operative pollination system in South Okanagan believed first in world. Country Life [Vernon] 29(10, i.e. 12): 25. Dec. 1945. 7 C832  
To encourage bee pollination.
- 12574 PARKER, R. L. Beekeeping instruction offered by Kansas State College, Manhattan, Kans. Gleanings Bee Cult. 74: 27. Jan. 1946. 424.8 G47  
For service and ex-service men.
- 12575 PATTERSON, R. G. Improving the honey bee? Scot. Beekeeper 22: 6. Jan. 1946. 424.8 S608
- 12576 PIRKEY, C. H. Bottom as well as top entrance is needed. Gleanings Bee Cult. 74: 25. Jan. 1946. 424.8 G47
- 12577 REA, G. H. Tennessee [and apiculture]. Gleanings Bee Cult. 74: 14-15. Jan. 1946. 424.8 G47
- 12578 ROCK, H. J. Nosema is puzzle. West. Canada Beekeeper 9: 19. Jan. 1946. 424.8 W525
- 12579 ROHLF, J. A. We've got to have more bees! Farm J. 70(1): 21. Jan. 1946. 6 F2212  
Importance as pollinators.
- 12580 ROOT, E. R. Eighty years among the bees. Gleanings Bee Cult. 74: 26. (Cont.) Jan. 1946. 424.8 G47
- 12581 ROOT, E. R. The hope of DDT; heavy losses of bees through the ignorant and careless use of arsenicals for spraying. Gleanings Bee Cult. 74: 16-17. Jan. 1946. 424.8 G47
- 12582 ROWE, T. J. Moving bees without screens. Gleanings Bee Cult. 74: 40-41. Jan. 1946. 424.8 G47
- 12583 SJÖGREN, S. J. Das anpassungsvermögen des bienenstaates. Lunds U. Arrskr. (n. s.), pt. 2, v. 36, No. 7, 15 p. 1940. 502 L97
- 12584 SMELLIE, E. Handy type of bee veil. New Zeal. J. Agr. 71: 509. Nov. 1945. 23 N48J
- 12585 STARNES, H. T. Science in beekeeping. Beekeepers Item 30: 13-14. Jan. 1946. 424.8 B397
- 12586 STEPHEN, W. A. The use of bee stings. West. Canada Beekeeper 9: 12. Jan. 1946. 424.8 W525
- 12587 T., Y. S. And stingless bees [cross between Carniolan and Italian strains]. Countryman 32: 241-242. Winter 1945. 281.28 C832
- 12588 TOMES, J. E. Moulded hives [made of asbestos cement]. Bee Craft 27: 96-98. Dec. 1945. 424.8 B3925
- 12589 TONTZ, C. Modern hives boost honey yield. Rural New-Yorker 105(5611): 37. Jan. 5, 1946. 6 R88
- 12590 TURNBULL, W. H. History of the use of bee repellents in orchard sprays in the Okanagan Valley of British Columbia. Ent. Soc. Brit. Columbia. Proc. 42: 7-8. Dec. 8, 1945. 420 B77
- 12591 WEBER, L. G. Habitos de la abeja. Mun-do Avic. 8(93): 38-39. 58. Nov. 1945. 47.8 M92
- 12592 WHITEBY, J. Observation of a bee hive. Pacific Rural Press, North. Ed. 151(1): 2. Jan. 5, 1946. 6 F112
- 12593 WONDERS of bee life seen at close range. By Gubeshe. Farmer [Pietermaritzburg] 34(46): 14. Nov. 16, 1945. 24 F227
- 12594 WOOD, C. W. Looking backward. Gleanings Bee Cult. 74: 18-19. Jan. 1946. 424.8 G47  
Legends relating to apiculture.
- 12595 WOODSON, A. P. Beekeeping does pay. Gleanings Bee Cult. 74: 1-2. Jan. 1946. 424.8 G47

#### Colony Management

- 12596 CRADDOCK, P. G. Bee hives require winter protection. Pa. Grange News 42(9): 6. Dec. 1945. 6 P38
- 12597 GIBBS, E. A. Swarming of *Apis indica*. Indian Bee J. 7: 160-162. Nov./Dec. 1945. 424.8 In2
- 12598 MCKINNON, J. A. Successful method queen grafting. Canad. Bee J. 54: 8. Jan. 1946. 424.8 C16
- 12599 PEASE, C. H. A queen rearing experiment. Gleanings Bee Cult. 74: 10-11. Jan. 1946. 424 G47
- 12600 PRATT, L. H. A recommended method of producing heather combs (almost infallible). Bee Craft 28: 4-5. Jan. 1946. 424.8 B3925



- 12601 RIZGA, P. Reserve queens. *Bee World* 27: 2. Jan. 1946. 424.8 B399
- 12602 ROWLAND, M. J. Swarms hive themselves. *Canad. Bee J.* 54: 9. Jan. 1946. 424.8 C16
- 12603 SMELLIE, E. Swarm control and replacement of poor queens. *New Zeal. J. Agr.* 71: 531-532. Nov. 1945. 23 N48J
- 12604 STANKOWSKI, S. J. The embargo on imported queens. *Bee Craft* 28: 2-3. Jan. 1946. 424.8 B3925
- 12605 STEWART, R. A few words on making increase. *New Zeal. Beekeeper* 7(4): 30-31. Oct. 1945 424.8 W483
- 12606 TOWNSEND, G. F. Preparation of colonies for winter. *West. Canada Beekeeper* 9: 7. Jan. 1946. 424.8 W525
- 12607 WERTHEIN, I. La enjambrazón: nudo gordiano de la apicultura racional. *Asoc. Rural del Uruguay. Rev.* 72(10): 78-80. Oct. 1945. 9.9 As5
- 12608 WRIGHT, P. H. Rambling observations of 1945. *West. Canada Beekeeper* 9: 10-11. Jan. 1946. 424.8 W525
- Cellar vs. outdoor wintering.
- See also Honey and Beeswax in Agricultural Products section.
- ARACHNIDA, MYRIAPODA, ETC.
- 12609 ANASTASIA, P. La esquila y las balneaciones. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 407. Oct. 25, 1945. 9.9 G15B
- Control of sheep mange.
- 12610 ANASTASIA, P. Perjuicios que ocasiona la sarna ovina. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 415. Nov. 1, 1945. 9.9 G15B
- 12611 ARTHUR, D. R. Hatching of the egg of *Ixodes ricinus* L. *Nature [London]* 156: 538. Nov. 3, 1945. 472 N21
- 12612 BAKER, E. W. Scheloribates chauhani, a new species of oribatid mite from India (Acarina: Ceratozetidae). *Wash. Acad. Sci. J.* 35: 386-388. Dec. 15, 1945. 500 W276J
- 12613 BIRTH of a scorpion; female scorpion becomes the mother of 30 live young ones. *Life* 20(2): 108, 111. Jan. 14, 1946. 280.8 L62
- Illustrations with accompanying text.
- 12614 BLAUVELT, W. E. Azobenzene treatment red spider *Tetranychus telarius*, on roses. *Canad. Florist* 41: 7-8. Jan. 5, 1946. 80 C163
- 12615 BROWN, J. C. A probable agent *Argas miniatus*, for the transmission of fowl paralysis. (Abs.) *Tex. Acad. Sci. Proc. and Trans.* (1944) 28: 97-98. 1945. 500 T31
- 12616 CHAMBERLIN, R. V., and IVIE, W. On some Nearctic mygalomorph spiders. *Ent. Soc. Amer. Ann.* 38: 549-558. Dec. 1945. 420 En82
- Includes n. spp. in: *Microhexura* 2; *Evagrus*; *Pachylomerides*.
- 12617 CLOUDSLEY-THOMPSON, J. L. Behaviour of the common centipede *Lithobius forficatus*. *Nature [London]* 156: 537-538. Nov. 3, 1945. 472 N21
- 12618 COOPER, L. H. Sodium selenate control of red spider *Tetranychus telarius*, on carnations. *Canad. Florist* 40: 393. Nov. 20, 1945. 80 C163
- 12619 DE KOCK, G. Tick infestation as an aetiological factor in diseases of unknown origin among cattle. *So. African Vet. Med. Assoc. J.* 16: 65-69. Sept. 1945. 41.8 So8
- 12620 DOVROVOL'SKIY, B. V., and TIKHOMIROV, F. K. Afu-chach [Bear's hair]. *Veterinariya* 21(7): 33. July 1944. 41.8 V6426
- Preparations for the treatment of mange in live-stock are made from the roots of a species of *Prangos*.
- 12621 EXLINE, H. Spiders of the genus *Conopistha* (Theridiidae, Conopisthinae) from northwestern Peru and Ecuador. *Ent. Soc. Amer. Ann.* 38: 505-528. Dec. 1945. Ref. 420 En82
- Includes n. spp: *C. cordillera*; *C. rorerae*; *C. manta*.
- 12622 FERNÁNDEZ, C. M. El polisulfuro de calcio en la lucha contra la sarna ovina. No perjudica la lana. Es eficaz, inocuo y barato. *Uruguay. Min. de Ganad. y Agr. B. Mens.* 28: 299-332. July/Sept. 1945. 41.9 Ur8
- Caused by *Psoroptes ovis*.
- 12623 GARLICK, N. L. An isolated external parasite causing serious damage and loss in fur pelts. *Amer. Fur Breeder* 18(5): 8, 10. Nov. 1945. 410 Am33
- Caused by an unidentified mite.
- 12624 GRAHAM, B. E., and KUIZENGA, M. H. Toxicity studies on benzyl benzoate and related benzyl compounds. *J. Pharmacol. and Expt. Ther.* 84: 358-362. Aug. 1945. 396.8 J82
- For control of mange in animals.
- 12625 GUILHON, J., and FORESTIER, E. Une nouvelle et grave épizootie de gale bovine. *Acad. Vét. de France. B.* 18: 154-160. May 1945. 41.9 R24
- Caused by *Sarcoptes* and *Psoroptes*.
- 12626 INSTRUCCIONES para combatir la sarna ovina. Pts. I-III. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 418, 427, 435. Nov. 1, 8, 15, 1945. 9.9 G15B
- Caused by *Psoroptes ovis*.
- 12627 ISHUKOV, G. KH., and ISHUKOVA, F. A. Rol'pastbishchnykh kleshchei iz roda *Dermacentor marginatus* v epizootologii infektsionnogo entsfalomielita loshadei [Role of pasture ticks of the species *Dermacentor marginatus* in the epizootiology of infectious encephalomyelitis in horses]. *Veterinariya* 22(4/5): 17-21. Apr./May 1945. 41.8 V6426
- 12628 KHATIN, M. G. Tiosul'fat natriya i bisul'fat natriya v terapii chesotki [Sodium thiosulfate ( $\text{Na}_2\text{S}_2\text{O}_3$ ) and sodium bisulfate ( $\text{NaHSO}_4$ ) in mange therapy]. *Veterinariya* 21(5/6): 33-35. May/June 1944. 41.8 V6426
- 12629 LAGEREVA, M. G. O sposobakh i sredstvakh lecheniya chesotki sel'skokhozyaistvennykh zhivotnykh [Concerning methods and remedies in the treatment of mange of agricultural animals]. *Veterinariya* 21(7): 13-17; 22(2/3): 7-10. July 1944, Feb./Mar. 1945. 41.8 V6426
- 12630 MANWARING, W. H. Vectors of tsutsugamushi disease (scrub typhus). *Calif. and West. Med.* 63: 210. Nov. 1945. 448.8 C12
- Trombicula fletcheri* is principal vector in New Guinea area.
- 12631 MORDOVIN, S. V. Gidroterapiya chesotki u loshadei [Hydrotherapy of mange in horses]. *Veterinariya* 22(2/3): 5-6. Feb./Mar. 1945. 41.8 V6426
- 12632 OMER-COOPER, J., and WHITNALL, A. B. M. An arsenic-resistant tick *Boophilus annulatus decoloratus*. *Nature [London]* 156: 450-451. Oct. 13, 1945. 472 N21
- 12633 PALIMPSESTOV, M. A. Po povodu lokal'nogo metoda lecheniya chesotki [Concerning the localized method of mange treatment]. *Veterinariya* 22(2/3): 11-12. Feb./Mar. 1945. 41.8 V6426
- 12634 SMITH, C. N., and GOUCK, H. K. DDT to control ticks *Amblyomma americanum*; *Dermacentor variabilis* on vegetation. *J. Econ. Ent.* 38: 553-555. Oct. 1945. 421 J822
- 12635 SOARES, B. A. M., and SOARES, H. E. M. Um novo género *Wygodzinskya viridiornata* n. g., n. sp.; e dois aloptipos de "Gonyleptidae" (Opiliones). *Rev. Bras. de Biol.* 5: 339-343. Sept. 1945. 442.8 R326

- 12636 SOUZA-ARAÚJO, H. C. DE., and MIRANDA, R. N. Poderá o carrapato transmitir a lepra? Inst. Oswaldo Cruz, Mem. 37: 391-425. 1942. Ref. 448.9 In74  
Experiments with *Boophilus annulatus microplus* and *Amblyomma cajennense*.
- 12637 STEFANSKI, W. W sprawie odkażania stajni, wybiegów i przedmiotów, stykających się z zwierzętami kofmi. Działanie czynników chemicznych na zwierzębce in vitro (Sur la question de désinfection des écuries, harnais et des objets se trouvant en contact immédiat avec les chevaux galleux). Med. Wet. 1: 57-61. July/Aug. 1945. 41.8 M463  
French summary.  
Methods for removal of Sarcopotes.
- 12638 TORRES NEGREIRA, E. (HLJO). La lucha contra la sarna ovina. Diario Rural 5(531): 10. Nov. 17, 1945. 9.9 D54
- 12639 TSITSIN, N. V., CHERKASSKIY, E. S. Klassifikatsiya drevesno-smol'nykh kreolinov, ikh massovoe primeneniye pri chesotochnykh zabolovaniyakh zhivotnykh i vliyeniye na kachestvo shersti [Classification of wood-resin creolins, their mass utilization in many diseases of animals and their effect on the quality of the wool]. Veterinariya 22(4/5): 23-28. Apr./May 1945. 41.8 V6426
- 12640 VAN MARLE, G. S. Aantasting van begonia's door mijten, behoorende tot het geslacht Tarsonemus Can. et Fanz. Tijdschr. over Plantenziekten 50: 25-44. 1944? Ref. 464.8 T44
- 12641 VORONOV, D. L. Lokal'noye lecheniye chesotki loshadei i krupnogo rogatogo skota [Localized treatment of mange in horses and in large horned cattle]. Veterinariya 21(7): 10-13. July 1944. 41.8 V6426
- COLEOPTERA
- 12642 ARTHUR, D. R. On the ecology of the wireworm *Dolopius marginatus* L. (Col., Elateridae) in the South Wales Province. Ent. Monthly Mag. 18: 274. Dec. 1945. 421 En86  
Gives diagram omitted from his article in Ent. Monthly Mag. 18: 205-212. Sept. 1945.
- 12643 BERNET KEMPERS, K. J. W. De larven der Helodidae (Cyphonidae). Tijdschr. v. Ent. 86: 85-91. 1943, pub. 1944. 421 T21
- 12644 BERNET KEMPERS, K. J. W. De larven der in Nederland voorkomende Hydrophilidae. Ent. Ber. 11: 165-168. Mar. 25, 1944. 420 N38B
- 12645 BERNET KEMPERS, K. J. W. Een aanteekening over Cerambycidae. Ent. Ber. 11: 190-191. May 21, 1944. 420 N38B
- 12646 BLAKE, D. H. Nine new species of Metachroma (Coleoptera) from the West Indies. Wash. Acad. Sci. J. 36: 22-27. Jan. 15, 1946. 500 W276J
- 12647 BURR, M. The foetid Arum [orientale] and insects. Ent. Rec. and J. Variation 57: 130. Dec. 1945. 421 En89  
Refers to *Saprinus nitidulus*.
- 12648 COON, B. F. Duplicating Japanese beetle *Popillia japonica*, injury in field corn. (Sci. note.) J. Econ. Ent. 38: 604-605. Oct. 1945. 421 J822
- 12649 CRISTOBAL, U. L. "Gusanos blancos" de las sementeras. Buenos Aires y La Pampa, No. 82, p. 17-19. Oct. 1945. 9 B868  
Refers to various scarabaeid larvae.
- 12650 CURRAN, C. H. Insects in the house: spider beetles *Gibbium psylloides*. Nat. Hist. 55(1): 46. Jan. 1946. 500 N483J
- 12651 DE JONG, C. Twee coleopterologische notities. Ent. Ber. 11: 194-196. May 21, 1944. 420 N38B  
Refers to *Cerambyx longicollis* and *Anthia decemguttata degeeri* n. ab.
- 12652 DUFFY, E. A. J. A teratological specimen of the larva of *Melandrya caraboides* L. (Col., Melandryidae). Ent. Monthly Mag. 81: 278. Dec. 1945. 421 En86
- 12653 EBELING, W. DDT for control of the grape bud beetle *Glyptotendris squamulata*. (Sci. note.) J. Econ. Ent. 38: 600. Oct. 1945. 421 J822
- 12654 GILMORE, J. U., and LEVIN, C. Effect of ferric dimethyl dithiocarbamate on emergence of tobacco flea beetles *Epitrix hirtipennis*. (Sci. note.) J. Econ. Ent. 38: 599-600. Oct. 1945. 421 J822
- 12655 GLENN DENNING, R. Population counts of potato flea beetles *Epitrix* spp. at Agassiz and Chilliwack, B.C. Ent. Soc. Brit. Columbia. Proc. 42: 2. Dec. 8, 1945. 420 B77
- 12656 HARVEY, E. N. Note on the red luminescence and the red pigment of the "railroad worm" *Phrixothrix*. J. Cell. and Compar. Physiol. 26: 185-187. Dec. 1945. 448.8 J822
- 12657 HATCH, M. H. Three Silphidae in British Columbia. Ent. Soc. Brit. Columbia. Proc. 42: 14. Dec. 8, 1945. 420 B77  
*Silpha trituberculata*; *Nicrophorus nigritus*; *N. hybridus*.
- 12658 HILL, R. E. Timing insecticide applications for flea beetle *Epitrix tuberis* control on potatoes. Nebr. State Bd. Agr. Ann. Rot. 1945: 508-511. 2 N27R
- 12659 HOPPING, G. R. A new subspecies of *Monochamus notatus* *M. notatus morgani* (Coleoptera: Cerambycidae). Ent. Soc. Brit. Columbia. Proc. 42: 17-19. Dec. 8, 1945. 420 B77
- 12660 KELSHEIMER, E. G. Notes on the great elm leaf beetle *Monocasta coryli*. Fla. Ent. 28: 25-27. Nov. 1945. 420 F662
- 12661 LAST, R. R. *Euconus* (*Napochus*) *murielae* sp. n., a new British scydmaenid (Col.). Ent. Monthly Mag. 81: 275. Dec. 1945. 421 En86
- 12662 LEECH, H. B. *Agabus confertus* eating chironomid larvae (Coleoptera, Dytiscidae, Diptera). Ent. Soc. Brit. Columbia. Proc. 42: 18. Dec. 8, 1945. 420 B77
- 12663 MACDONALD, D. W. Britain battles the potato beetle *Leptinotarsa decemlineata*. Family Herald and Weekly Star 76(46): 6. Nov. 14, 1945. 7 F21
- 12664 MAC GILLAVRY, D. Hoe maken boktorren [*Aromia moschata*] hun geluid? Ent. Ber. 11: 185-188. May 21, 1944. 420 N38B
- 12665 MAC GILLAVRY, D. Onze drietand. Een opwekking voor amateur-entomologen. Ent. Ber. 11: 181. Apr. 25, 1944. 420 N38B  
Observations on *Typhaeus typhaeus*.
- 12666 PATTON, R. L. Insect damage to nylon. J. Econ. Ent. 38: 522-523. Oct. 1945. 421 J822  
Carpet beetles especially *Anthrenus verbasci*.
- 12667 RAM, G. A study on the life cycle of *Bruchus analis* Feb. [i. e. Feb.], the common pulse beetle. Cur. Sci. 14: 273-274. Oct. 1945. 475 Sci23
- 12668 ROMAN, E., and BAUD, C. A. Dégâts causés à un bloc de paraffine par un insecte du genre *anthrene* [*Anthrenus verbasci*] (coléoptères, dermestides). B. d'Hist. Appl. 22: 26-29. Jan. 1945. Ref. 440.8 B87
- 12669 SAYLOR, L. W. Synoptic revision of the United States scarab beetles of the subfamily Dynastinae, No. 1-2. Wash. Acad. Sci. J. 35: 378-386; 36: 16-21. Dec. 15, 1945, Jan. 15, 1946. Ref. 500 W276J  
Contents: No. 1: Tribe Cyclocephalini; No. 2: Tribe Oryctini (part).



12670 SCHNEIDER, F. Schaden und bekämpfung des reifenfallkäfers [Adoxus obscurus]. Schweiz. Z. f. Obst- u. Weinbau 54: 411-414. Nov. 10, 1945. 80 Sch9

12671 SMITH, G. S. Calosoma lugubre in Quebec (Coleoptera, Carabidae). Ent. Soc. Brit. Columbia. Proc. 42: 23. Dec. 8, 1945. 420 B77

12672 SMITH, G. S. Collecting Neoclytus provanus and N. balteatus (Coleoptera, Cerambycidae). Ent. Soc. Brit. Columbia. Proc. 42: 28. Dec. 8, 1945. 420 B77

12673 TANNER, V. M. A new species of Araeoschizus [A. airmeti] (Coleoptera-Tenebrionidae). Great Basin Nat. 6: 125-126. Nov. 15, 1945. 410 G79

12674 UPTON, R. G. Bark beetles of the pines of Stephen F. Austin State Teachers College. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 100-102. 1945. 500 T31

12675 UYTENBOOGAART, D. L. Mededeelingen over Nederlandsche Coleoptera. Ent. Ber. 11: 188-190. May 21, 1944. 420 N38B

12676 VAN KREFTEN, T. O. Fourageren mestkevers [Geotrupes stercorosus, paddestoelen? Ent. Ber. 11: 162-165. Mar. 25, 1944. 420 N638B

12677 WIESMANN, R., and FENJVES, P. Die Überwinterung des Apfelblütenstechers. (Anthonomus pomorum L.) Schweiz. Z. f. Obst- u. Weinbau 53: 396-401, 417-421. (Concl.) Oct. 28, Nov. 11, 1944. 80 Sch9

## DIPTERA

12678 ALBUQUERQUE, D. DE O. Descrição do alótipo macho de Fannia petrochiae Shannon & Del Ponte, 1926 e notas sobre a fêmea (Diptera, Muscidae). Brazil. Mus. Nac. B. Nov. Sér. Zool., No. 41, 4 p. Oct. 15, 1945. 516 R47Bz

12679 ALBUQUERQUE, D. DE O. Sobre Fannia trimaculata (Stein, 1897) Malloch, 1913. (Diptera, Muscidae). Brazil. Mus. Nac. B. Nov. Sér. Zool., No. 34, 11 p. Apr. 5, 1945. 516 R47Bz

12680 ALEXANDER, C. P. New Nearctic crane-flies (Tipulidae, Diptera), part XXIV. Canad. Ent. 77: 140-144. Aug. 1945. 421 C16

Four new spp. in Tipula.

12681 BELTRÁN, E. Cutaneous leishmaniasis in Mexico. Lab. Digest 9(7): 1-5. Dec. 1945. 448.8 I11

Flebotomus as probable vector.

12682 BLAKESLEE, E. B. DDT surface sprays for control of stablefly [Stomoxys calcitrans] breeding in shore deposits of marine grass. J. Econ. Ent. 38: 548-552. Oct. 1945. 421 J822

12683 BORG, A. Sparriefluganettförvart land nytt skadedjur [The asparagus fly (Platyparea poeciloptera Schrk), a pest new to our country]. Föredrag och Forskning 2: 143-144. Sept. 1945. 11 F77

12684 BUCKELL, E. R., and SPENCER, G. J. A preliminary list of the flesh flies of British Columbia (Diptera: Sarcophagidae). Ent. Soc. Brit. Columbia. Proc. 42: 6. Dec. 8, 1945. 420 B77

12685 CORRÊA, O. A gasterofilóse equina no Rio Grande do Sul. Rio Grande do Sul. Sec. de Estado dos Negócios da Agr., Indus. e Com. [B.], Ser. B, No. 115, 38 p. Porto Alegre, 1945. 9.2 R473

12686 DE MEIJERE, J. C. H. Die larven der Agromyzinen. Siebenter nachtrag. Tijdschr. v. Ent. 86: 61-76. 1943, pub. 1944. 421 T21

12687 DE MEIJERE, J. C. H. Over de metamorphose van Metopia leucocephala Rossi, Cacozenus indagator Löw, Palloptera saltum L., Paranthomyza nitida Mg. en Hydrellia nigripes Zett. (Dipt.). Tijdschr. v. Ent. 86: 57-61. 1943, pub. 1944. 421 T21

12688 EAGLESHAM, J. L. What about warble fly [Hypoderma spp.] control? Canad. Cattlemen 8: 130, 154. Dec. 1945. 49 C16

12689 FARIA, R. Combate às moscas. Rev. Ceres 6: 95-107. Nov./Dec. 1944. 9.2 C332

12690 GRIOT, M. Las moscas de la fruta. Pampa Argentina 19(218): 11, 22. (Concl.) Oct. 1945. 9 P19

Refers to Anastrepha fraterculus and Ceratitis capitata.

12691 HANDLEY, L. M. Wire screen fly traps. Hosp. Corps Q. 18(12): 45-47. Dec. 1945. 153.45 Un3

12692 HARMSTON, F. C., and KNOWLTON, G. F. Three new western Dolichopodidae. Canad. Ent. 77: 137-139. Aug. 1945. 421 C16

Argyra condolina n. sp.; A. idahona n. sp.; Pelorocephalus apicales n. sp.

12693 HEHMAN, C. M. The nose bot fly [Cephennomyia pratti; C. jellisoni] of deer. Calif. Fish and Game 32: 17-18. Jan. 1946. 410 G12

12694 KENNEY, M. Experimental intestinal myiasis in man. Soc. Expt. Biol. and Med. Proc. 60: 235-237. Nov. 1945. 442.9 Sol

Tests with larvae of Musca domestica, Calliphora, and Sarcophaga.

12695 LINDGREN, D. L., and SINCLAIR, W. B. Sorption of HCN by insect pupae. (Sci. note.) J. Econ. Ent. 38: 617. Oct. 1945. 421 J822

Tests with Musca domestica.

12696 LOPES, H. DE S. Sobre a presença, no Rio de Janeiro, de "Parasarcophaga" [i. e. Sarcophaga (Parasarcophaga)] ruficornis (Fabricius, 1794), espécie oriental e a possibilidade de seu transporte por avião (Diptera, Sarcophagidae). Rev. Bras. de Biol. 5: 401-405. Sept. 1945. Ref. 442.8 R326

12697 MAMPELL, K. Analysis of a mutator. Genetics 30: 496-505. Nov. 1945. 442.8 G28

In Drosophila pseudoobscura.

12698 MANGABEIRA FILHO, O. Contribuição ao estudo dos Flebotomus (Diptera: Psychodidae). 9a-13a. Inst. Oswaldo Cruz Mem. 37: 241-250, 251-257, 287-295, 327-331, 375-381. 1942. 443.9 In74

English summaries.

Contents: 9a. Flebotomus (Pressatia) triacanthus Mangabeira, 1942; 10a. Flebotomus longispinus Mangabeira, 1942; 11a. Flebotomus oswaldoi Mangabeira, 1942; 12a. Flebotomus nordestinus n. sp.; 13a. Flebotomus (Brumptomyia) travassosi Mangabeira, 1942.

12699 OLSON, T. A., and DAHMS, R. G. Control of housefly [Musca domestica] breeding in partly digested sewage sludge. (Sci. note.) J. Econ. Ent. 38: 602-604. Oct. 1945. 421 J822

12700 POTEMKIN, V. I., and FEDERNIKOV, N. T. O gnoodermatoze loshadei [Hypoderma spp. in horses]. Veterinariia 21(8/9): 23. Aug./Sept. 1944. 41.8 V6426

12701 PYENSON, L. The end of the boxwood leaf miner [Monarthropalpus buxi]. Flower Grower 33: 31. Jan. 1946. 80 M72

Control with DDT.

12702 SCHNEIDER, F. Können sich mit gesarol [i. e. DDT] vergiftete insekten wieder erholen? Schweiz. Z. f. Obst- u. Weinbau 53: 401-402. Oct. 28, 1944. 80 Sch9

Experiments with flies.

12703 SNUGGREN, G. Effectiveness of DDT in fly [Siphona irritans] control shown in ranch test. West. Live Stock 31(5): 18. Dec. 1945. 49 W523

Used in cattle dips.

12704 SORENSON, C. J. A preliminary study of cattle grubs [Hypoderma spp.] in northern Utah. Farm & Home Sci. [Utah Sta.] 6(4): 11-12. Dec. 1945. 100 UtlF

12705 SPENCER, G. J. A note on the tangle-winged flies of British Columbia (Diptera: Nemestrinidae). Ent. Soc. Brit. Columbia. Proc. 42: 18. Dec. 8, 1945. 420 B77



- 12706 TABLEMAN, H. G. Hypersensitiveness of cattle to the ox warble [*Hypoderma* spp.]. *Vet. Med.* 40: 418. Dec. 1945. 41.8 M69
- 12707 TATE, H. D. The control of cattle grubs [*Hypoderma* spp.] and cattle lice. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 486-492. 2 N27R
- 12708 TOMLINSON, T. G. Control by D.D.T. of flies breeding in percolating sewage filters. *Nature* [London], 156: 478-479. Oct. 20, 1945. 472 N21
- 12709 TWINN, C. R. Poetical and practical aspects of the two-winged flies and fly-borne disease. Part I - families Muscidae Calliphoridae and Sarcophagidae. *Pests* 14(1): 13-14, 16, 18, 20. Jan. 1946. 449.8 Ex8
- 12710 VAN OOSTSTROOM, S. J. *Sciopus* [i. e. *Sciapus*] exul Parent (Dipt., Dolichopod.) in den Leidschen Hortus. *Ent. Ber.* 11: 196. May 21, 1944. 420 N38B
- 12711 VAN ROSSEM, G. Massaal ootreden van een bibionide [*Dilophus febrilis*] (Diptera). *Ent. Ber.* 11: 217. July 21, 1944. 420 N38B
- 12712 WEBB, J. E., and GREEN, R. A. On the penetration of insecticides through the insect cuticle. *J. Expt. Biol.* 22(1/2): 8-20. Dec. 1945. 442.8 B77
- Experiments with *Melophagus ovinus*.
- Culicidae
- 12713 BRUMPT, E. Anophélisme sans paludisme et régression spontanée du paludisme. *Ann. de Parasitol. Humaine et Compar.* 20(1/2): 67-91. 1944/1945. Ref. 436.8 An7
- 12714 BRUMPT, E. Utilisation éventuelle du batracien *Xenopus laevis* dans la lutte contre les larves de moustiques; interactions diverses à prévoir. *Paris. Acad. des Sci. Compt. Rend.* 220: 923-925. June 25, 1945. 505 P21
- 12715 CAICEDO AGUILAR, R. Contribución al estudio de la lucha antilárvica en las explotaciones arroceras. *Rev. Nac. de Agr.* [Bogotá], 39(492): 37-39, 43. Sept./Oct. 1945. 9.4 R32
- Mosquito control.
- 12716 CALLOT, J., and DAO, V. T. Contribution à l'étude des moustiques français culicidés [Culicidae, de Richelieu (Indre-et-Loire)]. *Ann. de Parasitol. Humaine et Compar.* 20(1/2): 43-66. 1944/1945. Ref. 436.8 An7
- 12717 CAMPBELL, G. A. Anti-malaria drainage in Trinidad. *Engin. J.* 28(11): 695-702. Nov. 1945. 290.9 En3
- To prevent breeding of *Anopheles*.
- 12718 CONANT, V. Some mosquito control operations in Bergen County, New Jersey. *Mosquito News* 5: 136-137. Dec. 1945. 421 M85
- Illustrations with explanatory text.
- 12719 EDWARDS, G. A., and PORTER, E. V. Mosquitoes [Culicidae] of northwest Florida. (Sci. note.) *J. Econ. Ent.* 38: 613-615. Oct. 1945. 421 J822
- 12720 EIDE, P. M., DEONIER, C. C., and BURRELL, R. W. DDT as a culicine larvicide. *J. Econ. Ent.* 38: 537-541. Oct. 1945. 421 J822
- 12721 GJULLIN, C. M., and YATES, W. W. *Anopheles* and malaria in the Northwestern States. *Mosquito News* 5: 121-127. Dec. 1945. 421 M85
- 12722 GRAY, H. F. Labor vs. mechanized equipment in mosquito control work. Shifting emphasis in Alameda County (California) Mosquito Abatement District. *Mosquito News* 5: 132-134. Dec. 1945. 421 M85
- 12723 HARDEN, P. H. The occurrence of *Orthopodomyia alba* Baker at New Orleans, Louisiana. *Mosquito News* 5: 131. Dec. 1945. 421 M85
- 12724 HOLDSWORTH, R. P., JR., DEONIER, C. C., and HARRISON, Z. D. DDT emulsion for the control of culicine mosquitoes in cisterns. *Mosquito News* 5: 144-145. Dec. 1945. 421 M85
- 12725 LAFFERTY, O. W. A pump installation to drain a 300-acre salt marsh. *Mosquito News* 5: 146-147. Dec. 1945. 421 M85
- 12726 LAIRDT, F. (HIJO). La situación de la fiebre amarilla en Venezuela. *Ofic. Sanit. Panamer. B.* 24: 778-783. Sept. 1945. 150.9 B872
- English summary  
Includes transmission by *Haemagogus*.
- 12727 LINDQUIST, A. W., and others. DDT dispersed from airplanes for control of adult mosquitoes. *J. Econ. Ent.* 38: 541-544. Oct. 1945. 421 J822
- A. H. Madden, C. N. Hushman, and B. V. Travis, joint authors.
- 12728 LINDQUIST, A. W., and MCDUFFIE, W. C. DDT-oil sprays applied from an airplane to control *Anopheles* and *Mansonia* mosquitoes. *J. Econ. Ent.* 38: 545-548. Oct. 1945. 421 J822
- 12729 LYNCH, E. E. Equipment developed by Delaware State Highway Department for mosquito control work. *Mosquito News* 5: 135. Dec. 1945. 421 M85
- 12730 MAGOON, E. H. Drenaje y salud en la zona del Caribe. 3 (Drainage for health in the Caribbean area. 3). *Salubridad y Asistencia Social* 48: 407-614. Aug./Oct. 1945. 449.75 C892S
- Spanish and English texts.  
Appendices: I. Summary of basic information on Caribbean mosquitoes and malaria transmission; II. Summary of basic information on the agricultural aspects of rainfall and land drainage.  
Includes drainage of mosquito breeding places.
- 12731 MAGY, H. I., and HOSKINS, W. M. Some dimethylphenol derivatives as mosquito larvicides. *J. Econ. Ent.* 38: 524-527. Oct. 1945. 421 J822
- 12732 MOHAN, B. N. Details of the procedure adopted in maintaining a laboratory colony of *Anopheles fluviatilis*. *Malaria Inst. India. J.* 6: 75-76. June 1946. 448.9 M29
- 12733 MORLAN, H. B. Dengue fever mosquito [*Aedes aegypti*] control at Galveston, Texas. *Tex. Acad. Sci. Proc. and Trans.* (1944) 28: 112-117. 1945. 500 T31
- 12734 OSMUN, J. V. Mobile dredge pump for mosquito control. *Mosquito News* 5: 138-139. Dec. 1945. 421 M85
- 12735 PAL, R. On the bionomics of *Anopheles culicifacies* Giles. Part II. The ecology of the immature stages. *Malaria Inst. India. J.* 6: 53-74. June 1945. Ref. 448.9 M29
- 12736 PERRY, W. J. The disk harrow--a valuable addition to malaria control equipment. *Mosquito News* 5: 140-141. Dec. 1945. 421 M85
- 12737 RAMACHANDRA RAO, T. Behaviour of *Anopheles fluviatilis*. Part III. Larvae habitats in North Kanara District. *Malaria Inst. India. J.* 6: 77-82. June 1945. 448.9 M29
- 12738 REES, D. M. Notes on mosquito [*Aedes dorsalis*] migration in Salt Lake City in 1945. *Mosquito News* 5: 134. Dec. 1945. 421 M85
- 12739 RUTH, P. W. The Boush Creek drainage problem at Norfolk, Virginia. *Mosquito News* 5: 117-120. Dec. 1945. 421 M85
- To prevent breeding of *Aedes sollicitans* and *A. taeniorhynchus*.
- 12740 SCHOOF, H. F. Entomology in malaria control. *J. Econ. Ent.* 38: 517-522. Oct. 1945. 421 J822
- Anopheline surveys and the direction of mosquito control measures.
- 12741 SCHUTZ, R. B. Filariasis. *Calif. and West. Med.* 63: 221-224. Nov. 1945. 448.8 C12
- Includes control of mosquito vectors in the Samoan area.



- 12742 SOMAN, D. W. Malaria in Pandharpur, Bombay Presidency. (Abs.). Malaria Inst. India. J. 6: 99-100. June 1945. 448.9 M29  
Anopheles culicifacies principal vector.
- 12743 STAGE, H. H. References to literature of interest to mosquito control workers. Mosquito News 5: 164-168. Dec. 1945. 421 M85
- 12744 STRANDTMANN, R. W. Malaria and its vectors [Anopheles spp.] in the Gulf Coast area of Texas. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 106-108. 1945. 600 T31
- 12745 SUBBARAO, D., and APPARAO, M. Malaria transmission in and around Vizagapatam. (Abs.). Malaria Inst. India. J. 6: 95-96. June 1945. 448.9 M29  
Discusses Anopheles spp. found to be vectors.
- 12746 VANNOTE, H. G. Some mosquito control operations in Monmouth County, New Jersey. Mosquito News 5: 142-143. Dec. 1945. 421 M85
- 12747 VANNOTE, R. L., and EAGER, G. W. Some inter-county mosquito control operations showing equipment used in improvement of the upper Passaic River channel in Essex and Morris Counties, New Jersey. Mosquito News 5: 128-131. Dec. 1945. 421 M85
- 12748 VISWANATHAN, D. K. Malaria survey of Salsette Island. (Abs.). Malaria Inst. India. J. 6: 97. June 1945. 448.9 M29  
Anopheles fluviatilis principal vector.
- 12749 WELCH, E. V. The finding of Anopheles albimanus Wied. at West Palm Beach, Florida, (Diptera Culicidae). Mosquito News 5: 145. Dec. 1945. 421 M85
- 12750 WILLIAMSON, C. T. Mosquito control in Suffolk County, New York. Mosquito News 5: 149-152. Dec. 1945. 421 M85  
Map on p. 148.  
Illustrations with explanatory text.
- 12751 WISECUP, C. B., and SHILLINGER, W. D. Observations on the abatement of pest mosquitoes [Psorophora spp.] with DDT residual sprays. Fla. Ent. 28: 27-29. Nov. 1945. 420 F662

## HEMIPTERA (HETEROPTERA AND HOMOPTERA)

- 12752 ABELOOS, M., and CHANU, Y. Sur les lois de la croissance de l'hémiptère Pyrrhocoris apterus L. Paris. Acad. des Sci. Compt. Rend. 220: 794-795. May 28, 1945. 505 P21
- 12753 ANDERSON, R. F. DDT and other insecticides to control the Saratoga spittle insect [Aphrophora saratogensis] on jack pine. J. Econ. Ent. 38: 564-566. Oct. 1945. 421 J822
- 12754 BEDWELL, E. C. The county distribution of the British Hemiptera-Heteroptera. Ent. Monthly Mag. 81: 265-273. Dec. 1945. 421 En86
- 12755 CARVALHO, J. C. M. Mirídeos neotropicais; XVII. Gêneros "Cyrtorrhinus" Fieber e "Bothrophorella Reuter (Hemiptera). Rev. Bras. de Biol. 5: 315-319. Sept. 1945. 442.8 R326  
Cyrtorrhinus costae and Bothrophorella nigra.
- 12756 CARVALHO, J. C. M. Mirídeos neotropicais, gêneros Diaphinidia [i. e. Diaphnidia] Uhler, Hyaliodes Reuter, Hyaliodocoris Knight, Sinervus Stal e Spartacus Distant, com descrições de espécies novas. Brazil. Mus. Nac. B. Nov. Sér. Zool., No. 36, 79 p. Aug. 27, 1945. 516 R47Bz  
English summary.  
Includes 13 n. spp. and a n. comb.
- 12757 CHILE, MINISTERIO DE AGRICULTURA, DEPARTAMENTO DE SANIDAD VEGETAL. La conchuela grande café (Eulecanium sp. [i. e. Lecanium]). Chile. Dept. de Sanid. Veg. C. 20, 3 p. Santiago, 1945. 464.9 C432C  
Probably Lecanium persicae. Most harmful to fruit trees.
- 12758 DUBLANC, J. Konferenz vom 25. August 1944 betreffend die San José-schildlaus [Aspidiotus perniciosus]. Schweiz. Z. f. Obst- u. Weinbau 53: 368-371. Sept. 30, 1944. 80 Sch9  
Need for regulations for inspection of fruit imports and exports.
- 12759 EBELING, W. DDT and rotenone used in oil to control the California red scale [Aonidiella aurantii]. J. Econ. Ent. 38: 556-563. Oct. 1945. 421 J822
- 12760 FIFE, L. C., CHAPMAN, A. J., and MCGARR, R. L. Insecticides for control of the cotton flea hopper [Psallus seriatus]. (Sci. note.) J. Econ. Ent. 38: 598-599. Oct. 1945. 421 J822  
Two forms of DDT used.
- 12761 FLETCHER, F. C. Story of the lac insect [Laccifer lacca]. (Part II.) Ward's Nat. Sci. B. 19: 41-43. (To be cont.) Jan. 1946. 410 W21
- 12762 FROST, S. W. A new leafhopper [Cicadella stellulata] on cherry. (Sci. note.) J. Econ. Ent. 38: 617-618. Oct. 1945. 421 J822
- 12763 GARDNER, J. C. M. A note on the imported lantana bug (Teleonemia scrupulosa Stål). Indian Forester 70: 139-140. May 1944. 99.8 In2
- 12764 GHANI, M. A., AFZAL, M., and NANDA, D. N. Studies on cotton jassid (Empoasca devastans Distant) in the Punjab. VII. Age of leaf and jassid susceptibility. Indian Acad. Sci. Proc. Ser. B 22: 219-224. Oct. 1945. 513 In25B
- 12765 GRAVESTEIN, W. H. Over eenige Nederlandsche psylliden [Psyllidae]. Ent. Ber. 11: 182-184. Apr. 25, 1944. 420 N38B  
New spp. and forms in: Rhinocola; Aphalara; Psylla 2.
- 12766 K., F. Die abwehrmassnahmen gegen die San José-schildlaus [Aspidiotus perniciosus]. Schweiz. Z. f. Obst- u. Weinbau 53: 367-368. Sept. 30, 1944. 80 Sch9  
For protection of fruit trees.
- 12767 KULASH, W. M., and MAXWELL, J. M. DDT and bedbugs [Cimex lectularius] in chicken houses. (Sci. note.) J. Econ. Ent. 38: 606. Oct. 1945. 421 J822
- 12768 LEECH, H. B. British Columbia and Alberta records in E. C. Lerch's "A List of Homoptera from Ontario." Ent. Soc. Brit. Columbia. Proc. 42: 8. Dec. 1945. 420 B77
- 12769 LIMÓN BADILO, B. Plagas del melón. Campesino Morel. 1(13): 5; (14): 4. Nov. 1, Dec. 1, 1945. 8 C156  
Refers to Aphis gossypii.
- 12770 LINDGREN, D. L., LADUE, J. P., and DICKSON, R. C. Laboratory studies with rotenone oil in sprays to control the California red scale [Aonidiella aurantii]. J. Econ. Ent. 38: 567-571. Oct. 1945. 421 J822
- 12771 LYLE, C. Spray now to guard trees against scale [Aspidiotus perniciosus]. Miss. Farm Res. [Miss. Sta.] 8(11): 1. Nov. 1945. 100 M69M1
- 12772 OSBURN, M. R. Methyl bromide for control of the pineapple mealybug [Pseudococcus brevipes]. (Sci. note.) J. Econ. Ent. 38: 610. Oct. 1945. 421 J822
- 12773 OSSIANILSON, F. En för Sverige ny bladlus på röda vinbärsbuskar [A plant louse (Rhopalosiphonius ribesinus v. d. Goot) on red currant bushes new to Sweden]. Försök och Forskning 2: 144. Sept. 1945. 11 F77
- 12774 RAKSHPAL, R. Mustard-aphid (Rhopalosiphum pseudobrassicae Davis). Cur. Sci. 14: 272-273. Oct. 1945. 475 Sci23
- 12775 RECLAIRE, A. Naamlijst der in Nederland en het aangrenzende gebied waargenomen cicaden [Cicadidae] (Hemiptera-Homoptera). Ent. Ber. 11: 221-256. Sept. 1, 1944. Ref. 420 N38B
- 12776 STEVENSON, W. A. DDT compared with other insecticides for control of hemipterous insects on cotton. J. Econ. Ent. 38: 531-533. Oct. 1945. 421 J822



- 12777 THURMAN, D. C., JR. The biology of *Triatoma gerstaeckeri*. (Sci. note.) J. Econ. Ent. 38: 597. Oct. 1945. 421 J822
- 12778 THURMAN, D. C., JR. The bloodsucking habits and growth of nymphs of *Triatoma gerstaeckeri*. (Sci. note.) J. Econ. Ent. 38: 597. Oct. 1945. 421 J822
- 12779 TOMLINSON, W. E., JR. Influence of cranberry variety on the rate of development and survival of the blunt-nosed leafhopper [*Ophiola striatula*]. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. (1945) 76: 25-26. 81 Am35C
- 12780 TWINN, C. R. The bedbug [*Cimex lectularius*], and its control. Canada. Dept. Agr. Sci. Serv. Div. Ent. Processed P. 33, 7 p. Ottawa, 1945. 423.92 C16P
- 12781 USINGER, R. L. Biology and control of ash plant bugs in California. J. Econ. Ent. 38: 585-591. Oct. 1945. 421 J822
- Deals mainly with *Neoborus illitus*.
- 12782 W., D. Winter control of woolly aphis [*Eriosoma lanigerum*]. Pop. Gard. 47: 332. Dec. 15 1945. 80 G1622
- Refers mainly to damage of apple trees.
- 12783 WATSON, J. R. Whiteflies [*Dialeurodes citri*] on gardenias. Fla. Ent. 28: 30-31. Nov. 1945. 420 F662

## HYMENOPTERA

- 12784 ADRIANSE, A. Biologie van *Ammophila campestris* Jur. Ent. Ber. 11: 150-153. Feb. 25, 1944. 420 N38B
- 12785 BESSELIING, A. J. Water-wespen. Ent. Ber. 11: 161. Mar. 25, 1944. 420 N38B
- Refers to *Caraphractus cinctus* and *Prestwichia aquatica*.
- 12786 BULL, A. W. "Sirex gigas." Field 186: 326. Sept. 29, 1945. 10 F45
- 12787 BUZZARD, C. N. The cares of a humble-bee [*Bombus spp.*]. Country Life [London] 98: 861. Nov. 16, 1945. 80 C83
- 12788 FERNALD, H. T. A colony of solitary wasps (Hymenoptera: Chlorionini). Ent. Soc. Amer. Ann. 38: 458-460. Dec. 1945. 420 En82
- 12789 FLEMING, H. The Meliponidae (stingless bees) of Caripito, northeastern Venezuela. Zoologica [New York] 30: 267. Dec. 31, 1945. 410 Z722
- 12790 GADD, C. H., and FONSEKA, W. T. *Neoplectrus maculatus* Ferrière—a predator and parasite of *Natada nararia* Mo. and other nettlegrubs. Ceylon J. Sci. Sect. B, Zoology 23: 9-18. Sept. 5, 1945. 410 C33
- 12791 GREGG, E. V. A statistical study of taxonomic categories in ants (Formicidae: *Lasius neoniger* and *Lasius americanus*). Ent. Soc. Amer. Ann. 38: 529-548. Dec. 1945. Ref. 420 En82
- 12792 HAVILAND, E. E. The effect on the fingers of the poison of *Formica exsectoides*. (Sci. note.) J. Econ. Ent. 38: 607. Oct. 1945. 421 J822
- 12793 HOUSER, J. S. Status of Ohio wheat pests in 1945. Ohio Agr. Expt. Sta. Bimo. B. 30: 164-166. Sept./Oct. 1945. 100 Oh3S
- Phytophaga destructor is greatest menace.
- 12794 IVOR, H. R. Antics of bird anting. Nature Mag. 39: 22-24. Jan. 1946. 409.6 N214
- 12795 KRUSEMAN, G., JR. Nederlandsche sociale Wespen en hun Koekoekswespen. Ent. Ber. 11: 209-212. July 21, 1944. 420 N38B
- 12796 MONTE, O. Formiga correição [Dorylinae]. Chacaras e Quintais 72: 425-429. Oct. 15, 1945. 9.2 C34
- 12797 NABOURS, R. K. The derivation of Hymenoptera. Ent. Soc. Amer. Ann. 38: 457. Dec. 1945. 420 En82

- 12798 OSORIO, J. M. La bibijagua [*Atta insularis*] u hormiga cortadora de hojas. Control de Plagas 7: 109-114. Dec. 1945. 464.8 C76
- 12799 POPOV, V. V. Parazitizm pchelinykh, ego osobennosti i evoliutsiia (Parasitism in bees, its peculiarities and evolution). Zhur. Obshch. Biol. 6: 183-203. 1945. Ref. 442.8 Z6
- English summary.
- 12800 SMITH, R. H. Thanite as a control for ants. (Sci. note.) J. Econ. Ent. 38: 604. Oct. 1945. 421 J822
- 12801 STIRCKE, A. Retouches sur quelques fourmis d'Europe. III. Autres Lasius. Ent. Ber. 11: 153-158. Feb. 25, 1944. 420 N38B
- 12802 UDINE, E. J. Hessian fly [*Phytophaga destructor*], threat most serious in years. Pa. Grange News 42(9): 7. Dec. 1945. 6 F38
- 12803 WOODWARD, E. Work of a wasp. Nature Mag. 39: 106. Feb. 1946. 409.6 N214
- See also Apiculture and *Apis mellifera*.

## LEPIDOPTERA

- 12804 ALLAN, P. B. M. Does weather influence oviposition of Lepidoptera? Ent. Rec. and J. Variation 57: 128. Nov. 1945. 421 En89
- 12805 ALMEIDA, R. F. D. Novos Ithomiidae da fauna brasileira (Lepidoptera Rhopalocera). Brazil. Mus. Nac. B. Nov. Sér. Zool., No. 39, 13 p. Sept. 27, 1945. 516 B47Bz
- New spp. and forms in: *Hypothyris* 8; *Rhodussa*; *Garsaurites*; *Hyposcada*; *Melinaea*.
- 12806 BARROS, A. K. DO R. Contribuições ao estudo da família Arctiidae (Lepidoptera, Heterocera). Brazil. Mus. Nac. B. Nov. Sér. Zool., No. 38, 11 p. Sept. 10, 1945. 516 B47Bz
- 12807 BURKHOLDER, C. L. Codling moth [*Carpocapsa pomonella*], control; orchard management practices that are found helpful. East. Fruit Grower 8(10): 10-11, 14-15, 18. Dec. 1945. 80 Ea73
- 12808 CARRUTH, L. A. Insect parasites may reduce corn borer [*Pyrausta nubilalis*], damage. Farm Res. [N. Y. State Sta.], 11(4): 5-6. Oct. 1, 1945. 100 N48A
- Liberation of *Macrocentrus gifuensis* and *Chelonus annulipes*.
- 12809 CHAPMAN, A. J., and MORENO, I. Further observations on host plants of the pink bollworm [*Pectinophora gossypiella*], in the lower Rio Grande Valley of Texas and Mexico. J. Econ. Ent. 38: 583-584. Oct. 1945. 421 J822
- 12810 CORBET, A. S. The species of the aconthea group of the genus *Euthalia* Hbn. (Lepidoptera: Nymphalidae). Entomologist 78: 177-183. Dec. 1945. 421 En8
- Includes n. forms: *E. mononina remias*; *E. mononina ramadina*.
- 12811 DAVIAULT, L. Porte-case [*Coleophora laticella*], du mélèze. Forêt Québécoise 10: 358. Dec. 1945. 99.8 F79
- 12812 DICKSON, R. C., and SANDERS, E. Factors inducing diapause in the oriental fruit moth [*Grapholitha*]. (Sci. note.) J. Econ. Ent. 38: 605-606. Oct. 1945. 421 J822
- 12813 FOXLEE, H. R. A preliminary list of the Heterocera of the Nelson-Robson-Trail District of British Columbia (Insecta: Lepidoptera). Ent. Soc. Brit. Columbia. Proc. 42: 9-14. Dec. 8, 1945. 420 B77
- 12814 GARDNER, J. C. M. Immature stages of Indian Lepidoptera (Cossidae, Indarbelidae). Bombay Nat. Hist. Soc. J. 45: 390-396. Sept. 1945. 513 B63
- 12815 GARDNER, J. C. M. Young trees and *Phasus* borers (Lep., Hepialidae). Indian Forester 70: 103-105. Apr. 1944. 99.8 In2



- 12816** GOODSON, F. W. Notes and descriptions of new species of American Theclinae contained in the British Museum (Natural History) (Lep. Lycaenidae). Entomologist 78: 184-187. Dec. 1945. 421 En8  
Includes 9 n. spp. in Thecla.
- 12817** HARDY, G. A. Notes on the life history of the vapourer moth (*Notolophus antioqua* Badia) on Vancouver Island (Lepidoptera, Liparidae). Ent. Soc. Brit. Columbia. Proc. 42: 3-6. Dec. 8, 1945. 420 B77
- 12818** HEIMERS, G., JR. *Heliothis maritima* De Graslin subsp. *septentrionalis* Hoffmeyer in de duinen bij Overveen. Ent. Ber. 11: 213. July 21, 1944. 420 N38B
- 12819** HOPPING, G. R. The lodgepole pine needle miner [*Recurvaria milleri*] in the Canadian Rocky Mountain parks (Lepidoptera, Gelechiidae). Ent. Soc. Brit. Columbia. Proc. 42: 1-2. Dec. 8, 1945. 420 B77  
Attacks lodgepole pine and Jeffrey pine.
- 12820** HOVANITZ, W. The combined effects of genetic and environmental variations upon the composition of *Colias* populations. Ent. Soc. Amer. Ann. 38: 482-502. Dec. 1945. Ref. 420 En82
- 12821** IVY, E. E., and others. DDT for bollworm [*Heliothis armigera*] control during 1944. J. Econ. Ent. 38: 534-536. Oct. 1945. 421 J822  
C. R. Parencia, Jr., R. W. Moreland, and K. P. Ewing, joint authors.
- 12822** KRISHNAMURTHI, B., and RAO, D. S. Alternate media for large-scale rearing of the rice moth *Corcyra cephalonica* St., in the work of mass-production of the egg-parasite *Trichogramma minutum* R. Cur. Sci. 14: 252-253. Oct. 1945. 475 Sci23
- 12823** LANKTREE, P. A. D. On the larva of the butterfly (*Chilasia* [i. e. *Chilasa*] *clytia lankeswara*). Bombay Nat. Hist. Soc. J. 45: 441-443. Sept. 1945. 513 B63
- 12824** LEES, F. H. Herse convolvuli at Maidencombe, 1945. Ent. Rec. and J. Variation 57: 130-131. Dec. 1945. 421 En89
- 12825** LEES, F. H. Honey-dew. Ent. Rec. and J. Variation 57: 124. Nov. 1945. 421 En89  
Effect on lepidopterous larvae.
- 12826** LEES, F. H. South Devon captures of Lepidoptera, in 1945. Ent. Rec. and J. Variation 57: 121-122. Nov. 1945. 421 En89
- 12827** LEMPKE, B. J. De cocon van *Orgyia gonostigma* F. Ent. Ber. 11: 173. Apr. 25, 1944. 420 N38B
- 12828** LEMPKE, B. J. Trekvlinders in 1943. Ent. Ber. 11: 174-180. Apr. 25, 1944. 420 N38B
- 12829** LEMPKE, B. J. Twee nieuwe nederlandse dagvlinders. Ent. Ber. 11: 158-160. Feb. 25, 1944. 420 N38B  
Refers to spp. in *Syrictus* and *Spialia*.
- 12830** LOKE, W. T. Security measures taken by the pupa of the tussar silk moth [*Antheraea paphis*]. Bombay Nat. Hist. Soc. J. 45: 440-441. Sept. 1945. 513 B63
- 12831** MCDUNNOUGH, J. Concerning certain North American coleophorids [*Coleophoridae*] with unicolorous brown wings (Lepidoptera). Canad. Ent. 77: 145-150. Aug. 1945. 421 C16  
Includes 4 n. spp. in *Coleophora*.
- 12832** MANTER, J. A. DDT for the tent caterpillar [*Malacosoma americana*]. (Sci. note.) J. Econ. Ent. 38: 615. Oct. 1945. 421 J822  
Laboratory and field tests.
- 12833** MENZEL, R. Versuch zur bekämpfung der kirschblütenmotte [*Argyresthia ephippella*], mit verschiedenen winterspritzmitteln. Schweiz. Z. f. Obst- u. Weinbau 54: 382-384. Oct. 13, 1945. 80 Sch9
- 12834** MILLER, H. W., JR. 800 acres with DDT; West Virginia grower reports on experience of three seasons. East. Fruit Grower 8(10): 5-6, 17. Dec. 1945. 80 Ea73  
Spraying apple orchards against *Carpocapsa pomonella*.
- 12835** NEWMAN, L. H. A great butterfly year in Great Britain. Field 186: 326. Sept. 29, 1945. 10 F45  
Refers mainly to *Pontia daplidice*.
- 12836** NICKELS, C. B., and PIERCE, W. C. DDT and lead arsenate compared for control of the pecan nut casebearer [*Acrobasis caryae*]. (Sci. note.) J. Econ. Ent. 38: 607. Oct. 1945. 421 J822
- 12837** OLSON, H. Blitting the hemlock looper [*Lambdina fuscicollis* lugubrosa]. Nature Mag. 39: 34-36, 50. Jan. 1946. 409.6 N214  
Airplane control with DDT sprays.
- 12838** PARKS, T. H. Observations on corn borer [*Pyrausta nubilalis*] and corn earworm [*Heliothis armigera*] in 1943. Ohio Veg. and Potato Growers Assoc. Proc. 1944 (29): 62-71. 75.9 Oh3
- 12839** PHILLIPS, A. M. An unusual habit of the pecan budmoth [*Gretchena bolliana*] in Florida. (Sci. note.) J. Econ. Ent. 38: 620. Oct. 1945. 421 J822
- 12840** PLANK, H. K. Algunas observaciones acerca del control del "borer" de la caña de azucar [*Diatraea saccharalis*]. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 351-356. Nov. 1945. 65.9 As5B
- 12841** ROEPKE, W. On the genera *Dudusa* Walk. and *Tarsalepis* Butl. in the Dutch East Indies (Lepidopt. Het., fam. Notodontidae). Tijdschr. v. Ent. 86: 77-83. 1943, pub. 1944. 421 T21  
English summary, p. 83.
- 12842** SALT, R. W., and SEAMANS, H. L. Experimental starvation of first-instar larvae of the pale western cutworm, *Agrotis orthogonia* Morr. Canad. Ent. 77: 150-155. Aug. 1945. 421 C16
- 12843** SCHNEIDER, F. Massenaufreten der apfelblattminiermotte (*Lyonetia clerkella*). Schweiz. Z. f. Obst- u. Weinbau 54: 342-343. Sept. 15, 1945. 80 Sch9
- 12844** SCOTT, H. Larvae of the orange-tip (*Euchloa cardamines* L.) (Lep. Pieridae) feeding on sweet rocket *Hesperis*. Ent. Monthly Mag. 81: 276-277. Dec. 1945. 421 En86
- 12845** TRAVASSOS, L. Contribuição ao conhecimento dos "Arctiidae." IX. (Lepidoptera, Heterocera). Rev. Bras. de Biol. 5: 383-386. Sept. 1945. 442.8 R326  
*Loophocampa caryae*.
- 12846** TURNER, H. J. The British Noctuae [i. e. *Phalaenidae*] and their varieties. Ent. Rec. and J. Variation 57(11, sup.): 205-212; (12, sup.): 213-220. (Cont.) Nov., Dec. 1945. 421 En89
- 12847** VAN DE POL, P. H. Investigations concerning the androconia of certain Satyridae, in particular of *Coenonympha pamphilus* L. Tijdschr. v. Ent. 86: 91-94. 1943, pub. 1944. 421 T21
- 12848** VAN REGTEREN ALTENA, C. O. Over oriëntale soorten van het genus *Tagiades* Hübner, in het bijzonder over de javaansche (Lepidoptera, Hesperidae). Ent. Ber. 11: 168-171. Mar. 25, 1944. Ref. 420 N38B
- 12849** VÁRI, L. Nederlandse Lepidoptera. (4e faunistische mededeling). Ent. Ber. 11: 213-216. July 21, 1944. 420 N38B
- 12850** WATSON, J. R. A new host for *Composia fidelissima* vagrans Bates. Fla. Ent. 28: 29. Nov. 1945. 420 F662  
Found feeding on *Stephanotis*.  
See also Sericulture and the Silkworm.

## ORTHOPTERA

12851 ANDER, K. Revision der orthopterensammlungen [Orthoptera] Zetterstedts. Lunds U. Arrskr. (n. s.), pt. 2, v. 38, No. 7, 23 p. 1943. Ref. 502 L97

12852 ARMER, SISTER J. M. Influence of the diet of Blattidae, *Periplaneta americana*, on some of their intestinal protozoa. (Abs.) Tex. Acad. Sci. Proc. and Trans. (1944) 28: 93. 1945. 500 T31

12853 CARLSON, J. G., and HOLLAENDER, A. Intensity effects of ultraviolet radiation of wavelength 2537 Å on mitosis in the grasshopper neuroblast. J. Cell. and Compar. Physiol. 26: 165-173. Dec. 1945. 448.8 J822

12854 KNOWLTON, G. F. Grasshopper control saves \$674,340 worth of crops. Utah Farmer 65: 10. Nov. 25, 1945. 6 D45

12855 MARSHALL, W. S. The rectal sac of the red-legged grasshopper, *Melanoplus femur-rubrum* De-Geer. Ent. Soc. Amer. Ann. 38: 461-471. Dec. 1945. Ref. 420 En82

12856 MESA CARRIÓN, F. El "dinitro-orto-cresol" en la lucha contra la langosta y otras plagas agrícolas. Asoc. Rural del Uruguay. Rev. 72(11): 71-73. Nov. 1945. 9.9 A55

Also in Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 417, 424. Nov. 1, 8, 1945. 9.9 015B

For pests of stored products.

12857 MESA CARRIÓN, F. La lucha contra la langosta. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 448. Nov. 29, 1945. 9.9 015B

Results of experiments with dinitro-o-cresol, DDT, and benzene hexachloride.

12858 RIS, H. The structure of meiotic chromosomes in the grasshopper and its bearing on the nature of "chromomeres" and "lamp-brush chromosomes." Biol. B. 89: 242-257. Dec. 1945. Ref. 442.8 B52

12859 SCHARER, B. Experimental tumors after nerve section in an insect *Leucophaea maderae*. Soc. Expt. Biol. and Med. Proc. 60: 184-189. Nov. 1945. 442.9 S01

12860 YEAGER, J. F., and MUNSON, S. C. The relation between poison concentration and survival time of roaches injected with sodium metarsenite. Ent. Soc. Amer. Ann. 38: 559-600. Dec. 1945. Ref. 420 En82

## SERICULTURE AND THE SILKWORM

12861 M., B. K. Our adventure in silk. Kans. Farmer 82(23): 22. Dec. 1, 1945. 6 K13

An attempt at sericulture.

12862 MATTALIA, J. Normas para la cria de gusanos de seda *Bombyx mori*. Chacra 16(181): 71. Nov. 1945. 9 C34

12863 RYZHKOV, V. L., and GIGAURI, E. A. Opyty po khimioterapii zheltukhi tutovogo shelkopriada (The experiments on chemotherapy of jaundice in *Bombyx mori*). Mikrobiologiya 14: 353-356. 1945. 448.3 M582

English summary.

12864 V., M. Uma duzia de consultas sobre sericultura. Chacaras e Quintais 72: 444-445. Oct. 15, 1945. 9.2 C34

## SMALLER ORDERS

12865 BERGER, B. G. Food preferences of the firebrat *Thermobia domestica*. J. Econ. Ent. 38: 577-582. Oct. 1945. 421 J822

12866 BIERIG, A. Juan Palo [Phasmidae; Phyllidae]. Inst. de Defensa del Café de Costa Rica. Rev. 15: 445-447. July/Aug. 1945. 68.28 C82

12867 CARPENTER, S. J., CHAMBERLAIN, R. W., and BAKER, R. Flea collections at army installations in the Fourth Service Command. (Sci. note.) J. Econ. Ent. 38: 600-601. Oct. 1945. 421 J822

12868 CHAPMAN, A. J., FIFE, L. C., and MCGARR, R. L. DDT for control of the onion thrips *Thrips tabaci*. (Sci. note.) J. Econ. Ent. 38: 608-609. Oct. 1945. 421 J822

12869 GRAVELY, F. H. Paraffin wax as a protection against termites. Bombay Nat. Hist. Soc. J. 45: 439-440. Sept. 1945. 513 B63

12870 KRUSEMAN, G., JR. voorloopige naamlijst van Nederlandse Psocoptera [i. e. Corrodentia] benevens van die, welke in het aangrenzende gebied gevonden zijn. (Hde mededeeling over Psocoptera.) Tijdschr. v. Ent. 86: 94-97. 1943, pub. 1944. 421 T21

12871 OSORIO, J. M. El thrips de la cebolla (*Thrips tabaci* Lind) y métodos para su dominio. Control de Plagas 7: 104-107. Dec. 1945. 464.8 C76

12872 ROGICK, M. D. Symbiosis. Turtlox News 24: 30. Jan. 1946. 442.8 T86

Pictorial representation of relationship between termites and their intestinal Protozoa.

12873 RUMREICH, A. S., and KOEPKE, J. A. Epidemiological significance of seasonal variations in rodent-ectoparasite distribution. Pub. Health Rpts. 60: 1421-1428. Nov. 30, 1945. Ref. 151.65 P96

Refers mainly to *Xenopsylla cheopis* as vector of typhus.

12874 VAN DER WERF, G. J. Een onbekend trichopteren-larfe, *Orthotrichia angustella*. Tijdschr. v. Ent. 86: 83-85. 1943, pub. 1944. 421 T21

12875 WATSON, J. R. The ecological and geographic distribution of the Thysanoptera of the genus. Fla. Ent. 28: 33-36. Nov. 1945. 420 F662

12876 WITTWER, S. H., and HASEMAN, L. Soil nitrogen and thrips *Heliothrips haemorrhoidalis*, injury on spinach. (Sci. note.) J. Econ. Ent. 38: 615-617. Oct. 1945. 421 J822

12877 WRIGHT, M. Dragonflies [*Anax junius*] predaceous on the stablefly *Stomoxys calcitrans* (L.). Fla. Ent. 28: 31-32. (Concl.) Nov. 1945. 420 F662

12878 WYGODZINSKY, P. Contribuição ao conhecimento dos "Entotrophi" e "Thysanura" de Portugal. III. Família "Lepismatidae" (Thysanura). Conclusões. Rev. Bras. de Biol. 5: 419-433. Sept. 1945. 442.8 R326

Includes 5 n. spp. in *Lepisma*.

## Anoplura and Mallophaga

12879 LYLE, C., and STRONG, R. G. Dusting for cattle lice. (Sci. note.) J. Econ. Ent. 38: 611. Oct. 1945. 421 J822

*Linognathus vituli*; *Bovicola bovis*.

12880 MOLNER, J. G. Treatment of pediculosis capitis. Amer. J. Pub. Health 35: 1302-1304. Dec. 1945. 449.9 Am3J

Caused by *Pediculus humanus humanus*.

12881 PARISH, H. E., and RUDE, C. S. DDT for the control of goat lice. (Sci. note.) J. Econ. Ent. 38: 612. Oct. 1945. 421 J822

12882 SMADEL, J. E., SCHLUMBERGER, H. E., and SOLES, E. P. Institut für Fleckfieber- und Virusforschung des Oberkommandos des Heeres at Roth, Bavaria. April 27/30, May 16/17, 1945. U. S. Dept. Com. Off. Pub. Bd. Rpt. 242, 16 p., processed. Washington, 1945. 157.8 R29

Includes techniques for use of lice in producing vaccines.

12883 TELFORD, H. S. New insecticides for chicken lice control. J. Econ. Ent. 38: 573-576. Oct. 1945. Ref. 421 J822

12884 WERNECK, F. L. Sobre algumas espécies do gênero *Gliricola* (Mallophaga). Inst. Oswaldo Cruz Mem. 37: 297-316. 1942. 448.9 In74

English summary.

Includes 5 n. spp. and forms in *Gliricola*.



AGRICULTURAL ENGINEERING

## GENERAL

12885 AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS. COMMITTEE ON CURRICULUMS (COLLEGE DIVISION). SUBCOMMITTEE ON INDUSTRIAL REQUIREMENTS. Industry requirements of professional agricultural engineering education. Agr. Engin. 26: 504-506. Dec. 1945. 58.8 Ag83

12886 AUSTIN, B. Keep the farm and home a safe place to live. Ariz. Farmer 24(24): 16. Dec. 15, 1945.

Accident and fire prevention.

12887 COE, M. E. Danger --- down on the farm. Calif. Citrog. 31: 102-103. Jan. 1946. 80 C125

12888 EASTMAN, E. R. Something there is about a fence. Amer. Agr. 142: 533. Dec. 15, 1945. 6 Am3

12889 HALL, W. F. Farm and home accidents are costly. Agr. Ed. Mag. 18: 134. Jan. 1946. 275.8 Ag8

12890 JENNINGS, B. A. Corrosion tests determine wire fence durability. Farm Res. N. Y. State Sta., 12(1): 1, 6. Jan. 1, 1946. 100 M48A

12891 MEHLSSEN, F. Brandfare og brandvaern i landbruget [Fire danger and fire protection in agriculture]. Tidsskr. for Landøkonomi, No. 8, p. 317-338. Aug. 1945. 11 T43

12892 MILLER, M. L. Fencing practices. Ky. Farmer's Home J. 81(12): 10, 18. Dec. 1945. 6 F2237

Designs and specifications.

12893 NORTHERN IRELAND. MINISTRY OF AGRICULTURE. Farm machinery. Prevention of accidents. North. Ireland. Min. Agr. Leaflet 115, 4 p. Belfast, 1945. 10 N81

## FARM MACHINERY

General

12894 ÅBERG, E. Amerikanska maskiner för försöksverksamhet och kontrollarbeten [American equipment for experimental and control work]. Lantmännen 29: 1123-1125. Dec. 15, 1945. 11 L234

12895 ARCHER, R. C. Modern farm machinery and postwar developments. N. Y. Farmers. Proc. 1944/1945: 387-407. Nov. 30, 1945. 4 M48P  
Includes discussion, p. 404-407.

12896 B., R. The garden handyman builds a back-door tool closet that makes it easy to do those odd jobs while you wait. Home Gard. 6(6): 48-49. Dec. 1945. 80 E756

12897 BOMFORD, D. R. The mechanization of vegetable production. Worcestershire Agr. Chron. 13(1): 21-27. Mar. 1945. 10 W892

12898 BRIGGS, F. A. Development and refinement, not revolution. Farm and Ranch 64(12): 10. Dec. 1945. 6 T31

International Harvester's preview of coming farm machinery.

12899 BROWN, J. B. Explains co-op implement machinery supply position. Manitoba Co-op. 3(12): 2. Jan. 15, 1946. 280.28 M31

12900 BROWN, J. B. Machinery co-op hoed trying row. Manitoba Co-op. 3(12): 6. Jan. 15, 1946. 280.28 M31

12901 DALGLISH, H. F. How one manufacturer is meeting the reconversion problem. Impl. & Tractor 60(26): 36. Dec. 29, 1945. 58.8 W41

12902 DEERING, F. Farmers plan trip to Washington for soil machinery. Farmer-Stockman 58: 447. Dec. 1945. 6 Ok45

12903 ENGINE, S. A. Put wheels on your chore-time. Successful Farming 44(1): 22-23, 44-45. Jan. 1946. 6 Sul2

How to make and use a farm cart.

12904 GOLUB', A. God raboty kolkhoznykh masterskikh [A year of work in the shops on the collective farms]. Kolkhoz. Proizvod. 5(6): 17. June 1945. 281.8 K83

12905 GRAY, B. Oil on your farm. West. Dairy J. 2(2): 15, 42-44. Dec. 1, 1945. 44.8 W524  
Lubrication of farm equipment.

12906 HASHIMOTO, E. Y. Raising cane at school. Hakalau students study mechanical sugar production at first hand. Hawaii Farm and Home 8(12): 16, 40. Dec. 1945. 25 H3191

12907 HEIMPEL, L. G. Compressed air pump. Family Herald and Weekly Star 76(52): 12. Dec. 26, 1945. 7 F21

12908 HORNIBROCK, E. The interdependence of improved oil and farm machinery. Impl. and Tractor 60(22): 48, 108-109. Nov. 3, 1945. 58.8 W41

12909 HURD, A. New machines for the farm. Country Life [London] 98: 868-869. Nov. 16, 1945. 80 C83

12910 LASERIE, E. ¿Podrá mecanizarse el cultivo del tabaco en Cuba? R. de Inform. Agr. del Gobierno Prov. de Las Villas 17(130): 16-17. Oct./Dec. 1945. 8 Sa53

12911 LORD, H. S. The job ahead for our industry. Farm Mach. and Equip., No. 1944, p. 9, 43-45. Dec. 1945. 58.8 F225

12912 P., E. Ein praktisches gerät für die direktbespritzung mit schläuchen im rebbau. Schweiz. Z. f. Obst- u. Weinbau 53: 324-325. Sept. 2, 1944. 80 Sch9

12913 POINTS to note when overhauling farm implements. Impl. & Tractor 60(22): 46-47, 86. Nov. 3, 1945. 58.8 W41

12914 RAIMO, H. F. Acessorios de utilidade na exploração avícola. Rev. dos Criadores 16(10): 65-67. Oct. 1945. 43.8 R32

12915 SMITH, P. B. Labor-saving machinery. New Agr. 28(3): 8. Dec. 1945. 66.8 Su32  
Sugar-beet equipment.

12916 SUCCESSFUL maintenance depends on adequate equipment and good management. Impl. & Tractor 60(22): 44-45, 112. Nov. 3, 1945. 58.8 W41

12917 TAYLOR, F. J. Farm shop ten-strike. Country Gent. 116(1): 22, 73-74. Jan. 1946. 6 C833  
Home implement repair shop turns into big business.

12918 WOOLEY, J. C. Experimental equipment for soil conservation. Impl. & Tractor 60(26): 18-19. Dec. 29, 1945. 58.8 W41

12919 WRIGHT, S. J. Agricultural mechanisation; the next phase. Fruit-Grower, Fruiterer, Florist & Market Gard. 100: 467-468. Dec. 13, 1945. 80 F941

12920 WRIGHT, S. J. Small farm mechanisation doubts. Farmer and Stock-Breeder 59: 1952. Dec. 4, 1945. 10 F228

Planting Machines and Fertilizer Distributors

12921 BOPF, E. C. Check-wire is essential for straight cross rows. Furrow, Indpl. - F. Ed., 50: 5, 13. Nov./Dec. 1945. 6 F98I  
Corn-planting equipment.

12922 MEYER, H. K. Manure loader equipment in the United States. Organic Gard. 8(2): 17-19. Jan. 1946. 56.8 Or3

Harvesting, Threshing, Drying, and Processing Equipment

12923 ABELLE, C. A. Using water effectively to cool milk. Kraftsman, Prod. Ed. 3(6): 6-7, 19. Nov./Dec. 1945. 44.8 K85

12924 BRODELL, A. P., and COOPER, M. R. Economics of machine milking. *Farm Impl. News* 66(26): 36-37. Dec. 20, 1945. 58.8 F22

12925 CALDWELL, S. A. G. On modernising a flax spinning mill - 2. *Fibres, Fabrics and Cordage* 12: 11, 13. Jan. 1945. 304.8 I42

12926 FARWELL, F. E. The elimination of green cane tops in heap rows -- the Pavy system. *Sugar B.* 24: 52. Jan. 1, 1946. 65.9 Am32

12927 GERDES, F. L. Mechanization of cotton production relative to processing & marketing. *Textile B.* 69(8): 34, 36, 39, 60-61. Dec. 15, 1945. 304.8 So82

12928 GOGOLEV, F. Prosteishaia zernosushilka [A most simple grain drier]. *Kolkhoz. Proizvod.* 5 (6): 29-30. June 1945. 281.8 K83

12929 HALPERIN, Z. Mechanized unloading of grapes. *Wine Rev.* 15(12): 8, 26. Dec. 1945. 390.8 W722

12930 HAMLY, D. H. A small separator for the recovery of milkweed floss and seed. II. Performance standardization. *Canad. J. Res.* 23: 383-387. Nov. 1945. 470 C16F

12931 HOPSON, G. H. Pre-rinsing for a clean milker. *West. Dairy J.* 2(3): 20-22. Jan. 1, 1946. 44.8 W524

12932 IAKUSHKIN, I. V., and ZELENNEV, A. A. Vovremia i bez poter' obmolotit' khleb. U. S. S. R. Narod. Komis. Zeml. Agrotekhsyety Kolkhoz., No. 25, 8 p. Moskva, 1945. 20 Ag88  
Grain threshing.

12933 IANKIN, P. Opyt raboty na shirokozakhvatnoi senokosilke. *Sovkhoz. Proizvod.* 5(4/5): 43-45. Apr./May 1945. 20 So85

Experimental work on hay mowing machine on the Zifanchurinsk state farm in the Chkalov region.

12934 JOHNSTON, W. C. Some notes on the production of meadow hay. *So. Austral. Dept. Agr. J.* 49: 122-128. Oct. 1945. 23 So84  
Methods, equipment.

12935 JUDD, L. Dairy farm mechanisation. *Austral. Milk & Dairy Prod. J.* 12(9): 10-12. Sept. 1945. 44.8 Au72

12936 KOHN, R. Separation by air stream and stratification. *Miller* 71: 850-853. Dec. 3, 1945. 298.8 M61

12937 LUNDBERG, E. Home refrigerated lockers. *S. Dak. State Hort. Soc. Ann. Rpt.* (1945) 42: 17-20. 81 So86

12938 MATTINGLEY, B. W. Vacuum in canned grapefruit using a flash exhaust device. *Crown* 35(1): 17, 27. Jan. 1946. 389.8 C88

12939 MODERNISATION of flax, hemp and jute machinery in wartime - 5. Rovings and gill spinners. By Lincojute. *Fibres, Fabrics and Cordage* 11: 175. May 1944. 304.8 I42

12940 MORRISON, W. L. Problems facing cabinet distributors. *Quick Frozen Foods* 8(5): 96, 98. Dec. 1945. 389.8 Q4

12941 MYERS, A. Quality necessary in equipment for quality production. *Wine Rev.* 13(12): 10-11. Dec. 1945. 390.8 W722

12942 ORD, C. Preparation and spinning of hard fibres - 5, 6. *Fibres, Fabrics and Cordage* 12: 112-113, 164-165. Mar., Apr. 1945. 304.8 I42  
5. Modern drawing frames; 6. Modern gill spinners.

12943 PERRY, R. L. The direct-expansion system of cooling milk on dairy farms. *Agr. Engin.* 26: 511-515. Dec. 1945. 58.8 Ag83

12944 RICE, E. S. Provender milling. *Milling* 105: 376, 378; 398; 416-417; 460-462; 106: 16. Nov. 24, Dec. 1, 8, 15, 22, 1945; Jan. 5, 1946. 298.8 M622

Contents: Miscellaneous machinery, corn cutters, cake breakers, mixers; Mixers (cont.); Cubing machines; Maize flaking machinery; Processing-intake and storage.

12945 RUSSELL, R. C. Machinery for pre-packaging. *Calif. Fruit and Veg. Rev.* 6(10): 24-25, 63, 65, 67. Jan. 1946. 80 C1224

12946 SCHWARTZ, P. L. Sensational new milk strainer introduced. *Calif. Dairyman* 25(23): 32. Dec. 22, 1945. 44.8 C12

12947 SHELTON, C. F. Potato harvesting machinery. *Ohio Veg. and Potato Growers Assoc. Proc.* (1944) 29: 125-134. 75.9 Oh3

12948 SOBRERO, L. R. Cuidado y manejo de la cosechadora. *Pampa Argentina* 19(218): 8-9. Oct. 1945. 9 F19

12949 STATELER, E. S. Now - quick dehydration. Moisture content is reduced to less than 5 percent in 80 minutes. *Food Indus.* 17: 1450-1452, 1590, 1592, 1594, 1596. Dec. 1945. 389.8 F737  
Describes dehydration of carrots.

12950 TARKOVSKII, and MALII, L. Uborka i obmolot semennikov trav [Harvesting and threshing of seeds of forage plants and grasses]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsyety Kolkhoz., No. 24, 8 p. Moskva, 1945. 20 Ag88

12951 THAYER, R. H. Measuring egg quality with mirrors. *Butchers' Advocate* 118(24): 16-17. Dec. 12, 1945. 286.85 B97

12952 TURNER, C. N. New developments in hay harvesting and curing. *Agr. Engin.* 26: 501-503, 510 Dec. 1945. 58.8 Ag83  
Barn driers.

12953 WARNE, M. L. Hay hauling machine. *Dak. Farmer* 65(24): 5. Dec. 22, 1945. 6 D14

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

12954 ARANDA HEREDIA, E. Tractores con neumaticos. *Agricultura [Madrid]* 14: 504-510. Oct. 1945. 15 Ag84

12955 BARTON, D. On the move. *Hawaii Farm and Home* 8(12): 3-5. Dec. 1945. 25 H3191  
Trucks replacing railroads in Hawaiian cane fields.

12956 BELL, L. J. Will it "stick" to its job? *Farmers Weekly [London]*, 23(24): 37, 38. Dec. 14, 1945. 10 F2226

Suggestions for increasing traction of tractor wheels.

12957 DAVIES, A. C. British tractors do great job; farms and forests to fighting fronts. *Farmer and Settler* 40(40): 9. Nov. 2, 1945. 23 F226

12958 DAVIES, A. C. New tractor efficiency helps British farmers to break records. *Farmer and Settler* 40(39): 9. Oct. 26, 1945. 23 F226

12959 DAVIES, A. C. Wartime trends in construction of British tractors. *Farmer and Settler* 40 (38): 9. Oct. 19, 1945. 23 F226

12960 FRANK, S. The American windmill. *West. Livestock J.* 24(6): 108, 110. Dec. 1945. 6 F2278

12961 GORSKII, A. Statsionarnyi gazogenerator [A stationary gas producer]. *Sovkhoz. Proizvod.* 5 (6): 39-46. June 1945. 20 So85

12962 HARVESTER unveils the Farmall Cub--smallest tractor yet built. *Impl. & Tractor* 60(22): 39-40. Nov. 3, 1945. 58.8 W41

International Harvester's preview of farm equipment  
12963 KRUEGER, W. C. Let's repower that tractor. *Country Gent.* 116(2): 21, 79. Feb. 1946. 6 C833  
Converting to high compression, reconditioning and overhauling are postwar possibilities for lessening tractor troubles in 1946.

12964 LANE, L. A homemade bulldozer. *Farm and Ranch* 65(1): 33. Jan. 1946. 6 T31

12965 LINTVAREV, B. Puti ekonomii gorfuchego [Methods of economizing tractor fuel]. *Sovkhoz. Proizvod.* 5(4/5): 40-43. Apr./May 1945. 20 So85



12966 MAR'IN, G. Traktornafa brigada na uborke [The tractor brigade on harvesting work]. Kolkhoz. Proizvod. 5(6): 7-8. June 1945. 281.8 K83

Cooperation of machine-tractor stations and collective farmers on the collective Kalinin farm in the Saratov region.

12967 MATHER, J. W. Loaning fuel equipment presents problems. News for Farmer Coops. 12(10): 9, 18-19. Jan. 1946. 166.2 N47

12968 SHAWL, R. I. Tractor repair and maintenance. Seventh installment: fuel system and carburetor. Farm Impl. News 66(25): 47-48. Dec. 6, 1945. 58.8 F22

12969 UL'MAN, I. Ratsional'nye metody restavratsii traktornykh detalей [Rational methods of repairing tractor parts]. Sotsialist. Sel'sk. Khoz. 16(7/8): 67-71. July/Aug. 1945. 281.8 S673

12970 WELSH, C. Ten clinical case studies of tractor motor adjustments. Impl. & Tractor 60(22): 56-57, 60, 110. Nov. 3, 1945. 58.8 W41

12971 WETZEL, G. F. Removal of restrictions calls for check of present shop equipment. Impl. & Tractor 60(22): 52-55, 100. Nov. 3, 1945. 58.8 W41

Tractor repair shops.

## FARM STRUCTURES

### General

12972 AGERTOFF, K. Fabriksfremstillet landbrugsbygning. Et svenak forsøg [The prefabricated farm building. A Swedish experiment]. Tidsskr. for Landøkonomi, No. 11, p. 508-511. Nov. 1945. 11 T43

12973 C., L. A. Agricultural engineers discuss farm structures at fall meeting in Chicago. Miss. Val. Lumberman 76(50): 8-9. Dec. 14, 1945. 99.8 M69

Written under the direction of H. K. Lange.

12974 RUSSELL, B. Will you build with steel. Country Gent. 116(2): 24-25, 91-92. Feb. 1946. 6 C833

Farm buildings.

12975 TOMORROW'S buildings: the needs and the plans. Farmers Weekly [London] 23(24): 30-31, 33. Dec. 14, 1945. 10 F2226

Some typical designs and proposals from the report on farm buildings by the committee set up in 1942 by Mr. R. S. Hudson "to consider and make recommendations regarding...farm buildings after the war."

12976 WIDSTROM, Å. Tomarps kungsgård i Skåne; Sveriges modernaste ekonomibyggnader? [Tomarp royal farm in Skåne; Sweden's most modern farm buildings?] Lantmannen 29: 1050-1053. Nov. 24, 1945. 11 L234

### Farmhouses

12977 ASHEY, W., and SIMONS, J. W. A house for G. I. Joe. South. Agr. 76(1): 15. Jan. 1946. 6 S683

12978 HEM, E. F. They did it on a shoestring. Successful Farming 44(1): 28-29, 49. Jan. 1946. 5 Sul2

Adventures in farming and farmhouse building.

12979 IMPROVED type gum turpentine worker's house plans are now available - free of charge. AT-FA J. 8(3): 8-11. Dec. 1945. 309.8 Am3

12980 MCMILLAN, R. T. Farm housing in Oklahoma. Southwest. Social Sci. Q. 26: 228-238. Dec. 1945. 280.8 S682

12981 MCRAE, F. Homes - not houses. Plantation building in the future will accent the human approach. Hawaii Farm and Home 8(12): 6-7, 70-71. Dec. 1945. 25 H3191

12982 ROSSY MALBERT, A. Casa-habitación para peon o puestero soltero y otro proyecto para peon o puestero casado sin hijos. Hereford 11: 406-408. Sept./Oct. 1945. 43.8 H42

12983 WELCH, T. H. Remodeling the farm home. Mont. Farmer 33(7, i.e. 8): 5. Dec. 15, 1945. 6 M764

### Service Buildings

12984 BLIN, H. Un châssis-cloche pour culture maraichère. Rev. Hort. [Paris] 116: 129. Aug./Sept. 1944. 80 R32

12985 BRUN-MÖLLER, P. Havens detaille - rigtig og forkert. Haven 45: 73. Oct. 1945. 80 H29

Directions for making a compost container for the garden.

12986 ERLIJMAN, M. Como se construye un banadero. Pampa Argentina 19(218): 18-19. Oct. 1945. 9 P19

12987 GARNER, C. E. The battery house and cage. Mod. Poultry Keeping 58: 429. Dec. 12, 1945. 47.8 E83

12988 GLEASON, H. D. This turkey producer likes handy, homemade equipment. Washcoegg 23(8): 12. Jan. 1946. 47.8 W27

12989 KIPLINGER, D. C. Humidity in the greenhouse. Ohio Florists' Assoc. Monthly B. 196, p. 2-3, processed. Jan. 1946. 81 Oh36

12990 LANGE, H. K. Hen housing - \$1.40 per bird. Successful Farming 44(1): 21, 36-37. Jan. 1946. 6 Sul2

12991 LEE, C. E. Summer shelter makes low cost winter laying house. Everybody's Poultry Mag. 50(9): 6-7, 22-23. Oct. 1945. 47.8 F213P

12992 NILSSON, E. En laghusladugård [A low house barn]. Lantmannen 29: 1111-1112. Dec. 8, 1945. 11 L234

Description and plan.

12993 REID, D. H. Ups and downs in the laying houses. Tex. Farming and Citric. 22(6): 11. Dec. 1945. 80 T31

12994 WARREN, R. Poultry reminders. New England Homestead 118(34): 12. Dec. 22, 1945. 6 N442

Housing in winter.

12995 WILSON, F. C. The electric hotbed. Gard. Chron. Amer. 50(1): 7, 20, 26. Jan. 1945. 80 G1622

### Storage Structures

12996 LAURSEN, J. Ensileringsens status 1945. States støtte til opførelse af ensilagebeholdere. Tidsskr. for Landøkonomi, No. 7, p. 295-303. July 1945. 11 T43

Government aid for the construction of silos in Denmark.

12997 MARTIN, J. How about building an ice-house? West. Farm Leader 11: 22-23. Jan. 15, 1946. 280.28 W52

12998 OSSE, L. Estrumeiras. Parte VII - Elevadas com paredes definitivas. Rev. dos Criadores 16(10): 28, 16. Oct. 1945. 43.8 R32

12999 SKÖLDENBERG, P. G. Monteringsfärdig spannmålesilo av trä [Grain silo prefabricated of wood]. Lantmannen 29: 1121-1122. Dec. 15, 1945. 11 L234

Cost and construction.

### Farm Utilities

13000 AIKEN, G. D. Development of the St. Lawrence: benefits to rural electrification. Rural Electrification 4(4): 17, 31. Jan. 1945. 335.8 N21

13001 BLANCHET, J. L'électrification rurale. IX. Conclusions pratiques. Terre de Chez Nous 18(11): 7. 7 T27

13002 BROWN, C. A. C. Electricity in clean milk production. St. Brit. Min. Agr. Agriculture 52: 391-396. Dec. 1945. 10 G79J

13003 ELECTRICITY in horticulture; many possible applications. By "Cincinnati." Elect. Rev. 137: 815-817. Dec. 7, 1945. 335.8 EL22

- 13004 GILBERT, T. C. Farm wiring. Elect. Times 108: 738-739. Dec. 6, 1945. 385.8 EL26
- 13005 GOVORUSEKIN, V. Na stroitel'stve mezhkol-khoznoi gidroelektrostantsii. Kolkhoz. Proizvod. 5 (7): 19. July 1945. 281.8 K83
- Construction of hydroelectric station on the Oka river by 45 collective farms.
- 13006 HEIMFEL, L. G. Two-heater water system. Family Herald and Weekly Star 76(48): 14. Nov. 28, 1945. 7 F21
- 13007 KILMISTER, L. M. Your health comes first. Farm sanitary facilities inadequate. Saskatchewan Farmer 37(1): 8. Jan. 2, 1946. 7 Sa74
- 13008 LAMBERT, R. J. Electricity will work for less money. Farm and Ranch 65(1): 16. Jan. 1946. 6 T31
- 13009 SALTVOED, F. Olds farmers acclaim electric power lines. Farm and Ranch Rev. 40(1): 14. Jan. 1946. 7 F223
- Olds district, Alberta.
- 13010 SCHWABACHER, G. P. Don't skimp on wiring. Farm J. 70(1): 30. Jan. 1946. 6 F2212
- 13011 STEWART, E. A. Europe leading U. S. in farm service a myth. Valid comparisons between rural electrification in U. S. and in European countries are impossible, but available data show our nation far ahead. Elect. World 125(1): 67. Jan. 5, 1946. 335.8 EL2
- 13012 TSVETOV, I. A. Kolkhoznaiâ gidrotsentral'. Kolkhoz. Proizvod. 5(6): 13-15. June 1945. 281.8 K83
- Planning the construction of an hydroelectric station on the Oka river by collective farmers.
- 13013 WHITE, R. F. Power in the dairy. Austral. Milk & Dairy Prod. J. 12(9): 5-7, 9. Sept. 1945. 44.8 Au72
- 13014 WICKARD, C. R. Need aid of farm leaders to electrify rural America; county agents and "ag" teachers promote program of rural electrification. Better Farming Methods 18(1): 26, 34. Jan. 1946. 58.8 B46

#### Materials and Methods

- 13015 FISHER, H. S. Building with concrete masonry. If you plan to build a concrete block building here's help. This Month in Rural Ala., Jan. 1946, p. 6. 6 T34
- 13016 GIESE, H., and HENDERSON, S. M. The structural application of glue in framing farm buildings (part II). Agr. Engin. 26: 507-510. Dec. 1945. Ref. 58.8 Ag83
- 13017 KENNEDY, A. C. How to paint farm buildings and farm equipment. Better Farming Methods 18(1): 46-47. Jan. 1946. 58.8 B46
- 13018 OSBOEN, J. L. Make your own brick. Farm and Ranch 65(1): 24. Jan. 1946. 6 T31
- 13019 SYME, P. S. Developments in building materials - and their uses. New Zeal. J. Agr. 71: 461-464. Nov. 1945. 23 N48J
- Concrete blocks, asbestos siding, plywood, etc.

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

##### GENERAL

- 13020 BAGGE, F. Produktions- och avsättnings-förhållandena för jordbrukets produkter under 3:e kvartalet 1945. Lantmannen 29: 1030-1034. Nov. 17, 1945. 11 L234
- Production and marketing of agricultural products in Sweden.

- 13021 CASSELS, J. H. Calories or catastrophe; tragic food shortages in Europe's cities are real, and America must accept a course of action that will protect its vital stake in world security. Here is an estimate of the needs of our starving neighbors and a program for supplying our just share. Food Indus. 18(1): 71-74. Jan. 1946. 389.8 F737
- 13022 CASSELS, J. M. The European food problem. Acad. Polit. Sci. New York, Proc. 21: 476-487. Jan. 1946. 280.9 Acl
- 13023 FITZGERALD, D. A. Food situation over world is most difficult since beginning of the war. (Sum.) Feed Bag 21(12): 43-44, 62. Dec. 1945. 389.78 F32
- Includes feed situation in United States.
- 13024 FOOD control in the Madras Province. III, IV, VI, VII. East. Econ. 5: 588-590, 625-626, 715-716, 755-756. (Concl.) Oct. 19, 26, Nov. 6, 23, 1945. 280.8 Ea72
- Wartime food administration.
- 13025 HARDING, T. S. Food forecast for 1946. Amer. Cookery 51(5): 30-31, 48. Jan. 1946. 389.8 B65
- 13026 LUND, C. E. Foodstuffs, fats, and oils. Dom. Com. 34(1): 30-33. Jan. 1946. 157.54 D713
- Situation and outlook.
- 13027 MUEHL, J. F. Famine is like this. Asia and Americas 46(1): 40-43. Jan. 1946. 286.8 Am31
- The Bengal famine of 1943/44.
- 13028 RUSSELL, SIR E. J. The feeding of Europe: III. Eastern Europe. Victory Farm Forum, No. 21, p. 10-11. Jan. 1946. 281.8 F226
- 13029 SCHIFFMAN, E. Cotton and soybeans up their quotas. News for Farmer Coops. 12(10): 12. Jan. 1946. 166.2 N47
- Reviews activities of cotton and soybean cooperatives during the war.
- 13030 UNION SUISSE DU COMMERCE ET DE L'INDUSTRIE. Rapport sur le commerce et l'industrie de la Suisse en 1944, 216 p. Zurich, 1945. Ref. 262 Un32
- Includes fibers and textiles, paper, livestock and dairy products, fruits and vegetables, beverages, and tobacco.

#### ANALYSIS AND COMPOSITION

- 13031 WHELTON, R., and others. Control of microbiological food spoilage by fumigation with epoxides. Pt. 1. Food Indus. 18(1): 91-93. (To be cont.) Jan. 1946. 389.8 F737
- H. J. Phaff, E. M. Mraz, and C. D. Fisher, joint authors.

#### CONSUMPTION AND UTILIZATION

- 13032 ALTON, J. Industrial alcohol; an answer to the farm surplus problem. Farm Credit Admin. Omaha. Farm Credit Leader 3(1): 3-5. Jan. 1946. 284.28 F229
- 13033 DUPRAT, E. Los microbios y la "química." Argentina. Sec. de Indus. y Com. B. 1(9/10): 236-240. June/July 1945. 280.9 Ar3
- Bacterial activity in chemurgy as a means of utilizing Argentine agricultural surpluses.
- 13034 HYLE, D. Chemurgy - reclamation of agricultural wastes. Impl. & Tractor 60(25): 38, 42, 44. Dec. 15, 1945. 58.8 W41
- 13035 JONES, J. I. Agricultural products as raw materials for the plastics industry. Part III. Brit. Plastics 17: 451-461. Nov. 1945. Ref. 309.8 B76
- At head of title: Petroleum? Coal? Agriculture? On which will the plastics raw materials be based?
- 13036 SCHOFFELMAYER, V. H. Chemurgy; what it is and how it will affect Texas and our Southwest. Tex. Acad. Sci. Proc. and Trans. (1944)28: 60-79. 500 T31
- 13037 SCHOFFELMAYER, V. H. Texas postwar crop utilization. Tex. Acad. Sci. Proc. and Trans. (1944)28: 182-188. 500 T31



13038 WELSH, J. L. Welsh sees chemurgy [sic] as means toward continued agricultural prosperity. Grain & Feed Rev. 35(3): 12, 57. Nov. 1945. 280.28 C78

## DISTRIBUTION, MARKETING, AND TRANSPORTATION

13039 AIKEN, G. D. The food allotment proposal. Wholesale Grocer News 20(8): 31, 64, 86. Nov. 1945. 286.83 W622

13040 BAIN, H. M. Special co-ops call for special answers. News for Farmer Coops. 12(10): 14. Jan. 1946. 166.2 N47

Cooperatives engaged in marketing special crops.

13041 CONYERS, L. N. Co-ops keep things moving. News for Farmer Coops. 12(10): 17. Jan. 1946. 166.2 N47

Wartime transportation difficulties of cooperatives.

13042 CORBALEY, G. C. Why food buying has gained so tremendously. Certified Milk 20(236): 5. Dec. 1945. 44.8 C33

13043 CUNNINGHAM, A. Frozen foods properly merchandised provide grocer profits and housewife complete meal. Iowa Food Dealer 15(4): 26-27. Dec. 1945. 286.28 I09

13044 DIPMAN, C. W. What's ahead in [food] distribution? Yankee Food Merchant 6(1): 5-6. (To be cont.) Jan. 1946. 286.83 Y1

13045 DUNLAP, W. A. Florida's State farmers' markets. Dom. Com. 34(1): 17-19. Jan. 1946. 157.54 D713

13046 ELANDER, A. Swedish wholesale trade. Skand. Banken. Q. Rev., No. 4, p. 105-109. Oct. 1944. 284.9 S11

13047 FORNACIARI, M. La adquisición de las cosechas por el Estado en la Republica Argentina; un gasto publico anticíclico. Rev. de Econ. y Estadis. [Cordoba] 7(1/2): 53-101. (To be cont.) 1945. 280.8 R3232

13048 FRENCH, E. R. Co-operation is theme of A & P merchandising. Calif. Fruit and Veg. Rev. 6(9): 56, 174, 176, 179, 182, 185. Dec. 1945. 80 C1224

13049 HARPER, F. A. The crisis of the free market. Natl. Indus. Conf. Bd. Studies Business Econ., No. 2, 83 p. N. Y., 1945. 280.9 N2168t

Includes price control and black markets.

13050 HORST, M. Secretary Horst shows how the farm co-ops benefit the public. Co-op Rev. 13(2): 2-11. Jan. 1946. 280.28 P38

Cooperative marketing.

13051 KNAPP, J. G. Purchasing co-ops continue to set pace. News for Farmer Coops. 12(10): 13. Jan. 1946. 166.2 N47

Activities of farm supply associations.

13052 LEHNER, A. Thinks family food distribution is better done by consumer. Co-op. Rev. 13(2): 14-17. Jan. 1946. 280.28 P38

Producer-consumer family food cooperative marketing movement.

13053 LUEBE, G. N. "The problem of control [in agriculture] has been confused"; distinction between marketing control boards and emergency control measures. Farmer [Pietermaritzburg] 34(49): 6. Dec. 7, 1945. 24 F227

13054 MURPHY, J. A. Marketing by subscription. The idea of selling a parcel a month grows by leaps and bounds. Advertising and Selling 39(1): 73, 156, 158, 160. Jan. 1946. 238.28 A493

Includes food and fruit clubs.

13055 PERRY, J. Food by allotment. New Repub. 113: 862-863. Dec. 24, 1945. 280.8 N

Explanation of the La Follette-Aiken Food Allotment Bill. S. 1151.

13056 POLZUNOV, A. Rechnoi transport kolkhoza Krasnaia Zvezda. Kolkhoz. Proizvod. 5(6): 28. June 1945. 281.8 K83

River transportation of agricultural products on the collective farm Krasnaia Zvezda.

13057 RICHARDSON, J. A man of many parts is the food broker. Canad. Grocer 60(1): 34. Jan. 1, 1946. 286.83 C162

The place of the food broker or middleman in the canning industry.

13058 RUDNI, I. ¿Es o no conveniente el monopolio del Estado para la comercialización de las cosechas? Chacra 16(182): 34, 93. Dec. 1945. 9 C34 Argentina.

13059 THOMSEN, F. L. What's ahead in the food field; prospective technological developments in marketing - a forecast of competitive trends in marketing canned, frozen and fresh foods. Canning Trade 68(23): 7-8, 20-22. Dec. 31, 1945. 286.83 T67

13060 WAUGH, F. V. What shall we do with surplus foods? J. Mktg. 10: 253-257. Jan. 1946. 280.38 J82

Recommends subsidized food consumption for low income families.

13061 WOOTEN, A. J. Create new commodities to be sold in new markets, expert says. Calif. Fruit and Veg. Rev. 6(9): 51, 198, 201. Dec. 1945. 80 C1224

Air transportation of perishable agricultural commodities.

## GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

13062 AMERICAN VETERINARY MEDICAL ASSOCIATION. SPECIAL COMMITTEE ON FOOD HYGIENE. Inspection of human food; outline for the preparation of governing legislation. Amer. Vet. Med. Assoc. J. 108(826): 25-26. Jan. 1946. 41.8 Am3

13063 HUTCHINGS, B. L., and EVERS, C. F. Research and quality control of precooked frozen foods. Refrig. Engin. 51(1): 26-29, 61, 78, 82. Jan. 1946. 295.9 Am32J

Also in Canner 102(3): 13-14, 26, 28. Jan. 5, 1946. 286.83 C16

13064 KAUFMAN, C. W. Common ailments of quality in processed foods; taste, odor and appearance of many types of products are affected by same enzymatic and chemical reactions, calling for a broad outlook on part of food technologists. Control of amino-aldehyde reaction is pressing problem. Food Indus. 18(1): 80-83. Jan. 1946. 389.8 F737

13065 MAYORAL PARDO, D. Cómo se hace el control de alimentos, medicamentos y enervantes en México; conveniencia de unificar el criterio para su control en los países del continente americano. Pan Amer. Union. B. de la Ofic. Sanit. Panamer. 24: 696-703. Aug. 1945. 150.9 B872

## PACKING AND PACKAGING

13066 CULLOM, W. F. Packaging fresh foods for sales appeal and more profits. Calif. Fruit and Veg. Rev. 6(9): 55, 168, 171. Dec. 1945. 80 C1224

13067 DRIEUX, H., and THIÉRY, J. P. La recherche des antiseptiques dans les boîtes de conserves. Acad. Vét. de France. B. 17: 89-90. Mar. 1944. 41.9 R24

13068 LOCKER kits...packages to fit the food. Mod. Packaging 19(5): 158, 174. Jan. 1946. 309.8 M72

13069 THE PROSPECT for 1946. Mod. Packaging 19(5): 87-93. Jan. 1946. 309.8 M72

Packaging needs and materials.

## PRICES, PRICE CONTROL, AND RATIONING

13070 BELL, E. W. Business demand outlook for 1946. Mass. State Col. Ext. Farm Econ. Facts, Jan. 1, 1946, p. 1-2. 275.29 M381Fa

Includes reference to agricultural prices.

13071 BRATTER, H. M. When money runs wild. Nation's Business 34(1): 62-69. Jan. 1946. 286.8 N212

Food and other prices in Europe and flourishing black markets.



- 13072 ESTATÍSTICA dos preços no varejo e no atacado. Brazil. Min. do Trab., Indus. e Com. B. 11 (132): 231-239. (Cont.) Aug. 1945. 255.3 B737A  
Data for jerked beef (charque) and cassava flour.
- 13073 FOGH, A. Landbrugets priser. Tidsskr. for Landøkonomi, No. 2, p. 103-108. Feb. 1945. 11 T43  
Discussion, p. 108-112.  
Prices of agricultural products in Denmark.
- 13074 GODFREY, A. M. "Guaranteed prices" must be economic. Poultry [London] 97: 374. Dec. 11, 1945. 47.8 P869
- 13075 HAAG, H. M. Farm incomes lower in 1946. Mo. Farmer 37(18): 10-11. Dec. 15, 1945. 6 M696  
Chiefly on prices.
- 13076 HADARY, G. An evaluation of the wartime farm price-support programs. J. Business. U. Chicago 18: 219-221. Oct. 1945. 280.8 J825
- 13077 HELLER, R. Another good year ahead. Mich. Farmer 206(1): 5, 32. Jan. 5, 1946. 6 M58  
Farm prices and income.
- 13078 HEMPHILL, P. V. North Dakota farm prices. N. Dak. Agr. Expt. Sta. Bimo. B. 8(2): 29-31. Nov./Dec. 1945. 100 N813B
- 13079 MOORE, A. "90% of Parity" has a catch. Prairie Farmer, Gen. Ed. 118(1): 12. Jan. 5, 1946. 6 P883
- 13080 O'LEARY, P. M. Wartime rationing and governmental organization. Amer. Polit. Sci. Rev. 39: 1089-1106. Dec. 1945. 280.8 Am33  
Includes food rationing and price control.
- 13081 OLSSON, H. Justeringen av jordbrukskalkylen och prissättningen på jordbruksprodukter. Sweden. Kommerkol. Jordbruksekonom. Uppgifter 7(2): 1-6. Feb. 1945. (Bound with Sweden. Kommerkol. Kom. Meddel., v. 32, No. 2) 257.3 K832K  
Agricultural income and prices in Sweden.
- 13082 PARKER, W. J. Discussion on price stabilization. Agr. Inst. Rev. 1(1): 28-30, 32. Sept. 1945. 7 Ag8  
Floor price legislation in Canada.
- 13083 PITT, D. T., HOAGLAND, L. P., and O'MALLEY, C. A. New Jersey farm prices during 1945. N. J. Farm and Retail Food Prices, v. 10, No. 5, 5 p. Jan. 11, 1946. 284.39 N46
- 13084 TAGGART, J. G. Stabilization of prices of farm products [in Canada]. Agr. Inst. Rev. 1(1): 19-20, 22-24, 26-27. Sept. 1945. 7 Ag8  
Includes discussion of parity.
- 13085 VICENS, A. Programa de precios garantizados [Puerto Rico]. Rev. del Café 1(1): 4, 38. June 1945. 8 R3295
- 13086 WAITE, W. C., and COX, R. W. Minnesota farm prices for November, 1945. Minn. U. Agr. Ext. Farm Business Notes, No. 276, p. 4. Dec. 27, 1945. 275.29 M663
- 13087 WELLMAN, H. R. Government price supports for agricultural products vs. free market prices. Calif. Citrog. 31: 74-75. Jan. 1946. 80 C125
- 13088 WORKING, E. J. Wage rates and future price levels. Ill. Farm Econ., No. 126, p. 293-299. Nov. 1945. 275.28 IL5  
Includes prices of agricultural products.
- PROCESSING AND STORAGE
- 13089 ADAMS, J. R. Expansion of locker plant industry continuing. Frosted Food Field 1(6): 3. Dec. 1945. 389.8 F922
- 13090 ADAMS, J. R. Frozen food study helps employees. Frosted Food Field 1(6): 12. Dec. 1945. 389.8 F922
- 13091 ATKINSON, I. S., and WOODROOF, J. G. Freezing preservation of cooked foods. South. Canner & Packer 6(12): 20-23, 26. Dec. 15, 1945. 389.8 So82
- 13092 BALLS, A. K. Investigation of various food processing targets [Germany]. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1293, 13 p., processed. Washington, 1945. 157.8 R29
- 13093 CLARKE, W. T. German food processing and manufacturing targets. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1281, 43 p., processed. Washington, 1945. 157.8 R29
- 13094 DAVIS, C. F. Preserving product quality with new ingredients. Food Indus. 17: 1462-1464. Dec. 1945. 389.8 F737
- 13095 FALCIONI, A. C. Frío industrial. Chacra 16(182): 60-61. Dec. 1945. 9 C34  
Methods of preservation of food by cold, such as cold storage and freezing.
- 13096 FIDLER, J. C., and DAVIES, R. Dried soup powders. II. Compounded. Food Manufacture 21(1): 30-32. Jan. 1946. 389.8 F736
- 13097 FITZGERALD, G. A. Quality in the locker plant. Quick Frozen Foods 8(5): 126-127. Dec. 1945. 389.8 Q4  
Services.
- 13098 HAVIGHORST, C. R. So you are going into freezing? Food Indus. 17: 1471-1475. Dec. 1945. 389.8 F737
- 13099 JAFFE, S. Frozen food lockers in apartment houses. Quick Frozen Foods 8(5): 128-130. Dec. 1945. 389.8 Q4
- 13100 JONES, F. W. Locker industry facing changes. Frosted Food Field 1(6): 11. Dec. 1945. 389.8 F922
- 13101 LEFFLER, G. L., and BROWN, M. V. 25 years of food processing. Food Indus. 18(1): 107. Jan. 1946. 389.8 F737
- 13102 MACKINNEY, G. Quick freezing of foods in liquid nitrous oxide; I. G. Farben at Höchst. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1269, 9 p., processed. Washington, 1945. 157.8 R29
- 13103 MACKINNEY, G. Summary report on German research and technology in food. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1250, 10 p., processed. Washington, 1945. 157.8 R29
- 13104 MANN, L. B. Locker plants grow up. News for Farmer Coops. 12(10): 13. Jan. 1946. 166.2 N47  
Services of cooperative locker plants.
- 13105 MARSHALL, R. E. Plant sanitation conference. Fruit Prod. J. and Amer. Food Mfr. 25: 83-84, 91-92. Nov. 1945. 389.8 F94  
Includes rodent and insect control in canning and freezing plants.
- 13106 PEARL, I. A., and MCCOY, J. F. Vanillic acid esters as food preservatives. Food Indus. 17: 1458-1461, 1600, 1602, 1604, 1606. Dec. 1945. 389.8 F737
- 13107 PERRY, R. L. Summary report on food and agriculture targets. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1282, 12 p., processed. Washington, 1945. 157.8 R29  
On food refrigeration in Germany.
- 13108 RORTY, J., and NORMAN, N. P. TVA engineers save crops by quick freeze methods. Coop. Cons. 12(23): 2. Dec. 18, 1945. 280.26 C7836
- 13109 STARE, F. A. Canning industry looks ahead. West. Canner and Packer 37(13): 60-62. Dec. 1945. 286.83 W522
- 13110 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FOODSTUFFS UNIT. The dehydration industry in Cuba. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 3, 1 p. Washington, 1945. 157.54 In235  
Digested from report by C. W. Smith.
- 13111 WEAVER, D. S. More freezer lockers are coming. Carolina Co-op. 23(12): 11, 14. Dec. 1945. 72.8 N81
- 13112 WILLIAMS, E. W. How to get started in frozen food distribution. Quick Frozen Foods 8(5): 63-67. Dec. 1945. 389.8 Q4
- 13113 WOODROOF, J. G. Frozen foods in the home. Va. Fruit 34: 157-159. Jan. 1946. 81 V81B
- 13114 ZAROTSCHENZEFF, M. T. El proceso de la congelación rápida. Res 13: 18338-18339, 18340. Nov. 20, 1945. 286.85 R31



## STATISTICS

13115 ANIS, M. Value of agriculture [sic] products and other commodities pertaining to agriculture for the years 1937-1942. *Egypte Contemporaine*, No. 225, p. 357-368. Mar. 1945. 270 E95

Statistics of area, production, prices, and value of crops.

13116 BUENOS AIRES. DIRECCIÓN DE IDENTIFICACIÓN CIVIL Y ESTADÍSTICA GENERAL. Anuario estadístico, 7th, 1942, 788 p. La Plata, 1945. (P. 283) 255.1 B86Ab

Contains statistics of livestock, crop production, prices, leases, rural property sales, and credit.

13117 CREEK, C. R. Connecticut Valley cash crops outlook. *Mass. State Col. Ext. Farm Econ. Facts*, Jan. 1, 1946, p. 5. 275.29 M381Pa

Acreage and yields of tobacco and vegetables.

13118 DENMARK. STATISTISKE DEPARTEMENT. Statistik aarbog, 1945, 343 p. København, 1945. 257.1 St2

In Danish and French.

Includes agricultural statistics.

13119 GROSS, F. C. Turretfield Seed Wheat Farm; the 1944-45 season. *So. Austral. Dept. Agr. J.* 49: 129-131. Oct. 1945. 23 So84

Yields for wheat crop, fodder crops, and livestock.

13120 INDIAN STATISTICAL INSTITUTE. Twelfth annual report: 1943-44. *Sankhya* 7(1): 107-120. Aug. 1945. 251.8 In2

Crop survey work included.

13121 IVERSEN, M. Vore handels- og industriafgrøder, en bedriftstatistisk undersøgelse. *Tidskr. for Landøkonomi*, No. 1, p. 44-66. Jan. 1945. 11 T43

Statistics of agricultural crops in Denmark in 1944.

13122 NOBLE, K. F. Agricultural and pastoral production in Queensland. *Canada. Dept. Trade and Com. Com. Intel. J.* 74: 89. Jan. 26, 1946. 286.8 C16

Statistical.

13123 WAGENIUS, Å. Översikt över livsmedelsproduktionen under 1944. *Sweden. Kommerskol. Jordbruks-ekonom. Uppgifter* 7(3): 6-14. Mar. 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 32, No. 3) 257.3 K832K

Food production in Sweden in 1944.

13124 ZETTERBERG, O. Arealinventeringen i oktober 1944. Planerad vårsädd år 1945. *Sweden. Kommerskol. Jordbruks-ekonom. Uppgifter* 7(1): 7-9. Jan. 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 32, No. 1) 257.3 K832K

Statistics on acreage under cultivation in Svealand, Götaland, and Gävleborg.

13125 ZETTERBERG, O. Preliminära resultat från sommarens arealinventering och beräkningar angående storleken av 1945 års skörd. *Sweden. Kommerskol. Jordbruks-ekonom. Uppgifter* 8(8): 1-6. Aug. 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 32, No. 8) 257.3 K832K

Acreage statistics and crop prospects in Sweden in 1945.

## BEVERAGES AND CONDIMENTS

13126 ABORN, E. Better coffee brewing devices will increase coffee consumption. *Tea & Coffee Trade J.* 90(1): 52-54. Jan. 1946. 68.8 T22

13127 AUSTRALIAN WINE BOARD. Annual report, 17th, 1944/45, 12 p. Canberra, 1945. 390.9 Au72

13128 BERGHOFF, J. A. The farm market... neglected but not forgotten. *Amer. Brewer* 79(1): 26-27. Jan. 1946. 390.8 Am3

Program for increasing beer consumption on farms.

13129 BONIS, M. Standardisation de l'analyse des rhums. *Guadeloupe. Serv. de l'Agr. Rev. Agr.* (n. s.) 2: 186-191. (To be cont.) Nov. 1945. 8 R327

13130 BONWIT, J. A. Government views coffee subsidy as best solution to price dilemma; expect large 1946 coffee crops to cut prices after the present subsidy plan is terminated. *Tea and Coffee Trade J.* 89(6): 40, 42. Dec. 1945. 68.8 T22

13131 BROOKS, J. London tea industry optimistic and plan rehabilitation of trade. *Tea and Coffee Trade J.* 89(6): 52, 54. Dec. 1945. 68.8 T22

13132 CADDOW, H. A. The outlook for viticulture. *California* 35(9): 12, 49. Sept. 1945. 280.8 C12

The wine industry.

13133 CAMARGO, R. DE. Padronização do café. I. São Paulo. Supt. dos Serv. do Café. B. 20: 665-669. June 1945. 68.29 Sa63

13134 CONCHE, H. 1945 points the way to champagnes and sparkling wines. *Wines & Vines* 26(12): 12, 38-39. Dec. 1945. 95.8 C122

Methods of increasing sales.

13135 CORREA, L. G. Plan de fomento cacaotero [Colombia]. *Agr. Trop.* 1(11): 13-15. (To be cont.) Dec. 15, 1945. 26 Ag8

Discusses factors operating against development of cacao production, quantity of production, imports, and tariffs.

13136 CORREA LUNA, N. Consideraciones sobre el envasado de los vinos de consumo corriente en Montevideo. *Uruguay. Min. de Canad. y Agr. B. Inform.* 2: 456-457. Dec. 6, 1945. 9.9 C15B

13137 DAVITTO, B. Vermouth as a big seller. *Wines & Vines* 26(12): 11, 38. Dec. 1945. 95.8 C122

Selling methods.

13138 FREESTONE, F. Australian light wines and sweet; grape growing is one of Australia's major industries and Australian wines are amongst the best in the world. *Fruit Prod. J. and Amer. Food Mfr.* 25: 109-111, 125. Dec. 1945. 389.8 F94

13139 FROLOV-BAGREEV, A. M., and SAENKO, N. F. O drozhzhakh, vydelenykh iz kheresnoi plenki (The yeast isolated from the sherry film). *Mikrobiologiya* 14: 320-323. 1945. 448.3 M582

English summary.

13140 FROMM, A. The brandy picture - prewar and postwar. *Wines & Vines* 26(12): 17. Dec. 1945. 95.8 C122

13141 HINTON, C. L. Cocoa and chocolate products; an explanation of the new United States standards. *Food (London)* 14: 256-258. Oct. 1945. 389.8 F738

13142 KAPPENBERG, W. Various manufacturing methods for producing coffee concentrate. *Tea and Coffee Trade J.* 89(6): 15, 26, 28, 30, 32, 34, 36, 38. Dec. 1945. 68.8 T22

13143 KOSTER, F. J. Wine's allies. *California* 35(9): 15, 46. Sept. 1945. 280.8 C12

Includes bottling, transportation, and marketing.

13144 LAMOREE, R. A. Tartrate recovery - a necessary winery operation. *Wines & Vines* 26(12): 25. Dec. 1945. 95.8 C122

13145 LANZA, H. O. Light sweet wine. *Wines & Vines* 26(12): 29. Dec. 1945. 95.8 C122

Urges production and advertising of sweet table wines to appeal to the public taste for sweet wine.

13146 LEE, W. H. Sees coffee supply demand balanced in '46. *Spice Mill* 69(1): 25. Jan. 1946. 389.8 Sp4

13147 MANGEL N., R. Cosecha y beneficio del cacao. *Panama. Min. de Agr. y Com. Rev. de Agr. y Com.* 5(50): 52-55. Oct. 1945. 8 R3291

13148 MARSHALL, L. K. The [California] Wine Advisory Board looks ahead; coordinated efforts in many directions mark the industry's promotional program. *Wines & Vines* 26(12): 19, 35-36. Dec. 1945. 95.8 C122

13149 MENDES, J. E. T. Semelhanças e diferenças entre a lavoura cafeeira de Santa Catarina e a da Colômbia. III. Preparo do produto. São Paulo. Supt. dos Serv. do Café. B. 20: 644-653. June 1945. 68.29 Sa63



13150 NICORA, C. D. San Rafael, emporio del buen vino. Rev. Mens. B. A. P. 29(337): 9-15, 17-24. Dec. 1945. 9 R326

Interviews with individuals connected with the wine industry.

13151 P., E. Die bedeutung der weinlese in der diesjehrigen herbstsituation. Schweiz. Z. f. Obst-u. Weinbau 53: 363-365. Sept. 30, 1944. 80 Sch9

13152 PAIVA, R. M. Política de preços do café. São Paulo. Supt. dos Serv. do Café. B. 20: 688-692. June 1945. 68.29 Sa63

13153 PAN AMERICAN COFFEE BUREAU. World coffee production and consumption prospects. Pan Amer. Coffee Bur. Coffee Statist. Release 10, p. 3-10, processed. N. Y., 1945? 286.3689 P19

This release also contains statistics of coffee exports from Latin America 1943-44, p. 24-69.

13154 PENTEADO, E. Coffee producing countries need elimination of wartime [prices] controls. Tea & Coffee Trade J. 90(1): 16, 42. Jan. 1946. 68.8 T22

13155 PIERCE, R. Percentage for promotion. Wines & Vines 26(12): 31, 36-37. Dec. 1945. 95.8 C122

Percentage of income in a winery to be used for promotion of brands.

13156 REWALD, B. The phosphatides and oil in unroasted and roasted coffee beans. Oil & Soap 23(1): 19-20. Jan. 1946. 307.8 J82

13157 SAPPER, H. D. Ensayos prácticos de la preparación del café sugeridos por el Dr. J. N. Stern. Soc. Antioqueña de Agr. B. Agr., No. 311/312, p. 2527-2533. June/July 1945. 9.4 Sol

Processing.

13158 SCHOONMAKER, F. The future of quality wine. Wines & Vines 26(12): 21, 37. Dec. 1945. 95.8 C122

13159 SIEBEL, F. P., JR. Beer and brewing. Part IV. Bottler & Packer 19(12): 62, 64. Dec. 1945. 390.8 B65

13160 SOLARI, B. C. U. S. A., dessert wine nation. Wines & Vines 26(12): 14, 39. Dec. 1945. 95.8 C122

Situation and outlook.

13161 EL VALOR del café; discurso del presidente de la Asociación de Agricultores [Puerto Rico]. Rev. del Café 1(7): 20-22. Dec. 1945. 8 R3295

13162 WHITMORE, H. B. Vanilla-bean production and trade. Foreign Agr. 10(1): 11-16. Jan. 1946. 1.9 Ec7For

13163 ZAPATA L., G. El aumento de precios para el café. Soc. Antioqueña de Agr. B. Agr., No. 311/312, p. 2493-2495. June/July 1945. 9.4 Sol

Discusses production costs and shows that the present price does not afford the producer any profit.

#### DAIRY PRODUCTS

13164 ANDERSON, C. P. Anderson views dairying outlook. Idaho Farmer 64(1): 24. Jan. 1946. 6 G282

13165 ANDERSON, C. P. We must plan for plenty; address given at annual meeting of Inter-State Milk Producers' Cooperative, November 27, 1945. Holstein-Friesian World 43(1): 24-25, 62, 64. Jan. 5, 1945. 43.8 H742

Also in Inter-State Milk Prod. Rev. 26(8): 14-16, 22. Dec. 1945. 280.28 In83

Planning for the dairy industry and agriculture.

13166 B., W. F. Milk dealers and stooges try new swindle. Rural New-Yorker 105(5611): 3, 37. Jan. 5, 1946. 6 R88

Charges plot to wreck New York's dairy industry.

13167 BELL, E. W. Dairy outlook for 1946. Mass. State Col. Ext. Farm Econ. Facts, Jan. 1946, p. 1, 3. 275.29 M381Fa

13168 BIRD, H. E. Training young Londoners as practical dairymen. Amer. Milk Rev. 8(1): 32. Jan. 1946. 44.8 Am38

13169 BOND, T. H. Tribute to the cream producer. West. Farm Leader 11: 6. Jan. 4, 1946. 280.28 W52

Hardships of the Alberta cream producer.

13170 BRANDT, J. Dairying problems in the post-war period. Dakota Farmer 65(24): 3. Dec. 22, 1945. 6 D14

13171 BROWN, C. C. With restrictions lifted--where do we go from here? Dairy World [Chicago] 24(7): 13-14, 16. Dec. 1945. 44.8 D1423

Dairy industry policies.

13172 BRUBAKER, D. D. Dairy associations now face peacetime problems. News for Farmer Coops. 12(10): 11-12. Jan. 1946. 166.2 N47

Reviews activities of cooperatives processing and distributing dairy products.

13173 BRUBAKER, D. D. Have you stopped all the leaks? News for Farmer Coops. 12(10): 7, 17. Jan. 1946. 166.2 N47

Need for accurate checking of products handled in the dairy plant.

13174 CRONSHY, D. Two years ahead - what? Calif. Dairyman 25(23): XXIII-XXV. Dec. 22, 1945. 44.8 C12

13175 THE DAIRY and Ice Cream Equipment Association; an account of members' visits to U. S. A. and Australia. Dairy Indus. 10: 800-807. Nov. 1945. 44.8 D1427

Observations on the dairy industry by E. A. Shephard and F. J. Clarke.

13176 DERRICK, B. B., and BUSHEK, F. ADA [American Dairy Association] is at work for us. Inter-State Milk Prod. Rev. 26(8): 22. Dec. 1945. 280.28 In83

13177 EGDELL, J. W. Increased milk demand must be met; higher production if scientific knowledge is applied. Dairyman 62(11): 328. Dec. 1945. 44.8 D1426

Great Britain.

13178 FIFER, R. The butter industry at the crossroads. Pacific Dairy Rev. 49(12): 14-15, 24, 32. Dec. 1945. 286.85 F11

Also in West. Dairy J. 2(2): 14, 35-37. Dec. 1945. 44.8 W524

13179 FOWLER, D. S. Dairy industry costs, inquiries; "industrial milk producers have gained much." Farmer [Pietermaritzburg] 34(49): 8, 13. Dec. 7, 1945. 24 F227

13180 GANTT, P. A. It's 'ghee' in Fiji; dairying is on the upgrade in the British Crown colony. Hawaii Farm and Home 9(1): 6, 31. Jan. 1946. 25 E3191

13181 GORDON, G. E. High producers yield greater returns. Holstein-Friesian World 42: 2162. Dec. 15, 1945. 43.8 H742

Butterfat production.

13182 GREENE, S. H. Dairy farming is State's leading industry. Calif. Dairyman 25(23): X-XI. Dec. 22, 1945. 44.8 C12

13183 GUNDLACH, G. P., and ESMOND, C. W. Yes, we've got no milk today. Milk Dealer 35(4): 96. Jan. 1946. 44.8 M595

Prospects of the dairy industry.

13184 HOOD, H. P. Marching along together. South. Dairy Prod. J. 39(1): 74-75. Jan. 1946. 44.8 So83

Opportunities of the ice cream industry.

13185 HOUDINIÈRE, A. Le colostrum de vache: composition - propriétés; repercussions en industrie laitière. Lait 25(241/243): 27-50. (Cont.) Jan./Mar. 1945. 44.8 L143

13186 JENSEN, H. M. Mejeribrugget i Danmark 1944 [The dairy industry in Denmark 1944]. Tidsskr. for Landøkonomi, No. 7, p. 277-294. July 1945. 11 T43

13187 JOHNSON, J. M. A tribute to the milk industry. South. Dairy Prod. J. 39(1): 24, 31. Jan. 1946. 44.8 So83

Wartime record of the dairy industry.

Similar title in Certified Milk 20(236): 9, 17-18. Dec. 1945. 44.8 C33



- 13188 JONES, W. F. Future of Canadian dairying depends on export markets; milk production will provide surpluses that must be exported to maintain continued prosperity; subsidy removal should be gradual to retain stability and orderly marketing. *Canad. Dairy and Ice Cream J.* 25(1): 42, 44, 46, 48. Jan. 1946. 44.8 C162
- 13189 KAUFMANN, H. T. Dairy Council objectives. *Inter-State Milk Prod. Rev.* 26(8): 23, 31. Dec. 1945. 280.28 In83
- 13190 KOBRO, J. Noen aktuelle spørsmål for norsk meieribruk. *Meieriposten* 34: 555-559, 585-587. Oct. 20-27, 1945. 44.8 M47
- Problems of the Norwegian dairy industry.
- 13191 LLERAS, A. La producción de leche en la sabana de Bogotá. *Agr. Trop.* 1(11): 49-51. (To be cont.) Dec. 15, 1945. 26 Ag8
- Present state of the industry and importance of good pastures.
- 13192 MEEK, C. Should present economies be maintained in post war [dairy industry]? *Canad. Dairy and Ice Cream J.* 24(12): 29-30, 56. Dec. 1945. 44.8 C162
- 13193 MILK producers can grasp rich prize, by M. B. A. *Farmer & Stock-Breeder* 60: 65. Jan. 8, 1946. 10 F228
- Great Britain.
- 13194 MOSCRIPT, W. S. Dairy industry in excellent position to meet post war problems. *Twin City Milk Prod. B.* 29(12): 2-7. Dec. 1945. 44.8 T92
- 13195 PATTIT, F. C., and others. What's ahead for dairymen? *N. J. Farm and Gard.* 16(12): 12-13, 32-33. Dec. 1945. 6 G162
- T. L. Lawrence, H. W. Jeffers, Jr., S. B. Roberts, W. L. Lauderdale, E. A. Gauntt, and W. B. Kostenbader, joint authors.
- 13196 PIERCE, H. F. The ice cream business around the States. *Ice Cream Field* 46(6): 26, 28, 40-41. Dec. 1945. 389.8 Ic23
- 13197 PIPER, H. L. The milk situation. *New England Homestead* 118(23): 6. Dec. 8, 1945. 5 N442
- Similar title in *New England Homestead* 118(24): 2. Dec. 22, 1945.
- 13198 POMPA, A. Ice-cream problems; discussions on standards, ingredients and recipes. *Food [London]* 14: 266-267. Oct. 1945. 389.8 F738
- 13199 PROCTER, F. Some aspects of management in the dairy. *Dairy Indus.* 10: 874-877. Dec. 1945. 44.8 D1427
- 13200 SJÖHOLM, E. Osten i förkrigeniva. Rekord för mesvarutillverkningen. *Jordbrukarnas Föreningsblad*. Uppl. A; Östra Mellansverige och Gästrikland 15(41): 10. Oct. 13, 1945. 11 J762
- Cheese production in Sweden.
- 13201 STEINHAUER, R. M. What's happening to butter? *Butter and Cheese J.* 37(1): 44, 46. Jan. 1946. 286.85 B98Bu
- 13202 STITTS, T. G. What lies ahead for the dairy industry in 1946? *Amer. Milk Rev.* 8(1): 40-43. Jan. 1946. 44.8 Am38
- 13203 SUTTON, G. L. The Western Australian butterfat position. *Primary Prod. [Perth]* 30(45): 1 Nov. 8, 1945. 23 P932
- 13204 THOMANN, W. Die käseproduktion im winter 1944/45. *Schweiz. Milchtzg.* 71: 419-420. (Concl.) Nov. 30, 1945. 44.8 Sch92
- 13205 THOMPSON, D. L., and CARLSON, W. G. The dairy industry in Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1741, 13 p., processed. Washington, 1945. 157.8 R29
- 13206 THOMSEN, L. C. What are the reconversion problems of the creamery industry? *Milk Plant Monthly* 34(12): 22-23. Dec. 1945. 44.8 C864
- 13207 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FOODSTUFFS UNIT. The Cuban dairy industry. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 2, 5 p. Washington, 1945. 157.54 In235
- Digested from reports of C. W. Smith, P. G. Minneman, and C. A. Boonstra.

13208 WALLACE, A. T. Georgia, land of milk and honey. *Ga. Agr.* 37(1): 6, 15. Oct. 1945.

276.8 G29

Development of the dairy industry in Georgia.

13209 WALWORTH, G. Prospects for post-war development in the [British] dairy industry. *Dairy Indus.* 10: 783-791. Nov. 1945. 44.8 D1427

Discussion, p. 791-792, 799.

13210 WELTY, B. H. Some things we face. *Inter-State Milk Prod. Rev.* 26(8): 8-9, 13. Dec. 1945. 280.28 In83

Outlook for the dairy industry.

13211 WH. Beschränkung der buttererzeugung. *Schweiz. Milchtzg.* 71: 436. Dec. 14, 1945. 44.8 Sch92

#### Analysis and Composition

13212 ARCHIBALD, J. G. Some effects of thyroprotein on the composition of milk. *J. Dairy Sci.* 28: 941-947. Dec. 1945. 44.8 J822

13213 BARKWORTH, H. Laboratory tests for clean milk. Part XI. Tests and results. *Dairyman* 62(11): 351. Dec. 1945. 44.8 D1426

13214 BURGESS. Society of Dairy Technology. III. Bacteriological aspects. *Irish Agr. and Creamery Rev.* (n. s.) 14(143): 19-20. (To be cont.) Nov. 1945. 44.8 C816

Sources of bacterial contamination in milk.

13215 CASTELO, M. El examen bio-químico elemental de la leche. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 419, 427, 435. Nov. 1-15, 1945. 9.9 G15B

13216 DAVIS, J. G. Problems in the bacteriological grading of milk. *Food Manufacture* 21(1): 5-8. (To be cont.) Jan. 1946. 389.8 F736

13217 DOAN, F. J., and LIVAK, C. W. The determination of total solids in liquid dairy products by drying with forced heated air. II. Results with ice-cream mix and sweetened-condensed milk. *J. Dairy Sci.* 28: 921-926. Dec. 1945. 44.8 J822

13218 GIBERT, P. Recherches sur la contamination par le Bacille tuberculeux bovin du lait et des produits laitiers livrés à la consommation parisienne. *Soc. de Biol. Compt. Rend.* 139: 356-357. Apr. 1945. 442.9 P21

13219 GONZÁLEZ, J. S. Variaciones de la cantidad de grasa contenida en la leche. *Agr. Trop.* 1(11): 51-54. Dec. 15, 1945. 26 Ag8

13220 GOULD, I. A. Lactic acid in dairy products. V. The accuracy of the Hillig method in determining lactic acid in heated milk. *Mich. Agr. Expt. Sta. Q. B.* 28: 115-118. Nov. 1945. 100 M58S

13221 HODSON, F. S. A test for cream quality; the application of a modified methylene blue test to cream-grading and a comparison of this test with the resazurin test. *Dairy Indus.* 10: 858-865. Dec. 1945. 44.8 D1427

13222 HOFFMANN, S. Beobachtungen über die milchsäurebildung in der milch und die bedeutung der milchsäure als mittel zur haltbarkeitsbestimmung. *Schweiz. Zentbl. f. Milchw.* 34: 171-172, 175-176. Oct. 5-12, 1945. 44.8 Sch93

13223 KOESTLER, G. Beziehungen zwischen teigbeschaffenheit und lochung beim Emmentalerkäse. *Schweiz. Milchtzg.* 71: 407. Nov. 20, 1945. 44.8 Sch92

13224 KRUKOVSKY, V. N. Ascorbic acid in milk as the controlling factor in development of oxidized flavor. (Abs.) *Milk Dealer* 35(3): 45. Dec. 1945. 44.8 M595

13225 MICKLE, F. L. New law covers registration of laboratories examining milk or milk products. *J. Milk Technol.* 8: 354-355. Nov./Dec. 1945. 44.8 J824

13226 MISTRY, S. P., and SREENIVASAYA, M. Studies in industrial micro-organisms. Part I. - Nutritional requirements of some lactic micro-organisms. *J. Sci. and Indus. Res.* 4: 162-170. Sept. 1945. 475 J82



- 13227 PEARCE, J. A. Fluorescence aids in studying the quality of dairy products. *Canad. Dairy and Ice Cream J.* 25(1): 19-21, 54. Jan. 1946. 44.8 D162
- 13228 ROWLANDS, A. The bacteriological control of milk processing and distribution. *Dairy Indus.* 10: 869-873, 868. Dec. 1945. 44.8 D1427
- 13229 ROWLSON, J. F., and MICKLE, F. L. The use of milk solids formulae in the detection of watered and skimmed milks. *J. Milk Technol.* 8: 315-322. Nov./Dec. 1945. 44.8 J824

13230 SEELEY, H. W., JR., ANDERSON, E. O., and PLASTRIDGE, W. N. Action of penicillin against mastitis organisms in milk. *J. Dairy Sci.* 28: 887-891. Dec. 1945. 44.8 J822

13231 SMYTHE, V. R. Studies on the effects of transport and storage on the bacteriological quality of raw milk. Part 1. The reduction of methylene blue by raw milk as influenced by time and temperature of storage. *Queensland J. Agr. Sci.* 2: 128-156. Aug. 1945. 23 Q37

13232 THOMAS, S. B. Bacteriological advisory work in connection with milk production. *Dairy Indus.* 10: 793-799. Nov. 1945. 44.8 D1427

Results of bacteriological testing in Wales.

13233 TIEDMAN, W. D., and SMITH, S. E. Practical applications of several coliform tests to pasteurized milk. *J. Milk Technol.* 8: 323-330. Nov./Dec. 1945. 44.8 J824

13234 TROUT, G. M., and LUCAS, P. S. A comparison of various modifications of the Babcock Test for the testing of homogenized milk. *J. Dairy Sci.* 28: 901-919. Dec. 1945. Ref. 44.8 J822

#### Consumption and Utilization

13235 GOLDSCHMIDT, H. The value of milk in cosmetics. *Amer. Perfumer and Essential Oil Rev.* 48(1): 54, 57, 59. Jan. 1946. 308.8 Am3

#### Distribution, Marketing, and Transportation

13236 BAUMAN, J. N. The delivery picture. *Ice Cream Field* 46(6): 56, 61. Dec. 1945. 389.8 Ic23

13237 GALWAY, J. Quyon [Canada] farmers' cooperative creamery. *Macdonald Col. J.* 6(4): 12. Dec. 1945. 101 M144

13238 HARDIN, C. M. Prospective adjustments in the marketing of dairy products in Michigan. *Mich. Agr. Expt. Sta. Q. B.* 28: 119-130. Nov. 1945. 100 M585

13239 HENDERSON, H. B. Organized marketing of manufacturing grade milk to supply Georgia's dairy products plants. *Ga. Agr.* 37(1): 10-11, 14. Oct. 1945. 276.8 G29

13240 HENDERSON, T. G. Milk marketing in Scotland. (Abs.) *Austral. Milk and Dairy Prod. J.* 12(9): 29. Sept. 1945. 44.8 Au72

13241 HENNERICH, G. W. You have to go when the light is green. *South. Dairy Prod. J.* 39(1): 72. Jan. 1946. 44.8 So83

Activities of the Ice Cream Merchandising Institute.

13242 HOFFMAN, O. H., JR. Preparedness best post-war plan. *Inter-State Milk Prod. Rev.* 26(8): 10-13. Dec. 1945. 280.28 In83

Policy for the Inter-State Milk Producers' Cooperative.

13243 INTER-STATE MILK PRODUCERS' COOPERATIVE. The secretary's 1944-45 report. By H. E. Jamison, secretary-treasurer. *Inter-State Milk Prod. Rev.* 26(8): 18-19. Dec. 1945. 280.28 In83

13244 LICHTENBERG, E. D. Daylight delivery ordinances. *Milk Dealer* 35(3): 52, 54. Dec. 1945. 44.8 M595

13245 MASSETT, B. P. High base pay plus commission plan ups unit delivery costs. *Milk Dealer* 35(4): 128-129. Jan. 1946. 44.8 M595

Rochester milk retail commission plan.

13246 MORROW, A. The war's impact on milk marketing. *J. Mktg.* 10: 235-243. Jan. 1946. 280.38 J82

13247 MORTENSON, W. P. Some problems in tomorrow's milk distribution. *Dairy World [Chicago]* 24(7): 6-9, 52-56. Dec. 1945. 44.8 D1423

13248 MÜLLER, O. Wann kann die rationierung der milchprodukte aufgehoben werden. *Schweiz. Milchztg.* 71: 424, 436, 440. Dec. 4, 14-18. 44.8 Sch92

13249 NORTH, R. H. Short pants. *South. Dairy Prod. J.* 39(1): 110-111, 118-119. Jan. 1946. 44.8 So83

Ice cream promotion.

13250 PRICE, H. Seasonal problems. *West. Farm Leader* 11: 2, 3. Jan. 4, 1946. 280.28 W52

Problem of frozen milk and changes in collection schedules to overcome it.

13251 REID, E. B. The dairyman's supersalesman. *Calif. Dairyman* 25(23): 26. Dec. 22, 1945. 44.8 C12

Plans of the American Dairy Association.

13252 ROADHOUSE, C. L. Tank truck market milk collection from farms. *Milk Dealer* 35(3): 44-45, 86, 88. Dec. 1945. 44.8 M595

13253 ROHE, F. M. Secretary's annual report: [Twin City Milk Producers] Association has largest sales in its history. *Twin City Milk Prod. B.* 29(12): 8-11. Dec. 1945. 44.8 T92

Includes marketing of milk and dairy products.

13254 SJOSTRAND, J. Mjölkleveranserna till mejerier från jordbruksfastigheter med över 2 hektar åker år 1943. *Sweden. Kommerskol. Jordbruksekonom. Uppgifter* 7(4): 10-18. Apr. 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 32, No. 4) 257.8 K832K

Milk delivered to Swedish creameries in 1943.

13255 SWANK, O. A. Dairy farmers cooperating in advertising products. *Popkess' Dairyman's J.* 32(9): 9. Dec. 1945. 44.8 D142

13256 WARNER, E. E. Our market situation analyzed. *Inter-State Milk Prod. Rev.* 26(8): 20-21. Dec. 1945. 280.28 In83

#### Grading, Inspection, Standardization, and Quality

13257 BIRD, E. W. The control laboratory and the quality of butter in the future. *Milk Plant Monthly* 34(12): 22-23. Dec. 1945. 44.8 C864

13258 BLEVINS, L. Voluntary grade A milk program successfully carried out in Dodge City, Kansas, by Fairmont Creamery Company. *Milk Dealer* 35(4): 45-46. Jan. 1946. 44.8 M595

13259 BUSHNELL, H. H. What is quality in milk? *West. Dairy J.* 2(2): 13. Dec. 1945. 44.8 W524

13260 DEPEW, H. F. Quality ice cream; its importance in an expanding industry. *Dairy World [Chicago]* 24(7): 26-31. Dec. 1945. 44.8 D1423

Also in *Ice Cream Rev.* 29(6): 52, 78, 80-81. Jan. 1946. 389.8 Ic22

13261 GORDON, W. A. Quality - or else! Threat of Government crack-downs will force dairy processor to demand a better product from farmer. *Successful Farming* 44(1): 26, 91. Jan. 1946. 6 Su12

13262 HERNÁNDEZ NAUS, A. El control lechero en Chile. *Campesino [Santiago]* 77: 619. Nov. 1945. 9:3 So12

13263 LANGHARD, O. Käsetaxationen. *Schweiz. Milchztg.* 71: 379. Oct. 26, 1945. 44.8 Sch92

Also in *Schweiz. Zentbl. f. Milchw.* 34: 188. Oct. 19, 1945. 44.8 Sch93

Quality.

13264 LEONARD, H. R. The new Federal Milk Marketing Order. *Twin City Milk Prod. B.* 29(12): 14-15. Dec. 1945. 44.8 T92

13265 M. Milchkontrolle in der Käseerei. *Schweiz. Zentbl. f. Milchw.* 34: 214. Nov. 23, 1945. 44.8 Sch93



13266 MARQUARDT, J. C. Milk for manufacturing purposes. Cheese Rptr. 70(17): 3. Dec. 21, 1945. 44.8 Sh3

Quality.

13267 MIOLLIS, R. A discussion on standards for soft and semi-soft cheese. Butter and Cheese J. 37(1): 72-74. Jan. 1946. 286.85 B98Bu

13268 MOTTRAM, W. R. Quality milk in South Africa. So. African Dairyman 7: 231. Nov. 1945. 44.8 So822

Elements entering into quality.

13269 NADEAU, J. P. What have we learned from wartime controls in the dairy industry? Canad. Dairy and Ice Cream J. 24(12): 27-28, 56. Dec. 1945. 44.8 C162

13270 PIEN, J. Les bases techniques de la définition légale et de la fabrication des fromages. Lait 25(241-243): 1-17. Jan./Mar. 1945. 44.8 L143

13271 RAMSAY, A. "Most <sup>quality</sup> milk, most money." Farmer & Stock-Breeder 59: 1992-1993. Dec. 11, 1945. 10 F2P8

13272 ROADHOUSE, C. L. Market milk production. Calif. Dairyman 25(23): 11-111. Dec. 22, 1945. 44.8 C12

Quality.

13273 SHUTT, D. B. Effect of wet cans on the quality of milk. Austral. Milk and Dairy Prod. J. 12(9): 13. Sept. 1945. 44.8 Au72

13274 THIEMULIN, G., and HOUDINIÈRE, A. Le lait d'hier et le lait de demain. Lait 25(241/243): 18-23. Jan./Mar. 1945. 44.8 L143

Quality.

13275 TIEDEMAN, W. D. Sanitation standards for raw milk for pasteurization. Dairy Indus. 10: 878-882. Dec. 1945. 44.8 D1427

Contains the Northeastern States Emergency Sanitation Standards for Raw Milk for Pasteurization.

13276 WEAVERS, H. Clean-up or close-up! Natl. Butter and Cheese J. 37(1): 42-43. Jan. 1946. 286.85 B98Bu

Quality problems in dairy plants.

13277 WECKEL, K. G. Let's look at ourselves. J. Milk Technol. 8: 331-337. Nov./Dec. 1945. 44.8 J824

Problems of providing a quality product in the milk industry.

13278 WILKINSON, F. How lucerne taints dairy products. So. African Dairyman 7: 257, 274. Dec. 1945. 44.8 So822

Suggests keeping dairy utensils and equipment away from lucerne dust or waste and avoiding lucerne as a feed just before milking.

#### Packing and Packaging

13279 ARMSTRONG, T. V., and BURGWALD, L. H. A comparison of the cleaning of square and round milk bottles under regular commercial conditions. Amer. Milk Rev. 8(1): 34-37. Jan. 1946. 44.8 Am38

13280 FROZEN milk...it keeps for months in paper cartons. Mod. Packaging 19(5): 128-130. Jan. 1946. 309.8 M72

#### Prices, Price Control, and Rationing

13281 BARTLETT, R. W. What about the future of milk prices? Ill. Farm Econ., No. 126, p. 299-305. Nov. 1945. 275.28 IL5

13282 BEAKES, H. The history of price controls on ice cream. South. Dairy Prod. J. 39(1): 54. Jan. 1946. 44.8 So83

13283 BENDER, L. M. Prices for dairy products. Dakota Farmer 65(24): 2. Dec. 22, 1945. 6 D14

13284 CIPPERLY, J. Lack of butterfat control hurts dairy goods price plan. Feedstuffs 17(51): 4. Dec. 22, 1945. 286.81 F322

13285 M., W. L. Subsidies: - with & without. Butter-Fat 23(8): 8. Nov. 1945. 44.8 D98

Canadian milk prices and subsidies.

13286 WOODBURN, W. Pricing milk on the 100-weight basis. Pacific Dairy Rev. 49(12): 22, 34. Dec. 1945. 286.85 P11

#### Processing and Storage

13287 B., D. A propos de la pasteurisation. Terre de Chez Nous 18(12): 3. Dec. 26, 1945. 7 T27

13288 BRICKER, S. A. Ice cream on the "Hot Rock" [Two Jims]. Ice Cream Field 46(6): 58. Dec. 1945. 389.8 Ic23

13289 BURGWALD, L. H., and JOSEPHSON, D. V. Consideration on the keeping quality of pasteurized milk; average home refrigeration found satisfactory in maintaining product sweet for 7 days and good flavor 4 days or longer. Amer. Milk Rev. 8(1): 46-47. Jan. 1946. 44.8 Am38

13290 CANADA. DEPT. OF AGRICULTURE. MARKETING SERVICE. DAIRY PRODUCTS DIVISION. Pasteurization of milk, cream and dairy by-products. Canada. Dept. Agr. Farmers' B. 33, rev., 28 p. Ottawa, 1945. (P. 569) 7 C16F

Division of Bacteriology and Dairy Research, Science Service, cooperating.

13291 CHIRGWIN A., J. Aspectos de un problema interesante: la central de leche y el sentido común. Agr. del Norte 29: 183-185. July 1945. 9.3 So14

Reply to criticisms of milk pasteurization.

13292 DAHLE, C. D., and WATROUS, G. H., JR. A grating type cheese. South. Dairy Prod. J. 39(1): 30. Jan. 1946. 44.8 So83

13293 DAHLE, C. D. How to make ice cream without fluid cream. Ice Cream Field 46(6): 18-19. Dec. 1945. 389.8 Ic23

13294 DAHLEN, M. A. Hydrogen peroxide of high purity and its use for sterilization of milk; Montecatini, Società Generale per l'Industria Mineraria e Chimica. In U. S. Dept. Com. Off. Pub. Bd. Rpt. 2461, 3 p., 6 app. Washington, 1945. 157.8 R29

App. I, How to treat milk with hydrogen peroxide, 2 p.; App. II, The evolution of hydrogen peroxide and its application to the purification of milk, by L. Morandi, 12 p.; App. III, The hygienical treatment of milk with electrolytical hydrogen peroxide of 130 volumes, by E. Bertarelli, I. Peregallo, and E. Caserio, 38 p.; App. IV, Report on the experiences with "Ortizon", 6 p.; App. V, Manufacture of hydrogen peroxide at Liniate by Montecatini, 2 p.; and App. VI, Manufacture of "Solid Hydrogen Peroxide."

13295 DEFEW, H. F. Problems in operation of high temperature, short time pasteurization. Dairy World [Chicago] 24(7): 17, 20-23. Dec. 1945. 44.8 D1423

13296 DORAN, J. It's supposed to sell milk. New England Homestead 118(24): 3. Dec. 22, 1945. 6 M442

Milk mixes.

13297 FARMERS' EQUITY CO-OPERATIVE CREAMERY. The nurse of the universe; year book, 1917/44, 24 p. Orleans, Nebr., 1945? 280.93 F22

13298 FOUTS, E. L., and MULL, L. E. The manufacture of cottage cheese. South. Dairy Prod. J. 39(1): 92, 96-97. Jan. 1946. 44.8 So83

13299 FREIDEL, E. H. Recent observations and research indicate development toward pasteurized milk cheese. Dairy World [Chicago] 24(7): 49-51. Dec. 1945. 44.8 D1423

13300 GALMARINI, F. G. Necesidad de orientar la fermentación en la elaboración del queso. Argentina. Sec. de Indus. y Com. B. 1(9/10): 254-257. June/July 1945. 280.9 Ar3

Starters in cheese manufacture.

13301 GOULD, I. A. Use of an antioxidant in preventing hydrolytic rancidity in dairy products.

Natl. Butter and Cheese J. 37(1): 40-41. Jan. 1946. 286.85 B98Bu

Raw milk and butter.

13302 HADARY, G. Chocolate milk--product with future. Food Indus. 17: 1449. Dec. 1945. 389.8 F737

13303 HARLAND, H. A., and ASHWORTH, U. S. The preparation and effect of heat treatment on the whey proteins of milk. J. Dairy Sci. 28: 879-886. Dec. 1945. 44.8 J822

Protein extraction.

13304 LEIGHTON, A. Use of homogenized cream in ice cream. Ice Cream Field 46(6): 30, 32, 60. Dec. 1945. 389.8 Ic23

13305 MANDT, P. H. One of Iowa's best. Natl. Butter and Cheese J. 37(1): 34-35, 50. Jan. 1946. 286.85 B98Bu

Operation of the Oelwein Farmers' Co-operative Creamery at Oelwein, Iowa.

13306 NIELSEN, A. Smørets kvalitet og holdbarhet ved bruk av spesialsalt. Meieriposten 34: 521-525, 542-546, 559-565, 581-584. (To be cont.) Oct. 6-27, 1945. 44.8 M47

Effect of use of a special kind of salt in the manufacture of butter on its quality and keeping quality.

13307 NORSKE MEIERIFOLKS LANDSFØRENING. Norske Meierifolks Landsforenings virksomhet 1944-45. Meieriposten 34: 530-531, 550-552, 622-623. (Cont.) Oct. 6-13, Nov. 10, 1945. 44.8 M47

Report of the Norwegian Creamery Association.

13308 PEARCE, J. A., and BRYCE, W. A. Dried milk powder. II-III. Canad. J. Res. Sect. F, Technol. 23: 327-339. Nov. 1945. 470 G16F

Contents: II. Factors affecting the sorption of carbon dioxide, by J. A. Pearce; III. The effect of light on keeping quality, by J. A. Pearce and W. A. Bryce.

13309 RAHN, O. Sterilization of microorganisms, with special reference to new methods applicable to the dairy industry. Milk Plant Monthly 34(12): 24-26, 46, 52. Dec. 1945. 44.8 C864

13310 SHELLEY, F. G. Cache Valley Dairy Association now manufacturing butter. Utah Farmer 65(9): 26. Dec. 15, 1945. 6 D45

13311 SIGLEY, G. R., and PARK, W. J. Milk cooling on Darling Downs Farms. Queensland Agr. J. 61: 237-245. Oct. 1945. 23 Q33

13312 TRACY, P. H. The future of powdered mix in ice cream. Ice Cream Field 46(6): 22, 24. Dec. 1945. 389.8 Ic23

13313 TRACY, P. H. Homogenization--the milk salesman. West. Dairy J. 2(2): 11, 51-53. Dec. 1945. 44.8 W524

Also in Holstein-Friesian World 43(1): 20, 80. Jan. 5, 1946. 43.8 H742

13314 WILLINGHAM, T. T. Function of the milk plant laboratory in a quality control plan. South. Dairy Prod. J. 39(1): 28. Jan. 1946. 44.8 So83

#### Statistics

13315 DANSKE MEJERIFØRENINGERS FÆLLESORGANISATION. KONTORET FOR MEJERI-STATISTIK. Danmarks mejeri-statistik 1945; Danmarks mejeri-drifts-statistik, 48. aarsberetning (regnskaber for 1944); Danmarks smørris-statistik, 4. aarsberetning (1. april 1944-31. marts 1945), 78 p. Odense, 1945. 44.9 D41A

Statistics on the operation of creameries and on butter prices in Denmark.

13316 LAWSON, P. J. Precio de la grasa butiro-métrica. Argentina. Sec. de Indus. y Com. B. 1 (9/10): 345-350. June/July 1945. 280.9 Ar3  
Gives statistics of production and foreign trade of dairy products, indicating their relation to the prices fixed for butterfat.

#### FEED AND FORAGE CROPS

13317 ALAZRAQUI, J. M. Necesidad de establecer un plan organico para el estudio de nuestro problema forrajero. Inst. Agr. Argentino. Reseñas 5(34): 33-38. 1945. 281.9 B862

13318 BERGER, W. C. Recommendations for effecting a more equitable distribution of protein feed ingredients. Coop. Poultryman 10(12): 5, 15. Dec. 1945. 47.8 C782

13319 BETHKE, R. M. Future problems of feed industry and what dealers can do about them. (Sum.) Feed Bag 21(12): 53-54, 115. Dec. 1945. 389.78 F32

13320 DELHI, M. Eight steps in selling merchandise. Grain & Feed Rev. 35(3): 22. Nov. 1945. 280.28 C78

Feed.

13321 KELLY, C. R. Fodder conservation. So. Austral. Dept. Agr. J. 49: 110-111. Oct. 1945. 23 So84

Suggests interest free advances on hay or silage and construction of grain silos financed by the Government.

13322 LUTHER, C. We have a selling job to do. Grain & Feed Rev. 35(4): 12, 54. Dec. 1946. 280.28 C78

Feed merchandising.

13323 MCINTOSH, O. O. 1946 feed situation looks tight. Peninsula Broiler J. 5(17): 1-2. Jan. 7, 1946. 47.8 P37

13324 MONTGOMERY, G. Feed grain scarcity to continue. Feedstuffs 17(52): 7. Dec. 29, 1945. 286.81 F322

13325 MOSER, R. E. The feed situation for next year. Mass. State Col. Ext. Farm Econ. Facts, Jan. 1, 1946, p. 3. 275.29 M381Fa

13326 NATIONAL HAY ASSOCIATION INCORPORATED. Year book and membership directory, 1945, 87 p. Indianapolis, Ind., 1945. 286 N21

13327 STEENBERGH, D. K. Selling problems will require more study and attention in future. Feed Bag 22(1): 59-60, 62. Jan. 1946. 389.78 F32

13328 TORROBA, M. A. Aspecto general del forraje en la Republica Argentina. "Granos" Semilla Selecta 9(1/3): 24-32. Jan./Mar. 1945. 9 C762

13329 TRIGGS, M. Present status and future outlook in regard to feed subsidy and production goals--removal of ceiling prices--necessity and methods of support prices. Calif. Dairyman 25(22, i. e. 21): 20-24. Dec. 8, 1945. 44.8 C12

13330 VINE, R. A root and a cereal. New Zeal. Farmer Weekly 66(18): 6-8. Nov. 1, 1945. 23 N484  
Economic importance of producing sugar beets and corn as hog feeds on the farm.

13331 YOUNG, N. R. The feed situation. Coop. Poultryman 10(12): 4-5. Dec. 1945. 47.8 C782

13332 Z., O. Skördeutsiktterna per den 31 maj 1945 för höstsaad och vallhä. Sweden. Kommerskol. Jordbruksekonom. Uppgifter 7(6): 13-14. June 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 32, No. 6.) 257.3 K832K

The 1945 hay and winter grain crop prospects in Sweden.

#### FIBERS AND TEXTILES

13333 A., R. L'industrie du coton en Égypte. Égypte Agr. 43: 174-180. (To be cont.) Sept./Oct. 1945. 24 Un32



13334 AHMAD, N. Pre-cleaning and ginning tests on Indian cottons. Indian Textile J. 55: 898-900. Sept. 1945. 304.8 In2

13335 ANCONA PÉREZ, A. Historia del sisal mexicano. Sisal de Yucatán 6(70): 13-15, 22-23. Oct. 1945. 73.8 Si83

13336 ANDERSON, C. P. The South's big job of adjustment. [Address] South. Weekly 45(43): 6-9. Dec. 12, 1945. 280.8 So852

The cotton South on the threshold of an industrial agricultural revolution.

13337 ARGENTINA. COMISIÓN NACIONAL DE GRANOS Y ELEVADES. DIRECCIÓN DE ECONOMÍA Y COMERCIO DE GRANOS. Comercialización y exportación argentina de lino, año agrícola-comercial 1944. Bolsa de Cereales, Buenos Aires. Rev. 32(1727): 8, 16, 24-28. (Concl.) Nov. 24, 1945. 287 B866

13338 ARGENTINA. DIRECCIÓN DE ALGODÓN. SECCIÓN INVESTIGACIONES ECONÓMICAS. El desmote de la producción en la campaña 1943-44. Argentina. Sec. de Indus. y Com. B. 1(9/10): 310-317. June/July 1945. 280.9 Ar3

Statistics.

13339 ARMOUR, A. R. Rendimiento de la lana. Buenos Aires y La Pampa, No. 82, p. 14, 15. Oct. 1945. 9 B868

13340 ASHMORE, W. G. Textiles bring high prices in Mediterranean countries. Textile World 95(12): 119, 196, 198, 202. Dec. 1945. 304.8 T315

13341 ASHTON, H. Top or sliver of rayon staple can be produced and provided without carding or combing; some new types of rayon sliver and yarns are made possible. Textile J. Austral. 20(8): 366, 368, 370. Oct. 20, 1945. 304.8 T3134

13342 BALLESTEROS ZENDEJAS, J. L. La producción, el comercio y la industria de lino en el mundo. Rev. de Econ. 8(12): 8-10. Dec. 15, 1945. 280.8 R3293

13343 BARRERA VILAR, J. Henequén y turismo [México]. Sisal de Yucatán 6(70): 12. Oct. 1945. 73.8 Si83

13344 BERKLEY, E. E. Fiber and spinning properties of cotton at progressive stages of development. Textile Res. J. 15: 460-467. Dec. 1945. Ref. 304.8 T293

13345 BLACK, D. L. Delta laboratory gets down to cases in gin studies. Cotton Digest 18(15): 7, 14. Jan. 5, 1946. 286.82 C822

13346 BONNET, F. The developments in viscose rayon. Textile B. 69(10): 32. Jan. 15, 1946. 304.8 So82

13347 BRYANT, L. H., and SMITH-WHITE, S. The rot-proofing of jute hessian - 1-2. Fibres, Fabrics and Cordage 12: 31, 33-34, 71-74. Jan.-Feb. 1945. 304.8 Ir42

13348 CALDWELL, S. A. G. Flax spinning controversies. Fibres, Fabrics and Cordage 12: 355, 357, 359. Sept. 1945. 304.8 Ir42

13349 CALDWELL, S. A. G. Natural versus retted flax. Fibres, Fabrics and Cordage 12: 95-96. Mar. 1945. 304.8 Ir42

Future possibilities of green flax.

13350 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the woollen textile industries in Canada, 1943, 39 p., processed. Ottawa, 1945. 253 C3321

Statistics.

13351 CANTERBURY AGRICULTURAL COLLEGE. Wool classing. Canterbury Chamber Com. Agr. B. 196, 4 p. Christchurch, 1945. 23 C162

13352 CHINAI, R. J. Progress of rayon manufacture; its possibilities in India examined. Indian Textile J. 55: 909-914. Sept. 1945. 304.8 In2

13353 COOPER, M. R., and PORTER, H. G. Jute situation in the United States. Agr. Situation 30(1): 14-16. Jan. 1946. 1 Ec7Ag

13354 COUCHMAN, J. F. The effect of straw maturity on the chemical composition of flax straw and fibre. Fibres, Fabrics and Cordage 12: 48-49, 51. Feb. 1945. 304.8 Ir42

13355 DALL, W. B. Ramie has tantalized textile men for one hundred years. Textile World 95(12): 93-98, 206, 210. Dec. 1945. 304.8 T315

13356 DICKERT, H. A. Fiber development in the school and factory. Amer. Wool and Cotton Rptr. 59(51): 25, 27, 29, 55-56. Dec. 20, 1945. 304.8 W88

Development of synthetic fibers discussed.

Also in Textile B. 69(8): 24, 26, 64-65. Dec. 15, 1945. 304.8 So82

13357 DRENNEN, J. T., and BOSWELL, T. A. Running rayon on the woolen system requires care in fiber selection. Textile World 95(12): 100-101. Dec. 1945. 304.8 T315

First of a series of articles.

13358 DUNCAN, J. E. Spin your own wool. New Zeal. Dept. Agr. B. 259, 23 p. Wellington, 1945? 23 N48Bu

13359 DUVAL, P. Análises de lã; conceito técnico e instruções para a colheita e a remessa de amos tras. Rio Grande do Sul. Dir. da Prod. Anim. B. 1(1): 50-55. Jan./June 1945. 49.9 R47

13360 EDWARDS, H. T. The outlook for hard fibres. Fibres, Fabrics and Cordage 12: 411. Oct. 1945. 304.8 Ir42

13361 FAWCETT, C. J. The wool market. Colo. Wool Grower and Marketer 11(11): 4. Jan. 1946. 280.38 C71

13362 FINNEY, E. The history and development of the cotton-growing industry. Textile J. Austral. 20(8): 378-379. Oct. 20, 1945. 304.8 T3134

World industry, particularly Queensland.

13363 GAUDREAU, D., and AGATSTEIN, S. Textile testing methods and equipment at I. G. Höchst, Frankfurt/a./Main. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1603, 225 p., processed. Washington, 1945. 157.8 R29

Contains German standards for testing fibers, yarns and fabrics.

13364 GEORGE. Electrification of textile fibres. Textile J. Austral. 20: 432. Nov. 20, 1945. 304.8 T3134

Indicates relation between humidity, temperature, regain, and electricity in fiber.

13365 GIORDANO, H. J. Antecedentes y perspectivas del cultivo de lino de fibra en la Argentina. "Granos" Semilla Selecta 9(1/3): 33-37. Jan./Mar. 1945. 9 G762

13366 GWALTNEY, E. C. The cotton spinning process and its adaptability to other fibers. Textile B. 69(10): 17-18, 56-58. Jan. 15, 1946. 304.8 So82

Also in Textile Rec. 63(754): 40-41. (To be cont.) Jan. 1946. 304.8 T311

Similar title in Cotton [Atlanta] 109(12): 111-114. Dec. 1945. 304.8 C823

13367 H., H. E. Some lesser known fibres. Fibres, Fabrics and Cordage 12: 369. Sept. 1945. 304.8 Ir42

Kapok and palm fibers.

13368 HARTARD EBERT, M. Nuestra producción de fibra y semilla de cáñamo [Chile]. Campesino [Santiago] 77: 631-633. Nov. 1945. 9.3 Sol2

Statistics of the industry.

13369 HEIDENDAHL, N. M. Cultivation of textile plants in Sweden. Skand. Banken. Q. Rev., No. 3, p. 54-59. July 1944. 284.9 Sk1

13370 HEMP menace; vast expansion of acreage to supply cordage fiber for war offers threat of increased traffic in hard-fought narcotic. Business Week, No. 854, p. 48, 50. Jan. 12, 1946. 280.8 Sy8

- 13371 HENDERSON, G. A. The potentialities of ramie. *Fibres, Fabrics and Cordage* 11: 182. May 1944. 304.8 Ir42
- 13372 HOLLAND, H. J. Our pressing problem in wool and proposal toward a solution. *Calif. Wool Grower* 21(51): 11-13, 27. Dec. 18, 1945. 45.8 C12
- 13373 HURST, F. J. Mississippi cotton growers get full market value. *News for Farmer Coops.* 12(10): 15, 23. Jan. 1946. 166.2 N47  
Marketing by the Central Farmers' Exchange of Jackson, Miss.
- 13374 HURTUBISE, J. A. P. Progrès et avenir du lin à filasse [Canada]. *B. des Agr.* 42(1): 17-18. Jan. 1946. 7 B872
- 13375 JELLEME, W. O. Recent trends in cotton buying reviewed... effect of weevil conditions on buying methods - early maturing varieties and improvement in yield and staple - importance of breeding work and testing services. *Amer. Wool and Cotton Rptr.* 59(51): 41, 43, 46. Dec. 20, 1945. 304.8 W88
- 13376 JELLEME, W. O. Tests show best cotton for a specific purpose. *Textile World* 95(12): 99. Dec. 1945. 304.8 T315  
Fiber testing.
- 13377 JELLINEK, F. Sisal - Yucatecan headache. *Mex.-Amer. Rev.* 13(12): 36-38. Dec. 1945. 287 M572
- 13378 JOHNSON, A. Alginate rayon mixtures with wool; soluble property of alginate rayon enables it to be used as a transient thread with wool, cotton, silk or any other natural or synthetic fibre in the development of new fabrics. *Canad. Textile J.* 63(1): 38. Jan. 11, 1946. 304.8 C15
- 13379 JOHNSON, A. An English report on seaweed rayon. *Rayon Textile Monthly* 26: 649-650. Dec. 1945. 304.8 R21
- 13380 JONES, P. E. Postwar adjustments in cotton production in the southeastern United States. *J. Land and Pub. Util. Econ.* 21: 339-351. Nov. 1945. 282.8 J82
- 13381 KEKICH, E., and KENNEDY, D. E. Textiles in Yugoslavia - will the local industry, a "war casualty," recover? *Foreign Com. Weekly* 22(2): 6-9, 40. Jan. 12, 1946. 157.54 F763  
Includes fiber situation.
- 13382 KEMPSKI, E. El ramio en la Argentina. *Bolsa de Com., Rosario. Rev.* 33(812): 3-4. Nov. 15, 1945. 287 R71
- 13383 KENNEDY, H., and WILLOCK, J. The new outlook in textile testing. *Fibres, Fabrics and Cordage* 12: 59-60. Feb. 1945. 304.8 Ir42
- 13384 KYLE, A. S. Research and the Scottish jute industry. *Fibres, Fabrics and Cordage* 11: 177. May 1944. 304.8 Ir42
- 13385 LECOMPTE, G. C. A rapid method for the determination of vegetable matter in wool. *Amer. Dyestuff Rptr.* 34: 469-473. Nov. 19, 1945. 306.8 Am3
- 13386 LEITCH, F. J. Flax supplies - past, present and future. *Fibres, Fabrics and Cordage* 11: 168-170. (To be cont.) May 1944. 304.8 Ir42
- 13387 MARKLEY, K. S. Industrial proteins Karl Freudenberg A. G. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 1317, 6 p., processed. Washington, 1945. 157.8 R29  
Manufacture of artificial fibers.
- 13388 MOORE, J. H. The cotton fiber laboratory of the North Carolina Agricultural Experiment Station; produces results. Pt. 1. *Cotton [Atlanta]* 110: 92-94, 112. Jan. 1946. 304.8 C823
- 13389 NEEDHAM, W. Construction of fancy yarns; an experienced Canadian cotton manufacturer presents an important paper on the definition and manufacture of fancy yarns and presents data on methods of calculation for obtaining resultant counts. (Extracts.) *Canad. Textile J.* 63(1): 34-35. Jan. 11, 1946. 304.8 C16
- 13390 NODDER, C. R. The utilization of jute waste. *J. Sci. and Indus. Res.* 4: 128-129. Sept. 1945. 475 J82
- 13391 PEARS, J. B. Preparation and spinning of hard fibres - 4. Speeding a system. *Fibres, Fabrics and Cordage* 12: 35-37. Jan. 1945. 304.8 Ir42
- 13392 POWERS, D. H. Plastic developments for peacetime textiles. *Textile B.* 69(10): 31-32. Jan. 15, 1946. 304.8 So82  
Includes plastic fibers.
- 13393 PRADERE, U. La industrialización de la paja de lino en el sud de la Provincia de Buenos Aires. *Inst. Agr. Argentino. Reseñas* 5(34): 27-32. 1945. 281.9 B862
- 13394 PUNNOOSE, T. V. Random review of textile progress. *Indian Textile J.* 55: 929-930. Sept. 1945. 304.8 In2  
New synthetic fibers.
- 13395 RINGUELET, A. El cultivo del formio y su porvenir en el país. *Inst. Agr. Argentino. Reseñas* 5(34): 21-25. 1945. 281.9 B862  
Includes discussion of the advantages and disadvantages of other fibers.
- 13396 RIPLEY, P. Alginate "rayons" are distinctive new fibers. *Textile World* 95(12): 112-113. Dec. 1945. 304.8 T315
- 13397 ROCHE, MRS. T. Challenging call to wool interests; big freights eat profits; take factories to raw materials. *Farmer and Settler* 40(38): 6. Oct. 19, 1945. 23 F226  
Australia.
- 13398 SMITH, H. D. The developments in acetate rayon. *Textile B.* 69(10): 32, 47. Jan. 15, 1946. 304.8 So82
- 13399 SMITH, L. H., and others. New fibers and their applications in Germany during the war period. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 1125, 5 p., processed. Washington, 1945. 157.8 R29  
D. B. Wicker, G. P. Hoff, J. J. Schilthuis, J. B. Quig, joint authors.
- 13400 SWEENEY, R. P. Textiles. *Dom. Com.* 34(1): 43-44. Jan. 1946. 157.54 D713  
Survey of the industry.
- 13401 TEXTILE World Yearbook and Catalog. 23. 1945/46. 514 p. N. Y., 1946. 304.9 T31  
Section on properties of synthetic fibers.
- 13402 TSENG, C. K. Alginate fibers compared. *Textile World* 95(12): 113. Dec. 1945. 304.8 T315
- 13403 WEBB, R. W., and RICHARDSON, H. B. Relationships of cotton fiber properties to strength and elongation of tire cord. *Rubber Age* 58: 347-348. Dec. 1945. 305.8 R82
- 13404 WILLOCK, J., and KENNEDY, H. Rayon staple, some recent developments. *Fibres, Fabrics and Cordage* 12: 103-106. Mar. 1945. 304.8 Ir42  
Production of mixture yarns incorporating rayon staple.
- 13405 WILSON, J. F. Coloration of wool. *Natl. Wool Grower* 36(1): 27-28. Jan. 1946. 45.8 N21N
- 13406 WRIGHT, J. W. The competitive outlook for cotton. *J. Mktg.* 10: 258-264. Jan. 1946. 280.38 J82

## FRUITS, VEGETABLES, AND NUTS

- 13407 AGNEW, S. The vine in Bas Languedoc. *Geog. Rev.* 36(1): 67-79. Jan. 1946. 500 Am35G
- 13408 ANDERSON, C. P. Secretary Anderson on the citrus situation. (Excerpts.) *Citrus* 8(4): 6-7. Dec. 1945. 80 C498
- 13409 BOSTER, D. O. New Jersey's prospective cranberry crop again very light. *Amer. Cranberry Growers' Assoc. Proc. Ann. Conv.* (1945) 76: 5-6. 81 Am35C



13410 BRAVERMAN, J. The citrus by-products industry. Palestine Tribune 1(39): 14-15. Oct. 25, 1945. 280.8 P172

13411 BRÜCHER ENCINA, G. Porvenir citrícola; ¿es recomendable aumentar el área cultivada con limones y naranjos? (Extract.) Campesino [Santiago] 77: 621-622. Nov. 1945. 9.3 Sol2

Includes discussion of the domestic and foreign markets for citrus fruit.

13412 BUCHANAN, K. M. Fruit growing in Worcestershire. Worcestershire Agr. Chron. 13: 143, 145, 147, 149, 151, 153, 155, 157. May 1945. 10 W892

Surveys the industry.

13413 BUTTE, F., JR. The 1945 grape season; a review of the various phases of California's grape marketing season. Wines & Vines 26(12): 23. Dec. 1945. 95.8 C122

13414 CLIFT, L. F. Post-war development in market gardening. Worcestershire Agr. Chron. 13: 175, 177, 179, 181, 183, 185, 187, 189. Aug. 1945. 10 W892

13415 CRFEK, C. R. Vegetable outlook. Mass. State Col. Ext. Farm Econ. Facts, Jan. 1, 1946, p. 4. 275.29 M381Fa

13416 CROSBY, J. Northern citrus industry growing. Calif. Cult. 93(1): 1, 29. Jan. 5, 1946. 6 C12

13417 DAVE, C. V. Vegetable production on the farm. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 210-212. 84 B77

13418 DORSEY, M. J. New developments in the peach industry of special interest to growers. Va. Fruit 34: 71-75. Jan. 1946. 81 V81B

13419 FLORIDA FRUIT DIGEST COMPANY. The Florida fruit and vegetable directory, 7th, 1945/46, 248 p. Jacksonville, 1945. 225 F662

13420 GAY, M. C. Natural vitamin suppliers search new markets. News for Farmer Coops. 12(10): 14, 17. Jan. 1946. 166.2 M47

Work of fruit and vegetable cooperatives.

13421 HAGEMANN, L. J. Our [potato] production and marketing methods. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 90-97. 75.9 Oh3

13422 HUYKE, J. B. Las toronjas. Rev. del Café 1(7): 24. Dec. 1945. 8 R3295

Importance of maintaining grapefruit plantations in Puerto Rico.

13423 IZAKSON, Z. H. Citrus industry and citrus by-products. Palestine Tribune 1(37): 14-15. Oct. 11, 1945. 280.8 P172

13424 KREISER, R. F. Kern County on forced draft. Calif. Fruit and Veg. Rev. 6(9): 78, 134. Dec. 1945. 80 C1224

Fruit and vegetable production in Kern County, Calif., in 1945.

13425 LANTZ, H. L. Is fruit growing a sound business enterprise in the Missouri Valley. Nebr. State Bd. Agr. Ann. Rpt. 1945: 420-428. 2 N27R

Discussion, p. 428-430.

13426 LARSEN, H. Rotfruktsodlingens framtid. Lantmannen 29: 1097-1099. Dec. 8, 1945. 11 L234

Production of root crops in Sweden.

13427 LOTS of late potatoes; a plenitude of potatoes puts the tasty spud on the bargain counter as war production goals bring a near record harvest. Consum. Guide 12(1): 11-13. Jan. 1946. 1.94 Ad422C

13428 MCCORMICK, W. J. Post-war co-operation. Calif. Fruit and Veg. Rev. 6(9): 63, 185. Dec. 1945. 80 C1224

Cooperation between growers and distributors in the fresh fruit and vegetable industry.

13429 MILLER, O. D. It's our move; a post-war challenge to the industry. Calif. Fruit and Veg. Rev. 6(9): 49, 160, 163. Dec. 1945. 80 C1224

Prospects and problems of the fresh fruit and vegetable industry.

13430 MINNESOTA. DEPT. OF AGRICULTURE, DAIRY AND FOOD. Potatoes which have met the field inspection tolerances for certification, 1945. 29 p. St. Paul, 1945. 75.9 M662

Contains list of varieties and growers.

13431 NOLD, T. The race for consumer favor. Va. Fruit 34: 112-116. Jan. 1946. 81 V81B

Problems and prospects of the apple industry.

13432 PALMER, C. D., and SCHLOTZHAUER, E. O. Trends in apple production and utilization. Agr. Situation 30(1): 19-22. Jan. 1946. 1 Ec7Ag

13433 PATTERSON, W. Potato growing in Northern Ireland. Worcestershire Agr. Chron. 13: 135, 137, 139, 141, 143. May 1945. 10 W892

Survey of the industry.

13434 PESTONIT, S. La fruta y su explotación en Cuba. Tierra Libre 9(11): 6. Nov. 1945. 8 T443

13435 PITT, D. T. The cultivated blueberry industry in New Jersey, 1944. N. J. Dept. Agr. C. 356, p. 7-42. June 1945. 2 N46C

13436 RAEDER, J. M. Idaho's potato industry has boomed since 1900. Idaho Farmer 64(1): 19. Jan. 3, 1946. 6 G282

13437 RAMSAY, A. Fresh v. dehydrated vegetables. Farmer & Stock-Breeder 59: 2040-2041. Dec. 18, 1945. 10 F228

13438 ROBINSON, R. A. Competition will call for much improved methods of packing and marketing [vegetables]. Smallholder 74(1868): 7. Jan. 4, 1946. 10 Sml

13439 RODGERS, A. J. How we diversify fruit growing in Michigan. Va. Fruit 34: 76-81. Jan. 1946. 81 V81B

13440 ST. GEORGE, E. Jersey tackles potato problem. New England Homestead 118(24): 7. Dec. 22, 1945. 6 N442

13441 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FOODSTUFFS UNIT. Cuban potato production and trade. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 7, 4 p. Washington, 1945. 157.54 In235

13442 V., A. C. La industria de los agrios. Agr. Levantino 11(132): 9, 12. Nov. 1945. 15 Ag85

The industry in the United States and outlook in Spain.

13443 YORK, J. C. Fruit crop outlook. Mass. State Col. Ext. Farm Econ. Facts, Jan. 1, 1946, p. 6. 275.29 M381Fa

#### Analysis and Composition

13444 DUMAS, J. Dosage approximatif du sucre de raisin dans les pâtes de fruits. Ann. de Chim. Analyt. 26: 71. Apr. 1944. 383 An72

13445 JONES, A. H., and PIERCE, M. E. Plant tests for determining the microbial content of dehydrated vegetables. Food in Canada 5(12): 18, 20. Dec. 1945. 389.8 F7323

13446 PHAFF, H. J., and others. Microbiology of prunes during handling and drying; a report on a joint research project of the Quartermaster General's Office, U. S. Army, and the University of California. Fruit Prod. J. and Amer. Food. Mfr. 25: 140-141, 155. Jan. 1946. 389.8 F94

E. M. Mrak, R. Allemann, and R. Whelton, joint authors.

13447 POINTING, J. D., and JOHNSON, G. Determination of sulfur dioxide in fruits. Indus. and Engin. Chem. Analyt. Ed. 17: 682-686. Nov. 1945. 381 J825A

#### Consumption and Utilization

13448 TRESSLER, D. K. Use of frozen fruit puddings. Frosted Food Field 1(6): 6. Dec. 1945. 389.8 F922

- 13449 WILLAMAN, J. J., and MOTTERN, H. H. Recent developments in apple products. Va. Fruit 34: 97-102. Jan. 1946. 81 V81B

#### Distribution, Marketing, and Transportation

- 13450 CURRY, O. W. Highway of progress in citrus marketing. Tex. Farming and Citric. 22(6): 9. Dec. 1945. 80 T31
- 13451 DAVIS, S. B. Cordo -- answer quick; a prominent broker, harried by demands of trade, pauses to offer some pertinent comments. Calif. Fruit and Veg. Rev. 6(10): 30. Jan. 1946. 80 C1224
- Distribution of fruits and vegetables.
- 13452 EBERDT, R. Warrens Cooperative Fruit Growers' Association. Dairyland News 15(23): 1, 2. (To be cont.) Dec. 10, 1945. 280.28 W752
- 13453 HAYDEN, C. A. Fred Lewis had right marketing vision in 1927. Country Life [Vernon], 29, 1. e. 30(11, 1. e. 1): 31. Jan. 1946. 7 C832
- Fruit marketing.
- 13454 IZAKSON, Z. H. Citrus marketing scheme 1945/46; Defence (Control of Citrus Marketing) Regulations 1945. Palestine Tribune 1(36): 14-15. Oct. 4, 1945. 280.8 P172
- 13455 KITCHIN-KERR, G. E. Marketing and distribution systems; definitions of objectives should precede radical changes; competition factor in efficiency. Citrus News 21: 153, 158. Oct. 31, 1945. 80 C494

- 13456 MUNTZ, O. Ohio potato marketing program. Ohio Veg. and Potato Growers Assoc. Proc. (1944): 29: 134-137. 75.9 Oh3

- 13457 WILKINSON, C. C. Air-borne shipments now proven. Calif. Fruit and Veg. Rev. 6(9): 51, 137-138. Dec. 1945. 80 C1224

#### Air transportation of fresh fruits and vegetables.

- 13458 WOOTEN, J. Peach co-op outpoints old man winter. News for Farmer Coops. 12(10): 5-6. Jan. 1946. 166.2 N47

#### Activities of the Thomaston Peach Growers Association, Inc., in Georgia.

- 13459 YOUNG, W. F. Appalachian Apple Service, Inc. Va. Fruit 34: 20-24. Jan. 1946. 81 V81B
- Advertising and merchandising apples, and wartime activities of the Appalachian Apple Service, Inc.

#### Grading, Inspection, Standardization, and Quality

- 13460 CROSBY, J. Orange quality must be improved. Calif. Cult. 93(1): 6. Jan. 5, 1946. 6 C12
- 13461 FROST, E. How your apple grade has slipped. Va. Fruit 34: 47-49. Jan. 1946. 81 V81B
- 13462 HARDING, P. L., and WADLEY, F. M. Study of quality in Temple oranges. Food Res. 10: 510-517. Nov./Dec. 1945. 389.8 F7322
- 13463 KIDD, F., and WEST, C. Quality in Cox's Orange Pippin apples. Gt. Brit. Min. Agr. Agriculture 52: 419-422. (Cont.) Dec. 1945. 10 G79J
- Includes comparison of quality under four methods of storage.
- 13464 RENFRO, H. W. Potato shipping point inspection, 1943 to March 1945. Nebr. State Bd. Agr. Ann. Rpt. 1945: 521. 2 N27R
- In Wyoming and Nebraska.
- 13465 SCOTLAND. DEPT. OF AGRICULTURE. Register of potato crops inspected and certified, 1945. 236 p. Edinburgh, 1945. 75.9 Sco3R

- 13466 SIEGEL, M. A discussion of canned stringless bean grades. Canner 102(1): 14, 16. Dec. 22, 1945. 286.83 C16

#### Packing and Packaging

- 13467 MARTIN, A. L. Who'll do the pre-packaging of vegetables? All signs point to the grower and shipper -- it's their problem, and their opportunity. West. Grower and Shipper 17(2): 8-9, 16. Jan. 1946. 280.38 W52
- 13468 MERRILL, T. A. Packaging peaches. Mich. Farmer 206(1): 10-11. Jan. 5, 1946. 6 M58
- 13469 WEST, J. G. "Friday Pack" [containers] designed to deliver Macs and other tender varieties to distant markets in prime condition. Country Life [Vernon] 29(10, 1. e. 12): 11, 14. Dec. 1945. 7 C832

#### Prices, Price Control, and Rationing

- 13470 BUISMAN, B. Support program faces test with potato surplus. Oregon Grange B. 45(9): 1-2. Oct. 5, 1945. 6 Or3
- 13471 HARRIS, H. A. OPA decline. Calif. Fruit and Veg. Rev. 6(9): 52, 149-150, 153-154. Dec. 1945. 80 C1224
- Price control of fresh fruits and vegetables.
- 13472 TAYLOR, P. R. Government regulations and the vegetable grower. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 28-38. 75.9 Oh3
- Chiefly on ceiling prices on fruits and vegetables.

#### Processing and Storage

- 13473 ALDERMAN, D. C., and NEWCOMBE, B. Dehydration of Montmorency cherries. Mich. Agr. Exot. Sta. Q. B. 28: 97-106. Nov. 1945. 100 M58S
- 13474 BEEBE, G. Starch tests being made; seven million dollar starch factory of United States Sugar Corporation at Cleviston now operating. Amer. Eagle 40(35): 1, 5. Dec. 20, 1945. 6 Am327
- Potato starch.
- 13475 BLIN, H. Tapioca de pommes de terre et vermicelle de chou. Rev. Hort. [Paris] 116: 127. Aug./Sept. 1944. 80 R32
- Manufacture of a kind of tapioca from potatoes, recovery of starch from potatoes, and drying of cabbage.
- 13476 BLORE, M. M. Home canning of fruit. Worcestershire Agr. Chron. 13: 209, 211, 213, 215. Aug. 1945. 10 W892
- 13477 BROMFIELD, R. Home preservation of fruit juices. Victoria. Dept. Agr. J. 43: 525-526. Dec. 1945. 23 V66J
- Bottling.

- 13478 CAMPBELL, H., and KILPATRICK, P. W. Effect of storage temperatures on sensitivity of white rose potatoes to processing heat. Fruit Prod. J. and Amer. Food Mfr. 25: 106-108, 120-121. Dec. 1945. 389.8 F94

- 13479 CANADA. DEPT. OF AGRICULTURE. MARKETING SERVICE. CONSUMER SECTION. Freezing fruits and vegetables. Canada. Dept. Agr. Household B. 21, 8 p. Ottawa, 1945. (P. 773) 7 C16H0

- 13480 CRANG, A., and others. A comparison of methods of preserving fruit. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 199-208. 84 B77
- M. Croxall, D. P. James, and M. Sturdy, joint authors.

- 13481 CRANG, A., and CROXALL, M. Notes on domestic apple juice production. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 208-210. 84 B77

- 13482 CRUESS, W. V. Blanching and cooling [of fruits and vegetables] for frozen pack. Fruit Prod. J. and Amer. Food. Mfr. 25: 134-135. Jan. 1946. 389.8 F94

- 13483 H., K. M. Naar aeblerne plukkes ned. Haven 45: 75. Oct. 1945. 80 H29
- Storage of apples.

- 13484 HEID, J. L. Drying citrus cannery wastes and disposing of effluents. Food Indus. 17: 1479-1483. Dec. 1945. 389.8 F737



13485 JOHNSTON, G. E. Frozen fruit; designed for use in the baking industry. Baker's Digest 19: 142-144. Dec. 1945. 389.8 S11

13486 KAUSHIK, R. C. Full utilisation of fruits when cheap and abundant. I-II. Indian Forester 70: 147-151, 177-183. May, June 1944. 99.8 In2  
Preservation methods.

13487 LEE, F. A., and WHITCOMBE, J. Blanching of vegetables for freezing. Effect of different types of potable water on nutrients of peas and snap beans. Food Res. 10: 465-468. Nov./Dec. 1945. 389.8 F7322

13488 MARQUARDT, O. D. Dehydration of potatoes. Nebr. State Bd. Agr. Ann. Rpt. 1945: 522-523. 2 N27R

13489 MITCHELL, C. Preservation of fruit & vegetables on the farm & in the home; apricots: preserving and crystallising. Agr. Gazette N. S. Wales 56: 507-508. Nov. 1, 1945. 23 N472

13490 P., H. K. Kartoffelernes kuling. Haven 45: 75. Oct. 1945. 80 H29

Storage of potatoes.

13491 P., H. K. Opbevaring af nødder og valnødder [Storage of nuts and walnuts]. Haven 45: 74. Oct. 1945. 80 H29

13492 PAVCEK, P. L. Hummel & Company. Winnenden. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1277, 3 p., processed. Washington, 1945. 157.8 B29

Manufacture of rose hip sirup and fruit juices.

13493 PEDERSON, C. S. The fermentation of pickles. Canning Trade 68(24): 9. Jan. 7, 1946. 286.83 T67

13494 RAMÍREZ, J. H. La manufactura de la harina de plátano. Rev. de Agr., Indus. y Com. de Puerto Rico 36(1): 38-43. Jan./June 1945. 8 R325

13495 RAUCH, G. Jam manufacture. Pt. VI. Food Manufacture 21(1): 15-19. (To be cont.) Jan. 1946. 389.8 F736

13496 RAUTAVAARA, T. Konservindustri i Finland. Lantmannen 29: 1027-1028, 1030. Nov. 17, 1945. 11 L234

Preservation of fruit, berries, and vegetables.

13497 ROY, J. B. La déshydratation des légumes. B. des Agr. 42(1): 8-11, illus. Jan. 1946. 7 B872

13498 SCHREIBER, W. R. Dried apricot tonnage drops. Sunsweet Standard 39(7): 8-10. Dec. 1945. 286.83 Su7

13499 SCHREIBER, W. R. World dried prune conditions. Calif. Fruit News 113(3000): 4-6, 8-9. Jan. 5, 1946. 80 C12

13500 SIEGEL, M. The quality production of canned stringless beans. Canning Trade 68(25): 7, 25-26. Jan. 14, 1946. 286.83 T67

13501 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FOODSTUFFS UNIT. Fruit and vegetable canning and preserving industry in Cuba. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 4, 5 p. Washington, 1945. 157.54 In235

Digested from report by C. W. Smith.

13502 WIEDERHOLD, E., MOORE, E. L., and ATKINS, C. D. A note on observations on retarding development of changes in flavor and color of glass-packed grapefruit juice. Fruit Prod. J. and Amer. Food Mfr. 25: 104-105. Dec. 1945. 389.8 F94

13503 WILSON, L. H. Fate of war babies. Calif. Fruit and Veg. Rev. 6(9): 101, 224. Dec. 1945. 80 C1224

Future of the dried and frozen fruit and vegetable industries.

13504 WOODROOF, J. G. Preservation of orchard fruits by freezing. Va. Fruit 34: 105-112. Jan. 1946. 81 V81B

### Statistics

13505 DOWSETT, C. P. Banana growing in New South Wales. Rural Bank N. S. Wales. Farm Front 3: 163-164, processed. Nov. 1945. 281.9 R883

Statistics of the industry.

13506 SCRUGGS, F. H. Volume and value of all fruits and vegetables, season 1944-45. For Sale, Want and Exch. B. 5(4): 1. Nov. 15, 1945. 280.38 F74  
Florida.

13507 SJÖSTRAND, J. Köksväxtodling på åkern år 1944. Sweden. Kommerskol. Jordbruksekonom. Uppgifter 7(2): 7-11. Feb. 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 32, No. 2) 257.3 K832X  
Vegetable production in Sweden in 1944.

### GRAIN AND GRAIN PRODUCTS

13508 ALBERTA WHEAT POOL. Annual report, 1944/45, 91 p. Calgary, 1945. 280.39 AL12

13509 AMOS, A. J. The milling industry in Great Britain; progress in 1945. Food Manufacture 21(1): 11-12, 32. Jan. 1946. 389.8 F736

13510 ANDERSON, J. A., MERRIDITH, W. O. S., and LEVI, I. The quality of western Canadian barley, 1945 crop. Canada. Grain Res. Lab. Crop B. 19, 23 p., processed. Ottawa, 1945. 59.9 C161Qu

13511 ANDERSON, J. A., and CUNNINGHAM, D. K. The quality of western Canadian flax, 1945 crop. Canada. Grain Res. Lab. Crop B. 20, 16 p., processed. Ottawa, 1945. 73.9 C162

13512 ARMSTRONG, G. C. United States considers post-war wheat policy. Rural Bank N. S. Wales. Farm Front 3: 165-168, processed. Nov. 1945. 281.9 R883

13513 BABBITT, J. D. The thermal properties of wheat in bulk. Canad. J. Res. Sect. F, Technol. 23: 388-401. Nov. 1945. 470 C16F

13514 BALLOW, E. B. Grain co-ops look to changes. News for Farmer Coops. 12(10): 12. Jan. 1946. 166.2 N47

Review of the industry.

13515 BERTRAND, G., and DELCA, J. Sur le mécanisme de la fabrication du papier de paille par macération. Paris. Acad. des Sci. Compt. Rend. 220: 805-807. June 4, 1945. 505 P21

Paper from grain straw.

13516 BRAGADIN, E. A. Desenvolvimiento de la producción arrocerá en el país. Inst. Agr. Argentino. Reseñas 5(34): 59-63. 1945. 281.9 B862

13517 CANADA. BUREAU OF STATISTICS. AGRICULTURAL BRANCH. Report on the grain trade of Canada, 1943/44, 117 p. Ottawa, 1945. 59.9 C164

Statistics of the industry.

13518 CASEY, D. L. H. Aspectos de la gestión oficial en la comercialización de granos. Argentina. Sec. de Indus. y Com. B. 1(9/10): 455-475. June/July 1945. 280.9 Ar3

13519 CIPPERLY, J. No wheat ceiling increase seen; price control likely through '46. Feedstuffs 17(52): 1, 37. Dec. 29, 1945. 286.81 F322

13520 FRENCH-MULLEN, M. D. Rice production in Fiji. Fiji. Dept. Agr. Agr. J. 16: 63-66. Oct. 1945. 25 F47Ag

Statistics of production and consumption included.

13521 GRAHAM, H. A. Where the corn goes pop. South. Agr. 76(1): 10. Jan. 1946. 6 So83  
Popcorn production in southern Oklahoma.

13522 GRASSET, E. M. Sistema de conservación de granos en silos subterráneos. Inst. Agr. Argentino. Reseñas 5(34): 39-43. 1945. 281.9 B862

13523 GROSS, D. L. The high moisture corn problem. Nebr. State Bd. Agr. Ann. Rpt. 1945: 203-204. 2 N27R  
Corn storage.

- 13524 H., C. Rice in the Western Division, season 1943-44. Fiji. Dept. Agr. Agr. J. 16: 68-69. Oct. 1945. 25 F47Ag  
Contains statistics of the industry.
- 13525 HARRISON, T. J. Barley market, grade position reviewed. West. Prod. 23(22): 8. Jan. 24, 1946. 7 W523  
Canada.
- 13526 HARWELL, G. L. Converted rice. Tex. Acad. Sci. Proc. and Trans. (1944)28: 241-245. 500 T31
- 13527 KENNEDY, N. F. Corn and American industries. Nebr. State Bd. Agr. Ann. Rpt. 1945: 159-176. 2 N27R
- 13528 MCIVOR, G. Canada's "reservoir"; wheat and goodwill. Milling 105: 418-419. Dec. 8, 1945. 298.8 M622  
Wheat supplies and exports during the war.
- 13529 MAHALANOBIS, P. C. Report on the Bihar crop survey: rabi season 1943-44. Sankhyā 7(1): 29-106. Aug. 1945. 251.8 In2  
A sample survey.
- 13530 MARSHALL, W. H. Preliminary report on 1945 seed corn. Minn. Seed Grower 18(6): 4. Dec. 1945. 61.8 M66
- 13531 MATTALON, R. L'industrie riziere & ses produits. Egypte Agr. 43: 165-173. (Cont.) Sept./Oct. 1945. 24 Un22
- 13532 MILLER, F. Dollar corn - for how long? Nebr. State Bd. Agr. Ann. Rpt. 1945: 197-202. 2 N27R
- 13533 MONTGOMERY, G. Acute wheat scarcity to continue. Northwest. Miller 224(13): 13. Dec. 25, 1945. 298.8 N81
- 13534 MOSTERT, J. F. T. Ensuring bigger maize and wheat crops; sound cultural methods should receive direct encouragement; guaranteed prices the master key. Farmer's Weekly Bloemfontein, 70: 648-649, 651. Nov. 21, 1945. 24 F225
- 13535 NÚÑEZ AGUILAR, A. Nuevas perspectivas de las leyes de granos y elevadores en el país. Inst. Agr. Argentino. Reseñas 5(34): 65-69. 1945. 281.9 B862  
Also in Argentina. Sec. de Indus. y Com. B. 1 (9/10): 487-492. June/July 1945. 280.9 Ar3
- 13536 O'BRIEN, E. J. Chemical changes in wheat resulting from "bin scald." Victoria. Dept. Agr. J. 43: 479-485. Nov. 1945. 23 V66J
- 13537 O'DONNELL, W. W. Calculation of the energy required for rice drying. Rice J. 48(12): 4-5. Dec. 1945. 59.8 B36
- 13538 OLLEA, D. E. Hay despoblación del campo y siguen disminuyendo los cultivos de cereales en el país [Argentina]. Cac. Algodonera 22(261): 1-2, 4-5. Oct. 31, 1945. 72.8 G11  
Contains grain statistics.
- 13539 PARKER, J. H. Qualities the maltsters seek in barley varieties. Grain and Feed Rev. 35 (4): 6, 56. Dec. 1945. 280.28 C78
- 13540 PINCH in wheat. Business Week, No. 856, p. 29-30. Jan. 26, 1946. 280.8 Sy8
- 13541 PUTNAM, H. O. Soft corn creates a serious market problem. Minn. Seed Grower 18(6): 3. Dec. 1945. 61.8 M66
- 13542 RAJALAKSHMAN, D. V. War-time production and distribution of cereals in the Madras Presidency. Indian Co-op. Rev. 11: 82-90. Apr./June 1945. 280.28 In2
- 13543 RODRIGUEZ, M. Siembre maíz. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 448, 457. Nov. 29, Dec. 6, 1945. 9.9 G15B  
Utilization of corn.
- 13544 SCHOPMEYER, H. H. Amioca—the starch from waxy corn. Food Indus. 17: 1476-1478. Dec. 1945. 389.8 F737
- 13545 SEMINO, J. O. Bolsas "al barrer." Argentina. Sec. de Indus. y Com. B. 1(9/10): 323-329. June/July 1945. 280.9 Ar3  
Description and classification of used grain sacks.
- 13546 SHEWFEELT, A. L., and ADAMS, G. A. Separation of starch and gluten. III. A rapid method of separation from wheat flour. Canad. J. Res. Sect. F, Technol. 23: 373-382. Nov. 1945. 470 C16F
- 13547 SILVELA, F. El trigo y su molienda. Surco [Madrid] 4(43): 2-6. (To be cont.) Sept. 1945 15 Su7  
On the composition of wheat.
- 13548 STEVENS, A. R. Future of wheat is discussed; two leading Dominion Government officials suggest that the world picture of wheat production has many angles. Family Herald and Weekly Star 76(48): 4. Nov. 28, 1945. 7 F21
- 13549 TRIEBOLD, H. O. Oxidative deterioration of fats in cereal products. Oil & Soap 22: 334-336. Dec. 1945. 307.8 J82
- 13550 TRIPLETT, J. F. Grain and the cooperatives in 1945. Prod. Consumer 11(6): 7. Jan. 1946. 280.28 P942
- 13551 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FOODSTUFFS UNIT. Rice production trends in Brazil. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 6, 6 p. Washington, 1945. 157.54 In235
- 13552 URIEN, J. C. Aspecto de la producción y comercialización de granos. Buenos Aires y La Pampa, No. 82, p. 11-13. Oct. 1945. 9 B868
- 13553 VIEGAS, G. P. O milho; a planta sagrada dos Incas. São Paulo. Sec. da Agr., Indus. e Com. B. de Agr. (ser. 44) 1943: 346-361. 1945. 9.2 Sa63  
Corn in the Inca civilization, products from corn, and methods of cultivation.
- 13554 WELSH, J. L. Chemurgy, the grain surplus cure. (Excerpts.) Northwest. Miller 224(13): 7, 18, 22. Dec. 25, 1945. 298.8 N81
- 13555 WINNIPEG GRAIN EXCHANGE. List of members, November 1, 1945. 46 p. n. p., 1945. 287 W73L
- 13556 WISSLER, C. Rice as a world food. Nat. Hist. 55: 8-19. Jan. 1946. 500 N483J

## HONEY AND BEESWAX

- 13557 DICKS, W. J. H. Vanity of man is robber of his wages. Canad. Bee J. 53: 207-208. Dec. 1945. 424.8 C16

## Marketing of honey.

- 13558 GAMBLE, R. When there's a free market again, honey must be good - and look good. Smallholder 74(1866): 11. Dec. 21, 1945. 10 Sml
- 13559 HAMMANT, G. E. Preparation of honey for wholesale markets. Australasian Beekeeper 47: 85-86. Oct. 15, 1945. 424.8 Au72
- 13560 SALOMONE, R. La miel: importancia social, económica y terapéutica. Pro-Vida 26(291): 25-26. Dec. 1945. 475 P942
- 13561 TAYLOR, I. How honey should be publicized. Australasian Beekeeper 47: 84-85. Oct. 15, 1945. 424.8 Au72

## LIVESTOCK AND LIVESTOCK PRODUCTS

- 13562 A., D. A. Future [beef] prospects. Canad. Hereford Digest 3(4): 7. Dec. 1945. 43.8 C164
- 13563 ANAND, R. L. Economic aspects of animal husbandry in Hissar - a famine area of the Punjab. Punjab. Bd. Econ. Inq. P. 84, 69 p. Lahore, 1945. 281.9 In2
- 13564 ANDERSON, C. P. Anderson advises: build on consumer liking for meat. Natl. Provisioner 114 (2): 8, 42. Jan. 12, 1946. 286.85 N21



13565 ARCHIBALD, E. S. The future of the live stock industry in western Canada. Agr. Inst. Rev. 1: 93-99. Dec. 1945. 7 Ag8

13566 BERRINS, M. E. Strictly commercial: rabbit meat, rabbit furs [from Chinchillas]. Small Stock Mag. 30(1): 17, 24. Jan. 1946. 48.8 p442

13567 BERUBE, B. L'élevage des moutons est trop négligé [Quebec]. Terre de Chez Nous 18(12): 3. Dec. 26, 1945. 7 T27

13568 COMFORT, J. E. Sausage! Like mother used to make. Philfarmer, 4th quarter, 1945. p. 7. 6 P53

13569 COPPOCK, K. Beef production and markets in the post war period. Agr. Inst. Rev. 1: 100-105. Dec. 1945. 7 Ag8

13570 COTSELL, J. C. Precarious position of sheep-raising, on poorer soils. Farmer and Settler 40(37): 3. Oct. 12, 1945. 23 F226

13571 COUCH, V. M. Will the new year be better or worse [for the rabbit industry]? Small Stock Mag. 30(1): 40. Jan. 1946. 48.8 p442

13572 DALY, C. J. Fat lamb production in Australia. Past. Rev. 55: 846-847. Nov. 16, 1945. 23 Au75

13573 GAMMON, B. A. Southeast becoming important factor in American beef cattle production. South. Stockman 5(12): 12, 18. Dec. 1945. 49 So83

13574 GORNALL, W. B. Bacon market in the United Kingdom. Canada. Dept. Trade and Com. Com. Intel. J. 74: 1-13. Jan. 5, 1945. 286.8 C16  
A review of the industry.

13575 GRAMLICH, H. J. The fundamentals of promoting your breed. Nebr. State Bd. Agr. Ann. Rpt. 1945: 461-463. 2 N27R  
The purebred livestock industry.

13576 GRIMES, C. W. The hindsight, the foresight of the livestock industry. Ranchman 5(9): 10, 12. Jan. 1946. 49 R15

13577 HARTMAN, M. Is raising rabbits a craze? Small Stock Mag. 30(1): 5. Jan. 1946. 48.8 p442

13578 HENNING, E. G. Meat in the two world wars. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 1, 12 p. Washington, 1945. 157.54 In235  
Rationing and other aspects of the industry.

13579 HENNING, E. G. Sausage casings (synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 5, 3 p. Washington, 1945. 157.54 In235  
Survey of the industry.

13580 INSTITUTO Nacional de Carnes. Brazil. Min. do Trab., Indús. e Com. B. 11(132): 136-152. (Concl.) Aug. 1945. 255.3 B737A

13581 JØRGENSEN, H. Husdyrbruget 1944 [Livestock industry 1944]. Tidsskr. for Landøkonomi, No. 8, p. 339-357. Aug. 1945. 11 T43

13582 MACCOLL, E. D. El abasto de carnes de Montevideo. Diario Rural 5(529): 16. Nov. 10, 1945. 9.9 D54

13583 MARLER, R. C. The swine situation in Alberta. Canad. Swine 7(4): 4. Dec. 1945. 46.8 C16

13584 MOSER, L. Live stock situations mixed up --producer managers all agree. Natl. Live Stock Prod. 24(4): 17. Jan. 1946. 280.38 N21

13585 NESBIT, S. More about rabbit skins. Small Stock Mag. 30(1): 50-51. Jan. 1946. 48.8 p442

13586 PIERSON, H. M. Pig industry in wartime -- and its future markets. New Zeal. J. Agr. 71: 489, 491-493. Nov. 15, 1945. 23 N48J

13587 POLLOCK, R. C. National Live Stock and Meat Board work. Butchers' Advocate 119(1): 10-14. Jan. 2, 1946. 286.85 B97

13588 PUTNAM, R. M. Some beef calf club problems. Canad. Hereford Digest 3(4): 11. Dec. 1945. 43.8 C164

Beef Feeding Calf Clubs in the Junior Club program of the Alberta Department of Agriculture.

13589 RANDELL, C. G. Livestock co-ops look to new fields. News for Farmer Coops. 12(10): 11. Jan. 1946. 166.2 N47

13590 RATHJE, F. J. The stockman and his banker. Breeder's Gaz. 111(1): 9, 23. Jan. 1946. 49 B74

Program of the Agricultural Commission of the American Bankers Association, with special reference to livestock.

13591 SEIFERT, H. A. 143,000 flock rams are now required annually by N. Z. producers. Stock and Land 35(10): 7. Mar. 7, 1945. 49 St63

13592 TO INCREASE our livestock. By Numerator. Field 186: 369. Oct. 13, 1945. 10 F45  
A livestock policy for increased production.

13593 VILLEGAS SUÁREZ, J. Cueros defectuosos; importancia de la corambre; averías; pérdidas que ocasionan; medios de evitarlas o disminuirlas. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 459, 467, 468. (To be cont.) Dec. 6, 13, 1945. 9.9 G15B

#### Analysis and Composition

13594 LUNDBERG, W. O., HOLMAN, R. T., and BURR, C. O. Spectroscopic changes in fats during rancidification. Oil & Soap 23(1): 10-14. Jan. 1946. 307.8 J82

Studies on lards.

#### Consumption and Utilization

13595 COLLINS, J. H. Horn, from an ancient craft to a modern industry. Brit. Plastics 17: 444-450. Nov. 1945. 309.8 B76

Articles made from horn and manufacture of synthetic horn or plastic from casein.

13596 DILLON, C. E. How locker operators can profit from inedible rendering; complete details how lockers can utilize all inedible by-products and turn them into added profits. Meat Merchandising 21(12): 90-92, 94, 96, 98, 100. Dec. 1945. 286.85 M462

#### Distribution, Marketing, and Transportation

13597 ADAMS, G. Selling and delivering. Small Stock Mag. 30(1): 4. Jan. 1946. 48.8 p442  
Chickens and rabbits.

13598 ANDERSON, N. The self-service store and frozen packaged meats. Quick Frozen Foods 8(5): 80-81. Dec. 1945. 389.8 Q4

13599 ASHBY, R. C. Selling live stock requires know how and experience. Natl. Live Stock Prod. 24(4): 6, 16. (Cont.) Jan. 1946. 280.38 N21

13600 BISSON, J. E. Pourquoi devons-nous nous servir de nos coopératives locales? Terre de Chez Nous 18(11): 19. Dec. 19, 1945. 7 T27  
Advantages of cooperative selling of livestock.

13601 BLAGBURN, C. H. Future of fatstock marketing. Farmers Weekly [London] 23(26): 16. Dec. 28, 1945. 24 F225

13602 BLAINE, C. E., & Son. Instructions for rail shipments of livestock. Calif. Cattleman, Oct. 1945, p. 10, 24-25. 43.8 C12

13603 BRIGHT, J., and ARKELL, H. S. The bacon hog and the British market. Canad. Swine 7(4): 10-11. Dec. 1945. 46.8 C16

13604 CONWAY, H. M. Strong demand favors all live stock markets first 9 months of 1946. Natl. Live Stock Prod. 24(4): 8. Jan. 1946. 280.38 N21

- 13605 COPPOCK, K. R. The commercial cattle market (Aug. 27, '45). Canad. Cattlemen 8: 119, 158-159, 162. Dec. 1945. 49 C16
- 13606 ELIJAH, H. D. Marketing of purebred livestock. Duroc News 20(1): 170, 172-174, 176, 178, 180. Jan. 1946. 46.8 N212
- 13607 HERMAN, H. Extending the services of the [livestock] co-operative. Calif. Cultivator 25(23): XXV. Dec. 22, 1945. 44.8 C12
- 13608 HOBBS, E. A. Merchandising rabbits [cooperatively]. Calif. Rabbits Mag. 9(6): 14. (Concl.) Jan. 1946. 40.28 Sa5

13609 HOLLISTER, D. Merchandising rabbits; a necessity for survival. Calif. Rabbits Mag. 9(5): 8. Dec. 1945. 40.28 Sa5

13610 HUNTER, F. A. How the [American Meat Institute] educational program can help the meat industry. Butchers' Advocate 118(24): 18-19. Dec. 12, 1945. 286.85 B97

13611 INDIA. CENTRAL AGRICULTURAL MARKETING DEPT. Agricultural marketing in India. Report on the marketing of sheep and goats in India. India. Agr. Mktg. Adv. Mktg. Ser. 50, 70 p. Delhi, 1945. 280.39 In2

13612 MCFARLIN, C. Accent on commercial. Aberdeen-Angus J. 27(6): 51, 131. Jan. 1946. 43.8 Ab3

13613 MCLEAN, J. S. Postwar prospects for b. [beef] cattle and hay [i. e. hog?]; marketings. Country Life [Vernon] 29(10, i. e. 12): 5. Dec. 1945. 7 C832

13614 MORRISSEY, W. J. 1945 from the beef-cattle market point of view. Amer. Hereford J. 36(17): 30-31, 106. Jan. 1, 1946. 43.8 Am32

13615 PATWORTH, D. Market surplus rabbits as soon as fit. Poultry [London] 97: 377. Dec. 11, 1945. 47.8 P869

13616 PICKELL, M. W. Feeders fight for fair break. Breeder's Gaz. 111(1): 12, 16, 35. Jan. 1946. 49 B74

Livestock prices and marketing.

13617 TODOROFF, A. Meat retailers should heed this call—M-Day is coming. Merchandising will soon be the order of the day. Dealers should get ready now to place big emphasis on selling. Meat Merchandising 21(10): 26-31. Oct. 1945. 286.85 M462

13618 VEGA KAYAT, A. Características del mercado de carnes [Mexico]. Rev. de Econ. 8(12): 11-15. Dec. 15, 1945. 280.8 R3293

13619 WILLIAMS, C. Mr. Dick Hollister on merchandising rabbits. Calif. Rabbits Mag. 9(5): 8. Dec. 1945. 40.28 Sa5

#### Grading, Inspection, Standardization, and Quality

13620 I., L. Die regelung des schlachtviehabsatzes in der zukunft. Schweiz. Zentbl. f. Milchw. 34: 219. Nov. 30, 1945. 44.8 Sch93

#### Packing and Packaging

13621 HIGHTOWER, G. Quick wrap for bacon. Food Indus. 17: 1466-1467. Dec. 1945. 389.8 F737

#### Prices, Price Control, and Rationing

13622 BURROWS, G. T. Cattle prices soar in England. Farmer's Advocate 80: 934. Dec. 27, 1945. 7 F22

13623 DALTON, M. L. More about Virginia stocker-feeder calf sale with figures. East. Breeder 7(8): 18-19. Jan. 1946. 49 V81

13624 LID COMES off pedigree dairy cattle prices. By The Old 'Un. Home Farmer 12(12): 16. Dec. 1945. 280.344 H75

Prices in Great Britain.

13625 MULBROW, M. W. Increase spring pig crop. Ark. Farmer 47(12): 8. Dec. 1945. 6 Ar42

Support prices.

13626 PICKELL, M. W. Feeders fight for fair break. Breeder's Gaz. 111(1): 12, 16, 35. Jan. 1946. 49 B74

Plea for continued price support and a fair method of removal of subsidies.

13627 SHEPHERD, T. L. Beef rationing and the farmer. Canad. Hereford Digest 3(4): 18. Dec. 1945. 43.8 C164

#### Processing and Storage

13628 ANDREWS, J. C. How meat is dehydrated in New Zealand. Food Indus. 18(1): 100-101, 224. Jan. 1946. 389.8 F737

13629 ARGENTINA. CONSEJO DE ESTADÍSTICA Y CENSOS PÚBLICO. La industria frigorífica durante el año 1944. Union Indus. Argentina. Rev. 58(923): 67-68. Nov. 1945. 280.9 Un37

13630 ATRISTÁIN, G. Elaboración de harina de hueso. Agr. Mex. 61(12): 1-4. Dec. 1945. 8 Ag8

13631 BOTTS, R. Kansas locker operator tells how to cure meat. Meat Merchandising 22(1): 66, 68, 70. Jan. 1946. 286.85 M462

13632 BOTTS, R. Kansas locker operator tells how to render lard. Meat Merchandising 21(11): 64, 66, 68. Nov. 1945. 286.85 M462

13633 BRADY, D. E., and SMITH, F. H. Control of rancidity in cured bacon. Quick Frozen Foods 8(5): 125. Dec. 1945. 389.8 Q4

13634 GERRARD, F. Dry-salt bacon curing: the way to ensure safe, sound keeping. Smallholder 74(1868): 12. Jan. 4, 1946. 10 Sml

13635 GERRARD, F. This is how I cut up a pig. Smallholder 74(1867): 10-11. Dec. 28, 1945. 10 Sml

13636 KERN. Observations on meat packing. Butchers' Advocate 118(24): 11-13. Dec. 12, 1945. 286.85 B97

13637 KUNKEL, F. E. Packing plant for Lake Wales, Fla. Butchers' Advocate 118(24): 14-15. Dec. 12, 1945. 286.85 B97

Advantages of having a meat slaughtering plant located in Lake Wales.

13638 MCMASTER, A. Do your own tanning. New Zeal. Farmer Weekly 66(20): 8. Nov. 29, 1945. 23 N484

13639 NEEL, L. R. Back to farm butchering. South. Agr. 76(1): 11. Jan. 1946. 6 So83

Slaughtering and curing of swine.

13640 OWTWHAITE, R. M. Meat processing. Kans. Stockman 30(2): 9, 12-13. Dec. 1945. 49 K134

13641 RANDOLPH, B. It's meat canning time. Ark. Farmer 47(12): 17, 21. Dec. 1945. 6 Ar42

13642 RICKARD, J. A. Home tanned leather. Your Farm 4(3): 16-20. Jan. 1946. 6 Y8

13643 RITZENTHALER, R. E. Chippewa Indian tanning method. Hide and Leather and Shoes 110(23): 16-18. Dec. 22, 1945. 303.8 H53

13644 SJÖHOLM, S. Den statliga lagringen i frysa hus av vissa animalier. Sweden. Kommerskol. Jordbruksekonom. Uppgifter 7(3): 1-5. Mar. 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 32, No. 3) 257.3 K832K

Cold storage of Government supplies of meat and butter in Sweden.

13645 SNOW, C. F. Can rabbit pelts be cured at home? Smallholder 74(1864): 20. Dec. 7, 1945. 10 Sml

13646 STETSON, P. C. Freezing cattle on the range. Quick Frozen Foods 8(5): 100, 104. Dec. 1945. 389.8 Q4



13647 WATSON, M. A. The history and economics of cattlehide leather tanning. Shoe and Leather Rptr. 240(13): 88, 90, 92, 106, 108. (Cont.) Dec. 29, 1945. 303.8 Sh7

Also in Hide and Leather and Shoes 110(23): 13-15; 111(5): 13-15. (Cont.) Dec. 22, 1945; Jan. 26, 1946. 303.8 H53

13648 WHITE, W. H., and others. Canadian Wiltshire bacon. XXV-XXVII. Canad. J. Res. Sect. F, Technol. 23: 340-372. Nov. 1945. 470 C16F

Contents: XXV. Chemical preservatives for maintaining quality at high storage temperatures, by W. H. White, N. E. Gibbons, and M. W. Thistle; XXVI. Further observations on the preservation of quality at high storage temperatures, by W. H. White, M. W. Thistle, and T. A. Steeves; XXVII. Effect of method of thawing frozen pork on bacon quality, by W. H. White, G. A. Grant, and N. E. Gibbons.

13649 WINTER, J. D. Freezing meat at home. Philfarmer, 4th quarter, 1945, p. 6. 6 P53

### Statistics

13650 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. FISHERIES AND ANIMAL PRODUCTS BRANCH. Slaughtering & meat packing and sausage & sausage casings, Canada, 1944, 34 p., processed. Ottawa, 1945. 50.9 C163

Statistics of the industry.

13651 LINDMAN, K. Svin- och hönsräkningen den 16 april 1945. Sweden. Kommerskol. Jordbruksekonom. Uppgifter 7(7): 1-8. July 1945. (Bound with Sweden Kommerskol. Kom. Meddel. v. 32, No. 6) 257.3 K832K

Swine and poultry statistics in Sweden.

13652 QUEENSLAND MEAT INDUSTRY BOARD. Annual report, 1944/45, 8 p. Brisbane, 1945. 286.3509 Q3

Contains statistics of the meat industry.

### OILS AND OILSEEDS

13653 ARGENTINA. MINISTERIO DE AGRICULTURA. DIRECCIÓN DE ESTADÍSTICA. Investigación sobre las plantaciones de tung en el país al 15 de noviembre de 1944. Argentina. Sec. de Indus. y Com. B. 1(9/10): 318-322. June/July 1945. 280.9 Ar3

Statistics of tung plantings, including classification of holdings according to land tenure.

13654 BAILEY, A. E., and FISHER, G. S. Modification of vegetable oils. V. Relative reactivities toward hydrogenation of the mono-, di-, and triethenoid acids in certain oils. Oil & Soap 23(1): 14-18. Jan. 1946. 307.8 J82

13655 BERZAGHI, M. N. Óleos vegetais como combustíveis. São Paulo. Sec. da Agr., Indus. e Com. B. de Agr. (ser. 44) 1943: 251-266. 1945. 9.2 Sa63

13656 CALDWELL, A. G., and JONES, E. R. H. The constituents of expressed West Indian lime oil. London. Chem. Soc. J., Aug. 1945, p. 540-543. 382 L84J

13657 CLIFFE, A. E. The soyabean and its uses. Milling and Feed 27(1): 5-6, 10. Jan. 1946. 298.8 C162

13658 CLOPTON, J. R., and VON KORFF, R. W. Typha (Cattail) seed oil. Oil & Soap 22: 330-331. Dec. 1945. 307.8 J82

13659 FERREYRA REYNOLDS, L. Importancia de intensificar el cultivo del tung. Bolsa de Com. del Rosario. Rev. 33(813): 13-14, 16. Nov. 30, 1945. 287 R71

Statistics of the industry in Argentina.

13660 FISH, W. R., and others. The application of liquid-liquid extraction to the fractionation of coconut oil. (Condensed.) Oil & Soap 22: 317-319. Dec. 1945. 307.8 J82

M. H. Menaker, P. M. Althouse, and H. O. Triebold, joint authors.

13661 GARG, S. L., and PARKASH. Cottonseed oil; a study of the treatment of Indian cottonseed oil. Soap, Perfumery & Cosmetics 18: 971-972, 990. Dec. 1945. 307.8 Sol3

13662 GARRIDO BODY, O. Importancia del cultivo del olivo en la Provincia de Atacama [Chile]. Agr. del Norte 29: 177-178. July 1945. 9.3 Sol4

13663 GOSS, W. H., and MARKLEY, K. S. German processing of fats, oils and oilseeds. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1254, 55 p., processed. Washington, 1945. 157.8 R29

13664 GOSS, W. H. Summary of field investigations; fats, oils and oilseeds. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1270, 24 p., processed. Washington, 1945. 157.8 R29

German oilseed industry.

13665 GUENTHER, E. Oil of angelica - production and characteristics. Food Indus. 18(1): 104-106, 218, 220. Jan. 1946. 389.8 F737

13666 HALL, M. D. The vitamin oil trade - United States. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drugs and Pharm., v. 3, No. 45, 7 p. Washington, 1945. 157.54 In232

Includes processing and refining of fish oils.

13667 HINNERS, H. F., MCCARTHY, J. J., and BASS, R. E. The evaluation of bleaching earths; the adsorptive capacity of some bleaching earths of various pH for chlorophyll in soybean oil. Oil & Soap 23(1): 22-25. Jan. 1946. 307.8 J82

13668 HOBSON, G. D. Producing oils; science lends a hand. Adv. Sci. 3: 239-251. Nov. 1945. 501 B77A

13669 KLATT, T. J., and others. Food yeast growth on peanut protein waste liquors. Oil & Soap 22: 319-321. Dec. 1945. 307.8 J82

E. D. Parker, A. F. Pomes, and N. Porges, joint authors.

13670 MARKLEY, K. S. Union Margarinier Belge. S. A., Baasrode, Belgium. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1263, 7 p., processed. Washington, 1945. 157.8 R29

Processing of oilseeds.

13671 MARTÍNEZ DE BILLARD, J. E. Producción nacional de aceites vegetales. Buenos Aires y La Pampa, No. 82, p. 34-37. Oct. 1945. 9 B868

Statistics of production and consumption.

13672 MAVEETY, D. J. Correlation of keeping properties of shortenings with keeping quality of biscuits. Oil & Soap 23(1): 25-27. Jan. 1946. 307.8 J82

13673 MAYO, J. K. Soya beans in Nigeria. Trop. Agr. [Trinidad] 22: 226-229. Dec. 1945. 26 T754

Varieties, food value, and world position of the crop in relation to Nigeria.

13674 MAYORAL, J. E. La perspectiva de los aceites esenciales en Puerto Rico. Rev. del Café 1(2): 29-31. July 1945. 8 R3295

13675 MELOY, G. S. Nuisance crop strikes oil. Food Mater. and Equip. 5(12): 6, 18. Dec. 1945. 389.8 F7393

Cottonseed oil.

13676 MEYER, A. C. A cultura do tungue no Estado de São Paulo. São Paulo. Sec. da Agr., Indus. e Com. B. de Agr. (ser. 44) 1943: 362-365. 1945. 9.2 Sa63

Properties and uses of tung oil and cultivation of the plant.

13677 NAVES, Y. R. Analysis of essential oils with the aid of refractive dispersion. Mfg. Chem. 16: 429-431. Dec. 1945. 396.8 M31

13678 R., D. S. Vegetable oils in Paraguay. Rev. River Plate 99(2815): 16-18; (2816): 14-16. Nov. 23-30, 1945. 286.8 R32

13679 ROACH, H. L. Larger acreage of soybeans will be needed to meet protein demands. Feed Bag 21(12): 59-60. Dec. 1945. 389.78 F32

13680 SAGE, C. E. Juniper [oil]. Perfumery and Essential Oil Rec. 16: 316. Dec. 1945. 308.8 P41

13681 SOUZA, A. H. DE. Extrato de flor de laranjeira. Chacaras e Quintais 72: 433-434. Oct. 15, 1945. 9.2 C34

13682 ZIELS, N. W., and SCHMIDT, W. H. Catalytic effect of metals and light on fats and oils [vegetable]. Oil & Soap 22: 327-330. Dec. 1945. 307.8 J82

#### POULTRY AND POULTRY PRODUCTS

13683 ARY, J. E., and JORDAN, R. Plain butter cakes and baked custards made from spray-dried whole-egg powder. Food Res. 10: 476-484. Nov./Dec. 1945. 389.8 F7322

13684 B., M. Don't wash the eggs; suggestions for handling quality eggs. Wallaces' Farmer and Iowa Homestead 71: 76. Jan. 19, 1946. 6 W15

13685 BATE-SMITH, E. C., and HAWTHORNE, J. R. Dried egg. X. The nature of the reactions leading to loss of solubility of dried egg products. Soc. Chem. Indus. J. Trans. and Commun. 64: 297-302. Nov. 1945. 382 M31

13686 BURUM, D. H. Chicks that fly; day-old birds are flying the Pacific once again. Hawaii Farm and Home 9(1): 4-5. Jan. 1946. 25 H3191  
Transportation by air.

13687 CATHCART, W. H. Highspeed defrosting of frozen eggs. Ice Cream Field 46(6): 64, 72. Dec. 1945. 389.8 Ic23

13688 CREIGHTON, H. Poultry situation for 1946: egg surplus will be large; U. S. to support egg prices. Prairie Farmer, Gen. Ed. 118(1): 31-32. Jan. 5, 1946. 6 P883

13689 DAKAN, E. L. Paste this in your hat! Eggs must be good if we want to sell them. Ohio Farmer 197(1): 18-19. Jan. 5, 1946. 6 Oh3

13690 ELIÄSON, S. Moderna slakterier för fjäderfä bland efterkrigsmålen. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 15(41): 1, 12. Oct. 13, 1945. 11 J762

Poultry slaughtering and marketing in Sweden.

13691 FRANCIS, M. Egg marketing; the food dealer has an important part in increasing the profit margin in egg production. Feedstuffs 17(49): 56. Dec. 8, 1945. 286.81 F322

13692 G., C. End of poultry control is now in sight. Smallholder 74(1867): 11. Dec. 28, 1945. 10 Sml

Expansion of the industry in Britain.

13693 GORDON, M. D. Prospects for poultry industry [in Great Britain]. Field 186: 511. Nov. 17, 1945. 10 F45

13694 GORRIE, C. J. R. Efficient egg washing needed for local consumption. Stock and Land 35(42): 3. Oct. 17, 1945. 49 St63

Chiefly on care and handling of eggs.

13695 HADDON, G. Poultry keeping in Bengal. New Zeal. J. Agr. 71: 513, 515, 517. Nov. 15, 1945. 23 N48J

Survey of the industry.

13696 HOFFMANN, E. Where the broiler industry can progress from here. Peninsula Broiler J. 5(18): 1-3. Jan. 21, 1946. 47.8 P37

13697 KEMPE, H. Aktuellt om slakt av fjäderfä; krav på rationellare behandling av varan. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 15(37): 1, 11. Sept. 15, 1945. 11 J762

Slaughtering and marketing of poultry.

13698 LINDSEY, A. H. Poultry [products] prospects for 1946. Mass. State Col. Ext. Farm Econ. Facts, Jan. 1, 1946, p. 4. 275.29 M381Fa

13699 LOWRIE, A. W. Egg producers - what now? Nulaid News 23(8): 5-6. Nov./Dec. 1945. 47.8 N917  
Outlook for egg production and marketing.

13700 MUSSEHL, F. E. What is good poultry management? Nebr. State Bd. Agr. Ann. Rpt. 1945: 371-374. 2 N27R

13701 NORWOOD, G. Waco has thriving chicken business. East Tex. 20(4): 9. Jan. 1946. 6 Ea73

13702 REED, F. D. Hatching egg producers face new situation; demand will be less, and producer must consider extra cost. Merrimack's Monthly Messenger 7(11): 5-6. Nov. 1945. 6 M55

13703 REED, J. M. Baby chicks fly south. Kans. Farmer 83(1): 18. Jan. 5, 1946. 6 K13  
Transportation by air.

13704 SCANLAN, J. J. Poultry associations must add new services. News for Farmer Coops. 12(10): 13-14. Jan. 1946. 166.2 N47

13705 SMITH, C. F. Poultry and egg merchandising. Butchers' Advocate 118(26): 11-12. Dec. 26, 1945. 286.85 B97

13706 THIS GRADING of eggs! Farm women have no leisure hours. By Barnyard Rose. Saskatchewan Farmer 37(1): 6. Jan. 2, 1946. 7 Sa74

13707 TODD, L. Neppco [Northeastern Poultry Producers Council] news predicts 30% less broilers. Peninsula Broiler J. 5(17): 1, 5. Jan. 7, 1946. 47.8 P37

13708 TOWNSLEY, T. S. Prospects indicate a good chick season after a slow start. Smith's Chickagrams 14(12): 1-3. Dec. 1945. 47.8 Sm6

13709 WILLIAMS, E. W. Poultry--its future as a quick frozen product. Butchers' Advocate 118(24): 42-46. Dec. 12, 1945. 286.85 B97

13710 WINTER, A. R. The microbiology of eggs. Amer. Egg & Poultry Rev. 6: 830, 834. Dec. 1945. 47.8 Am38

#### RUBBER AND RUBBER SUBSTITUTES

13711 ABERNATHY, H. H., and WALSH, R. H. Making flexible molds from neoprene latex. Rubber Age 58: 349-351. Dec. 1945. 305.8 R82

13712 BLOOR, W. F. Postwar rubber industry capacities and implications. J. Mktg. 10: 279-281. Jan. 1946. 280.38 J82

13713 BRAGINA, F., and TARASOVA, T. Dostizheniia peredovykh kauchukovodov Vladimirovskoi oblasti. Socialist. Sel'sk. Khoz. 16(7/8): 53-58. July/Aug. 1945. 281.8 So73

Yields of kok-saghyz on the collective farms of the Vladimir region.

13714 CASTRO JENKINS, E. Pequeña industria huletera en Tilarán. Agr. Costarricense 3: 392-393. Oct. 1945. 8 Ag895

13715 DOWNS, F. L. Mistura industrial e análise de borracha para fins específicos. Pará. Inst. Agron. do Norte. C. 2, 71 p. Belem, 1945. 9.2 P213  
Contains a glossary of Portuguese and English terms used in the rubber industry.

13716 HOARE, D. E. Conservation of rubber; will war-time practices continue into post-war practice? India Rubber J. 109(25): 16, 18-19. (Concl.) Dec. 22, 1945. 305.8 In21

13717 OVERLEY, S. E. Rubber. Dom. Com. 34(1): 38-40. Jan. 1946. 157.54 D713  
1946 outlook.



13718 U. S. DEPT. OF STATE. Cooperative rubber plantation investigations; agreement between the United States of America and Haiti; effected by exchange of notes signed at Port-au-Prince December 29, 1944 and January 8, 1945. U. S. Dept. State. Exec. Agreement Ser. 462, 6 p. Washington, 1945. (P. 2436) 150 Ex3

## SEEDS

13719 ALAZRAQUI, J. M. La semilla fiscalizada y la calidad de las cosechas. Res 13: 18264-18265. Nov. 5, 1945. 286.85 R31

13720 ANDERSEN, J. C. Det nye udlæg. Tidsskr. for Frøavl 17: 315-323. Dec. 1945. 61.8 T43  
Production and prices of seeds in Denmark.

13721 DANSKE LANDBOFORENINGERS FRØFORSYNING. Markedsberetning. Tidsskr. for Frøavl 17: 328. Dec. 1945. 61.8 T43  
Export prices of Danish seeds.

13722 DAY, W. J. Selling certified seed. Nebr. State Bd. Agr. Ann. Rpt. 1945: 225-230. 2 N27R

13723 DREWES, H. The 1944 [vegetable] seed situation. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 59-61. 75.9 Oh3

13724 EMERY, C. A. Importancia de la exacta determinación varietal en las siembras de trigo. Inst. Agr. Argentino. Reseñas 5(34): 51-54. 1945. 281.9 B862

Certified seed.

13725 HALL, P. L. Report of the certification manager; seed certification. Nebr. State Bd. Agr. Ann. Rpt. 1945: 240-243. 2 N27R

Seed certification work of the Nebraska Crop Improvement Association.

13726 HALL, T. E. Co-ops buy, sell, and breed better seed. News for Farmer Coops. 12(10): 12. Jan. 1946. 166.2 N47

13727 HARRISON, M. P. N.B. seed growers produce high quality product. Marit. Farmer and Co-op. Dairyman 51(6): 3. Dec. 18, 1945. 7 C77

13728 LUND, J. H. Frøavl og økfrøet. Norsk Hageselskap. Minneliste for Hagedyrkere, 1943, p. 3. 86 N81

Supply of vegetable and root crop seed in Denmark.

13729 NORTH CAROLINA CROP IMPROVEMENT ASSOCIATION, INC. Apprentice growers; producers of North Carolina hybrid seed corn inspected and approved (not certified), 1945. 6 p. Raleigh, 1945. 225 N8172

13730 NORTH CAROLINA CROP IMPROVEMENT ASSOCIATION, INC. Certified seed of cotton, corn, tobacco, potatoes, sweet potatoes, and soybeans, 1945. 15 p. Raleigh, 1945. 61.9 N815

13731 RUSSOW, W. F. Legume seed situation serious. Co-op. Rev. 13(2): 26-27. Jan. 1946. 280.28 C7823

13732 SEED trade buyers guide, 29, 1946, 242 p. Chicago, 1946. 225 Se3

13733 SJELEBY, K., and STAHL, C. How are the different seed species classified in the purity analysis by the seed testing stations all over the world? Assoc. Internatl. Essais Semences. Compt. Rend. (Internatl. Seed Testing Assoc. Proc.) (1941/43) 13: 128-146. 1944. 61.9 In84p

13734 UNDERWOOD, F. O. Garden seed for 1946. G. L. F. Week. Serv. Sched. 10(21): 1, 4. Nov. 19, 1945. 280.28 G113W

## SUGAR AND SIRUPS

13735 ASOCIACIÓN DE COLONOS. COMITÉ EJECUTIVO. Informe... a la Asamblea Nacional de Representantes. Labor 4(98): 4-5. Nov. 30, 1945. 8 L11  
Problems of the Cuban sugar industry including wages and sale of the harvest to the United States.

13736 BERESFORD, H. Sugar beet top utilization. Sugar Beet 6(1): 20-22. Dec. 1945. 66.8 Su34B

13737 BOTELHO, J. Velocidade da fermentação alcoólica. Brasil Açucareiro 26: 308-310. Sept. 1945. 65.8 B73  
Alcohol from sugar.

13738 DIÉGUES JÚNIOR, M. O meio geográfico do açúcar em Alagoas. Brasil Açucareiro 26: 325-328. Sept. 1945. 65.8 B73

Conditions under which the industry was established.

13739 DYER, B. W., & CO. The United States and world sugar industry; a short wartime history. So. African Sugar J. 29: 421, 423. Oct. 1945. 65.8 So8

13740 GUASTELLA, M. Azúcar y publicidad [Cuba]. Tierra Libre 9(11): 16. Nov. 1945. 8 T443

13741 GUERRA, A. Por Cuba y por nuestro azúcar. Labor 4(98): 1, 2. Nov. 30, 1945. 8 L11

13742 GUERRA, A. Triste destino. Tierra Libre 9(11): 8. Nov. 1945. 8 T443  
Importance of sugar crop to Cuba.

13743 HOCKETT, R. C. Sugar in industry. So. African Sugar J. 29: 429, 431. Oct. 1945. 65.8 So8  
Industrial uses.

13744 HURST, F. J. A new cane industry grown out of the old. Prog. Farmer, Miss.-Ark.-La. Ed. 61(1): 16, 48, 50. Jan. 1946. 6 So81

13745 HUSTON, B. T. Sugar cloud still lacks silver lining; canners are told improved picture will evolve slowly due to consumption running above production. Canad. Grocer 60(1): 5-6. Jan. 1, 1946. 386.83 C162

13746 JAMAICA sugar industry; report of commission of inquiry. West India Com. C. 60: 227-231. Dec. 1945. 8 W524

Summary of report of the Jamaica Industry Commission.

13747 KENNEY, C. H. Sugar puts jam-makers in jam; mostly about jam; Ontario Jam Association held third annual meeting during a luncheon session on December 12th at Niagara Falls, Ontario. Canad. Food Packer 17(1): 28-30. Jan. 1946. 286.83 C166

13748 L., G. W. Sugar and the consumer. So. African Sugar J. 29: 431. Oct. 1945. 65.8 So8  
Consumer's lack of understanding of the industry.

13749 LAMEORN, O. The miracle of sugar. Sugar Beet 6(1): 5-6, 26-27. Dec. 1945. 66.8 Su34B

13750 LAMERS, T. Aperçu historique de la sucrerie de cannes. Guadeloupe. Serv. de l'Agr. Rev. Agr. (n. s.) 2: 198-204. (Cont.) Nov. 1945. 8 R327

13751 LANGEN, F. La fabricación del azúcar de betarraga. Scientia [Valparaíso] 12: 325-333. Nov./Dec. 1945. 475 Sci25

13752 LEPA, P. M. Khorosho ubrat' i sokhranit' sakharnuû sveklu. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 26, sheet. Moskva, 1945. 20 Ag88  
Harvesting and storage of sugar beet.

13753 LIMA SOBRINHO, B. A crise mundial do açúcar. Brasil Açucareiro 26: 282-283. Sept. 1945. 65.8 B73

13754 MAGALHÃES, B. DE. O açúcar nos primórdios do Brasil colonial. IX. Brasil Açucareiro 26: 320-323. Sept. 1945. 65.8 B73

13755 MICHIGAN SUGAR COMPANY. Physical and chemical properties of various sugars. (Excerpts.) Sugar J. 8(7): 19-20. Dec. 1945. 65.8 Su391

- 13756 MUIR, R. The Australian sugar industry. So. African Sugar J. 29: 435, 437, 439. Oct. 1945. 65.8 So8
- 13757 OTTOSSON, A. Årets sockerbetsmilling i Östergötland; betingelserna bättre än år 1944. Lantmannen 29: 1075. Dec. 1, 1945. 11 L234  
The sugar beet crop in East Gothland in 1945.
- 13758 RODRIGUES, J. H. Agricultura e economia açucareiras no século XVIII. Brasil Açucareiro 26: 312-318. Sept. 1945. 65.8 B73
- 13759 ROMERO MANRIQUE, A. Instrucciones generales para la elaboración de panelas. Manabí, Ecuador. Consorcio de Cent. Agr. B. 7(43): 5-6. (Concl.) July/Sept. 1945. 9.5 M31
- 13760 SHEPPARD, C. Y. The sugar industry of Fiji; Dr. Sheppard's report. Austral. Sugar J. 37: 380-381, 383. Dec. 15, 1945. 65.8 Au7
- 13761 STEELE, C. F. Alberta's sugar beets are valued partners of B. C. fruits. Country Life (Vernon) 29, i. e. 30(11, i. e. 1): 9. Jan. 1946. 7 C832
- 13762 STEELE, C. F. Sugar beets to sugar bowl. Saskatchewan Farmer 37(1): 10. Jan. 2, 1946. 7 Sa74  
The Canadian sugar industry.
- 13763 THE SUGAR industry of Formosa. Austral. Sugar J. 37: 391, 393. Dec. 15, 1945. 65.8 Au7
- 13764 SUGAR Reference Book and Directory, v. 14, 1945, 192 p. N. Y. 304.9 T31  
Partial contents: The mechanization of beet and cane growing, by O. W. Willcox, p. 11-14; Agriculture and technology of sugar in 1944-45, by O. W. Willcox, p. 15-19.
- 13765 VENNER, A. K. Home-grown sugar beet seed... some of the field and factory processes involved. Farmers Weekly (London) 23(26): 22-23. Dec. 28, 1945. 10 F2226
- 13766 VIVEIROS, J. DE. O açúcar através do periódico "O Auxiliador da Indústria Nacional." XIII. Brasil Açucareiro 26: 329-330, 331. Sept. 1945. 65.8 B73
- 13767 YANIZ, E. Cuota y precio del azúcar. Labor 4(98): 1, 2. Nov. 30, 1945. 8 L11  
Cuba.
- TOBACCO
- 13768 BATT, R. F., and MARTIN, H. The home-production of nicotine. Bristol U., Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 140-144. 84 B77
- 13769 BRETÓN NEWHALL, O. S. Tabaco habano. Campo (Guadalajara) 13: 108. June 1945. 8 G76
- 13770 BRETÓN NEWHALL, O. S. Tabaco habano - signo de intercambio comercial. Campo (Buenos Aires) 29(343): 36. May 1945. 9 C15  
Financial importance of the industry in Argentina and need for an Argentine-Cuban trade treaty.
- 13771 BRETÓN Y NEWHALL, O. S. La importancia del tabaco habano. Suelo Argentino 4: 389. June 1945. 9 Su2
- 13772 BRUNELLI, A. Extracción, acondicionamiento y conservación de muestras comerciales de tabaco. Argentina. Sec. de Indus. y Com. B. 1(9/10): 293-298. June/July 1945. 280.9 Ar3
- 13773 BUNKER, F. H. Suggestions for planter betterment and his tobacco in 1946 economy; expert in leaf, who knows the Puerto Rican set-up, offers practical plans for binder and little cigar production on the Island to relieve the intense pressure on the large number of growers. Tobacco (New York) 121(26): 13, 20, 39-40. Dec. 27, 1945. 286.89 T552
- 13774 CABRERA PÉREZ, F. La Asociación Nacional de Cosecheros de Tabaco [de Cuba]; nuestra asociación en la post-guerra. Tierra Libre 9(11): 14-15. Nov. 1945. 8 T443
- 13775 CARROLL, A. H. Leaf tobacco - high-ranking commodity in wartimes. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 9, 7 p. Washington, 1945. 157.54 In235  
Statistics of the industry.
- 13776 FERNÁNDEZ, R. J. El tabaco argentino con vistas al comercio exterior. Inst. Agr. Argentino. Reseñas 5(34): 45-49. 1945. 281.9 B862  
The tobacco industry.
- 13777 GIL DE RUBIO, V. M. New is news; what may be told about leaf and prices on the Island (Puerto Rico). Tobacco (New York) 121(26): 15. Dec. 27, 1945. 286.89 T552
- 13778 GILMORE, L. E. Undeveloped Canadian sources of nicotine. Canada. Expt. Farms. Tobacco Div. Lighter 15(4): 16-19, processed. Nov. 1945. 286.89 C16  
Stems and cuttings as a source of nicotine and other products obtainable from tobacco farm wastes.
- 13779 GORDON, M. La nicotine: caractères - préparation - emplois. Chim. & Indus. (Paris) 53(1): 27-32. Jan. 1945. 383 C42
- 13780 HASLAM, R. J., STINSON, F. A., and BORDELEAU, R. Progress of the 1945 Canadian tobacco crop. Canada. Expt. Farms. Tobacco Div. Lighter 15(4): 5-7, processed. Nov. 1945. 286.89 C16
- 13781 HOLLIDAY, G. L. New plans progressing for industry on Island in planting, production; ten million dollar agricultural company to manufacture and may eventually grow its own leaf tobacco in Puerto Rico. Tobacco (New York) 121(26): 12, 36. Dec. 27, 1945. 286.89 T552
- 13782 IZQUIERDO, L. A. Outstanding trade facts of Island (Puerto Rico) leaf-cigar manufacturing industry. Tobacco (New York) 121(26): 10, 16-17. Dec. 27, 1945. 286.89 T552
- 13783 MARKLAND, L. K. Louisiana perique. Pt. I. New Orleans Port Rec. 4(4): 11-13, 27. (To be cont.) Dec. 1945. 286.8 M472
- 13784 MARKWOOD, L. N., and ARRINGTON, L. G. Nicotine and nicotine sulfate (synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drugs and Pharm., v. 3, No. 39, 3 p. Washington, 1945. 157.54 In232  
Economic aspects of the industry.
- 13785 QUINONES, J. R. Historic cigar story of Puerto Rico and its effect on the present leaf. Tobacco (New York) 121(26): 14. Dec. 27, 1945. 286.89 T552
- 13786 SHARPE, B. Flue-cured involves 13 months work a year; a new crop is being started while the sales of the old crop are still going on. Tobacco Leaf 81(4219): 43, 95. Dec. 29, 1945. 286.89 T557
- 13787 TUGWELL, R. G. Cigar upturn to aid Puerto Rico in eventual recovery of industry. Tobacco (New York) 121(26): 9. Dec. 27, 1945. 286.89 T552  
Need for stabilization of the tobacco industry.
- 13788 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FOODSTUFFS UNIT. New flue-cured tobacco zone in Brazil. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 8, 3 p. Washington, 1945. 157.54 In235  
Digested from report by J. L. Dougherty.

#### MISCELLANEOUS PRODUCTS

- 13789 BARBER, L. A., and WASSERMAN, B. R. Bel-ladonna leaves and roots. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drugs and Pharm. v. 3, No. 53, 4 p. Washington, 1945. 157.54 In232  
Utilization, prices, and storage.



## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

## GENERAL

- 13790 BOONE, P. Rapid increase of air shipping [of flowers] seen within next few years. Florists' Exch. 105(24): 25. Dec. 15, 1945. 80 F666
- 13791 BURGESS, A. H. Hop drying. Worcester-shire Agr. Chron. 13: 119, 121, 123, 125, 127. May 1945. 10 W892
- 13792 COPLEY, G. H. Commercial prospects for herbs...There certainly is a market. Smallholder 74(1865): 10. Dec. 14, 1945. 10 Sml
- 13793 FOELSCH, H. W. High performance synthetic resin coatings. Fruit Prod. J. and Amer. Food Mfr. 25: 136-139. Jan. 1946. 389.8 F94
- 13794 FULLERTON, F. H. Natural gas economical fuel in Medicine Hat [Alberta] greenhouse. Canad. Florist 40: 457. Dec. 20, 1945. 80 C163  
Discussion of the greenhouse producing industry.
- 13795 KAYE, R. L., and RONZONE, S. E. Acid extraction - ion exchange recovery of cinchona alkaloids; process and plant development. Project Was 530, 8 June 1945. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4665, 177 p. processed. Washington, 1945. 157.8 R29
- 13796 LEMON, J. F. Strictly business; an inquiry into the present status of techniques and practices in the florist industry. Florists' Exch. 105 (24): 21, 34, 82-83, 94-95. Dec. 15, 1945. 80 F666
- 13797 LOGINOVA, L. G. Adaptatsiia drozhzhef [Adaptation in the yeast]. Mikrobiologiya 14: 310-319. 1945. 448.3 M582  
English summary.
- 13798 MARCILLA ARRAZOLA, J. Fabricación de levaduras con destino a la alimentación en la post-guerra. Agricultura [Madrid] 14: 500-503. Oct. 1945. 15 Ag84
- 13799 MARKWOOD, L. N., and ARRINGTON, L. G. Pyrethrum (synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drugs and Pharm., v. 3, No. 42, 5 p. Washington, 1945. 157.54 In232  
Statistics of the industry.
- 13800 MARKWOOD, L. N., and ARRINGTON, L. G. Rotenone (synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drugs and Pharm., v. 3, No. 48, 6 p. Washington, 1945. Ref. 157.54 In232  
Survey of the industry.
- 13801 OMLAND, O. Norway's war-time canning industry. Food Manufacture 21(1): 13-14. Jan. 1946. 389.8 F736  
Canned fish.
- 13802 PRATT, D. B., JR. Lecithin increases the effect of shortening in bread. Food Indus. 18(1): 84-87, 228. Jan. 1946. 389.8 F737
- 13803 ROWLAND, B. W. The use of guar in paper manufacture. World's Paper Trade Rev. 124: 1472, 1474, 1476, 1499-1500, 1515-1516, 1521-1522. Dec. 21, 28, 1945. 302.8 W89
- 13804 SÁNCHEZ S., J. J. Plantas caseras y remedios idem. Agr. Costarricense 3: 403-404. Oct. 1945. 8 Ag895  
Description and utilization of the wild tobacco tree and the guava.
- 13805 SILVER, R. E. How to retard rancidity in salt-cured fish. Food Indus. 17: 1454-1456, 1596, 1598, 1600. Dec. 1945. 389.8 F737
- 13806 TSITSIN, N. Wild plants put to work in Russia. Food in Canada 5(11): 18. Nov. 1945. 389.8 F7323  
Utilization.
- 13807 WILMOT, R. J. Packing plants for shipment. For Sale, Want and Exch. B. 5(6): 1. Dec. 15, 1945. 280.38 F74

13808 ARGENTINA. DEPARTAMENTO DE HACIENDA. Memoria, 1944. v. 1, 223 p. Buenos Aires, 1945. 284.9 Ar3

Chapter III reports on Government crop purchases and credit to farmers.

13809 BANCO DO BRASIL, S. A. Relatório de 1944, 225 p. Rio de Janeiro, 1945. 284.9 B2262

Includes agricultural credit and statistics of foreign trade.

13810 FLORES POVEDA, A. Problemas agrarios. Sementera (ser. 2), No. 3, p. 4-11. Sept. 1945. 9.5 Ss5

Problems of communications, land tenure, labor, and credit in Ecuador.

13811 GUINS, G. C. Russia and the United States in the world economy. Amer. J. Econ. and Sociol. 5: 141-158. Jan. 1946. 280.8 Am393

A comparison of natural resources, agriculture, industrial progress and economic conditions in Russia and the United States.

13812 LONIGAN, E. Self-help for Puerto Rico; what is needed in that distressed Island. Commonwealth 43: 302-305. Jan. 4, 1946. 280.8 C735

Economic conditions.

13813 MASLENNIKOV, V. Problemy ekonomicheskogo razvitiia Kitaiia [Problems in the economic development of China]. Mirov. Khoz. i Mirov. Polit., No. 7, p. 43-54. July 1945. 280.8 M57

13814 PEARSON, S. V. The future of Palestine. Amer. J. Econ. and Sociol. 5: 203-209. Jan. 1946. 280.8 Am393

Includes agriculture, land rents, and taxation.

13815 SHEPARD, C. Y. New Hebrides. Trop. Agr. [Trinidad] 22: 216-221. Dec. 1945. 26 T754

Includes land tenure, agriculture, and foreign trade.

13816 VAGTBORG, H. Industry needs farm products. Mo. Ruralist 86(23): 5. Dec. 8, 1945. 6 R8891

13817 WALL, P. F. Sterner days ahead for agriculture; cheap labour and rule-of-thumb methods waste full and harmful; mechanisation and skill for better farming. Farmer's Weekly [Bloemfontein] 70: 872-873. Dec. 12, 1945. 24 F225

13818 WEST VIRGINIA. LEGISLATURE. West Virginia Blue Book, v. 29, 1945. 959 p. Charleston, 1945. 252.95 L52

Includes agriculture and agricultural organizations.

13819 WILLIAMSON, A. R. The town that discovered agriculture. Country Gent. 116(1): 16-17, 54-55. Jan. 1946. 6 C833

## AGRICULTURAL FINANCE

13820 ADAIR, W. Farming and Bretton Woods; dangers lurk in U. S. A. loan terms. Farming News and North Brit. Agr. 97(51): 3. Dec. 14, 1945. 10 N82

13821 ANDERSON, A. T. Bank deposits of farmers in three Illinois counties, mid-1945. Ill. Farm Econ., No. 126, p. 305-307. Nov. 1945. 275.28 IL5

13822 COX, R. W. Financial structure of Minnesota agriculture. Minn. U. Agr. Ext. Farm Business Notes, No. 276, p. 2-3. Dec. 27, 1945. 275.29 M563

13823 MAUCH, A. Interest rates and land prices. Mich. Farm Econ., No. 36, p. 2, Dec. 1945. 275.29 M58A

## Credit

13824 ARZE LOUREIRO, E. Crédito bancario para los campesinos [Bolivia]. Economista 13(150): 29-34. Nov./Dec. 1945. 280.8 Ec793

**13825** BANCO DE LA REPÚBLICA ORIENTAL DEL URUGUAY. Memoria y balance general, 1944, 159 p. Montevideo, 1945. 284.9 B2299

Includes rural credit operations of the Bank.

**13826** BANCO HIPOTECARIO DE EL SALVADOR. Memoria, 10th, 1944/45, 65 p. San Salvador, 1945. 284.29 B2272

Rural credit operations included.

**13827** BURROUGHS, R. J. Credit available for farm housing. Agr. Situation 30(1): 16-18. Jan. 1946. 1 Ec7Ag

**13828** CENTRO DE ESTUDIOS PEDAGÓGICOS DE PANAMÁ. Las cajas de crédito rural. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(50): 50-52. Oct. 1945. 8 R3291

**13829** LIPMAN, E. V. Long-term and short-term credits. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. (1945) 76: 19-23. 81 Am35C

**13830** NEW SOUTH WALES. STATISTICIAN. Statistical register, 1943/44, pt. III. Finance and local government, p. 119-157. Sydney, 1945. 271.1 St2S  
Contains statistics for the Rural Bank of New South Wales and for mortgages on real estate and agricultural products.

**13831** PEÑARANDA YÁÑEZ, R. El debate sobre crédito agrario. Rev. Nac. de Agr. [Bogotá] 39(492): 15-21. Sept./Oct. 1945. 9.4 R32

**13832** T., S. L. Dinero, dinero y más dinero para el productor rural [Venezuela]; se necesitan créditos pero también precios ampliamente remuneradores. Rev. Pecuaria, No. 84, p. 24. Sept. 1945. 49 R326

**13833** TOUMA VÁSQUEZ, C. A. Acción del Banco de Fomento en el desenvolvimiento agrícola de la Provincia del Tugurahua. Sementera (ser. 2), No. 3, p. 37-40. Sept. 1945. 9.5 Se5

Agricultural credit in Ecuador.

**13834** TRUJILLO MEDINA, R. L. Banco Agrícola e Hipotecario de la República Dominicana. Pan Amer. Union. Bol. 80: 14-18. Jan. 1946. 150.9 M76B

Address upon the inauguration of the institution.

**13835** ZAVALA OYAGUE, C. El derecho agrario y el Banco Agrícola en el Perú. Economista 13(150): 85-90. Nov./Dec. 1945. 280.8 Ec793

#### Income

**13836** COLLISON, C. F. Northwest farm income; another \$2 billion in 1945. Com. West 91(2): 35, 77. Jan. 12, 1946. 286.3 C733

**13837** CUNNINGHAM, W. A. Wartime changes in rural income in New South Wales. Rural Bank N. S. Wales. Farm Front 3: 168-172, processed. Nov. 1945. 281.9 R883

**13838** EGGERS, E. V. Income in California. Cent. Valley Proj. Studies. Population Com. Statis. Memo., No. 7, 122 p., processed. Berkeley, Calif., 1944. 280.9 C33

Mimeographing and distribution by the Bureau of Agricultural Economics, Berkeley.

**13839** LOUI, D. Green County [Wisconsin] ranks high in folklore, color and farm income. Prairie Farmer, Gen. Ed. 117(26): 5. Dec. 22, 1945. 6 P883

**13840** WAITE, W. C. Minnesota farm income. Minn. U. Agr. Ext. Farm Business Notes, No. 276, p. 1-2. Dec. 27, 1945. 275.29 M663

#### Insurance

**13841** BENEDICT, M. R. A retirement system for farmers. Natl. Planning Assoc. Pam. 49, 43 p. Washington, 1946. 280.9 N2153

A statement on old-age, survivors', and disability insurance for farm people by the NPA Agriculture Committee on National Policy, p. iii-viii.

**13842** DUNCAN, O. D. Social security for farmers and farm workers. Cur. Farm Econ. [Okla. Sta.] 18: 146-154. Dec. 1945. 100 Ok4

**13843** FERRAGUT, C. Posibilidades del establecimiento de un servicio de seguros sobre las cosechas, patrocinado por el Estado [Cuba]. Economista 13(150): 44-48. Nov./Dec. 1945. 280.8 Ec793

**13844** JONES, Z. L. Do farmers need life insurance? Ohio Farm Bur. News 25(6): 16. Jan. 1946. 6 Oh34

**13845** LOPEZ-ARANDA, A. E. Los seguros sociales en la agricultura. Agricultura [Madrid] 14: 517-520. Oct. 1945. 15 Ag84

#### Taxation

**13846** BAKER, R. H. Filing tax return simpler. Ohio Farmer 197(1): 12-13. Jan. 5, 1946. 6 Oh3

**13847** BIANCHI, S. J. El impuesto a las ganancias y los rurales. Diario Rural 5(534): 12. Nov. 28, 1945. 9.9 D54

**13848** FINCH, F. M. Depreciation and what it means to the farmer on his income tax. Prod. Consum. 11(6): 9, 12. Jan. 1946. 280.28 P942

**13849** GALUSHA, H. D., JR. Your income tax. Mont. Wool Grower 20(1): 21, 52. Jan. 1946. 45.8 M762

In reference to ranchers.

**13850** NEWTON, W. More light on taxes; gives explanation of the Revenue Code; Newton reviews position of farmer cooperatives. Coop. Consum. 12(23): 5. (Cont.) Dec. 18, 1945. 280.28 C7836

#### AGRICULTURAL LABOR AND WAGES

**13851** ALLEN, W. H. The farm labor situation. N. J. Farm and Gard. 16(12): 6. Dec. 1945. 6 G162

**13852** BELEN'KIY, I. Moshchniy ryuchag pod'ema kolhoznoy zhivotnovodstva. Kolhoz. Proizvod. 5(6): 10-12. June 1945. 281.8 K83

Supplementary payment plan on the collective farms increases production in the animal industry.

**13853** BOGACHEV, I. Vospitanie kadrov. Kolhoz. Proizvod. 5(6): 8-10. June 1945. 281.8 K83  
Training of farm workers on the collective farm Dostizhenie in the Vologda region.

**13854** BOND, W. M. Our labor problems. Va. Fruit 34: 40-44. Jan. 1946. 81 V81B

Work of the State Farm Labor Advisory Committee.

**13855** DAVISON, W. The vital labour problems on Canadian farms. Farmer's Advocate 80: 948. Dec. 27, 1945. 7 F22

**13856** DOLOTOV, I. K voprosu organizatsii truda v polevodstve. Sovkhoz. Proizvod. 5(6): 8-13. June 1945. 20 So85

Organization of labor in field work.

**13857** FELLOWS, I. F. More production with less labor in Vermont. Agr. Situation 30(1): 22-23. Jan. 1946. 1 Ec7Ag

**13858** GRAHAM, J. Potato picking by child labor. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 44-45. 75.9 Oh3

**13859** JULL, M. A. Labor saving ideas in doing poultry chores. South. Planter 107(1): 19. Jan. 1946. 6 So89

**13860** KAISER, W. F. Farm labor. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 40-42. 75.9 Oh3

**13861** KANTYSHEV, I. Opyt zven'evoi organizatsii truda [Experiment in the organization of work by "zven'ia"]. Sovkhoz. Proizvod. 5(6): 14-15. June 1945. 20 So85

**13862** LEIMBACH, H. Experiences in placing farm labor. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 45-48. 75.9 Oh3

**13863** LOCKHEART, A. L. Boy scout labor. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 42-44. 75.9 Oh3



13864 LOZA, G. Organizatsiya truda na polevykh rabotakh [Organization of labor in field work]. Kolkhoz. Proizvod. 5(6): 20-23; (7): 25-27. June-July 1945. 281.8 K83

Contents: Pt. 4. Uborka zernovykh [Harvesting of grain]; Pt. 5. Uborka tekhnicheskikh kul'tur i korneklubneplodov [Harvesting of technical crops and vegetables].

13865 MOSER, R. E. Labor shortage back to normal. Mass. State Col. Ext. Farm Econ. Facts, Jan. 1, 1946, p. 1. 5. 275.29 M381Fa

13866 RASMUSSEN, A. O. Arbejdsydelsen ved jordbearbejdning. Tidskr. for Landøkonomi, No. 5, p. 213-225. May 1945. 11 T43

Time and motion study.

13867 RUJENNIK, H. Soldier workers. Ohio Veg. and Potato Growers Assoc. Proc. (1944) 29: 39. 75.9 Oh3

Farm labor.

13868 STEIL, E. J. 1945 farm labor report. Ill. Veg. Growers. B. 5(3, 1. e. 4): 16-18. Dec. 1945. 80 1169

13869 TAMAROVSKIĬ, P. O dopolnitel'noi oplate i dopolnitel'nykh trudovykh resursakh. Kolkhoz. Proizvod. 5(6): 4-6. June 1945. 281.8 K83

Supplementary payment and work management on the collective farm "Krasnyi boets" in the Krasnodar region.

13870 TEAGUE, C. C. Agricultural labor - 1946. California 35(12): 12, 28. Dec. 1945. 280.8 C12

Similar title in Calif. Citrog. 31: 76. Jan. 1946. 80 C125

13871 U. S. DEPT. OF STATE. Temporary migration of Costa Rican agricultural workers; agreement between the United States of America and Costa Rica approving memorandum agreement signed May 20, 1944; effected by exchange of notes signed at San José May 29, 1944. U. S. Dept. State. Exec. Agreement Ser. 451, 16 p. Washington, 1945. (P. 2428) 150 Ex3

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

13872 A., W. Long-range policy for farming; new [British] Government's bold program. Farming News and North Brit. Agr. 97(48): 2. Nov. 23, 1945. 10 N82

13873 ÅBERG, E. Krigsårens växtodlingsproblem i Förenta Staterna. Lantmannen 29: 1099-1101. Dec. 1945. 11 L234

Agricultural production in the United States during the war.

13874 AGARWALA, S. N. A critique of the Gandhian Plan. Indian J. Econ. 26: 262-270. Oct. 1945. 280.8 In22

The agricultural program is discussed, p. 265-267.

13875 ANASTASIA, P. Mejor producción. Uruguay Min. de Ganad. y Agr. B. Inform. 2: 447. Nov. 29, 1945. 9.9 G15B

Problems of agricultural production.

13876 ANDERSON, C. P. [Economic] equality for agriculture. (Excerpts.) Ext. Serv. Rev. 16: 177. Dec. 1945. 1 Ex892Ex

13877 AYLESWORTH, P. F. 1946 agricultural goals. Agr. Situation 30(1): 2-5. Jan. 1946. 1 Ec7Ag

13878 BÄGENHOLM, G. Schweiziska problem. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellan- sverige och Gästrikland 15(44): 1, 10. Nov. 3, 1945. 11 J762

Agricultural problems in Switzerland.

13879 BABCOCK, H. E. Our limitless market for food. Country Gent. 116(1): 11, 52-53. Jan. 1946. 6 C833

Advocates a national food policy to encourage capacity agricultural production.

13880 BADÍA, V. En las postrimerías del otoño: frutas, flores y otros productos de la tierra. Agr. Levantino 11(132): 7-8. Nov. 1945. 15 Ag85

Crop situation in Spain.

13881 BENDZ, G. Förenta Staternas jordbruksproduktion 1945/46. Agricultural production in the United States, 1945/46. Lantmannen 29: 1023-1024. Nov. 17, 1945. 11 L234

13882 BRITISH COLUMBIA FEDERATION OF AGRICULTURE. Resolutions passed and pressed by the B. C. Federation of Agriculture. Country Life [Vernon] 29, 1. e. 30(11, 1. e. 1): 3, 23, 26-27. Jan. 1946. 7 C832

13883 BROWN, A. G. The 1946 business of farming. Banking 38(7): 57, 117-118. Jan. 1946. 284.8 Am3

13884 BULCOCK, F. W. A choice for producers. Food Front 3(1): 1. Dec. 1945. 281.8 F73

Agricultural policy for Australia.

13885 CÂMARA, L. Reflexos da guerra na economia catarinense. Brazil. Min. do Trab., Indús. e Com. B. 11(132): 129-136. Aug. 1945. 255.3 B737A

Includes the effect of the war upon agriculture.

13886 CARNES, N. K. Meat outlook improves for 1946. Com. West 91(2): 21-22. Jan. 12, 1946. 286.8 C733

Chiefly on the general agricultural situation and outlook.

13887 CINTRÓN PESANTE, E. El plan de siembras y sus efectos sobre la agricultura de Puerto Rico. Rev. de Agr., Indus. y Com. de Puerto Rico 36(1): 49-51. Jan./June 1945. 8 R325

13888 CRAM, J. S. Farmers' place in world economy. Family Herald and Weekly Star 76(48): 9, 17. Nov. 28, 1945. 7 F21

13889 CRANWORTH, LORD. Lord Cranworth sees in certain aspects of the Government's announced programme for agriculture "the cloven hoof of nationalisation." Farmers Weekly [London] 23(26): 21-22. Dec. 28, 1945. 10 F2226

13890 CRIST, R. E. Bolivia and Chile in the concert of the La Plata nations. Amer. J. Econ. and Sociol. 5: 131-134. Oct. 1945. 280.8 Am393

Includes discussion of agricultural conditions.

13891 DANIEL, A. Regional differences of productivity in European agriculture. Rev. Econ. Studies 12(31): 50-70. 1944/45. 280.8 R329

13892 DAVIS, C. C. Transition from war to peace. Fed. Reserve Bank St. Louis. Monthly Rev., Jan. 1, 1946, p. 1-4. 284.8 F31Sa

Includes agriculture.

13893 DJANG, T. K. Social policy in China. Internat'l. Labour Rev. 52: 465-478. Nov. 1945. 283.8 In8

Contains a section on agrarian policy.

13894 DOUKAS, K. A. Agrarian reform in Greece. Amer. J. Econ. and Sociol. 5: 79-92. Oct. 1945. 280.8 Am393

13895 DRIVER, D. B. C. may break more records. Family Herald and Weekly Star 77(1): 13. Jan. 2, 1946. 7 F21

Value of agricultural production.

13896 EASTERBROOK, L. F. How they did it. Indian Farming 6: 482-483. Oct. 1945. 22 In283

British wartime agricultural production.

13897 ENGLUND, E. The next twenty-five years in world agriculture with special reference to Canadian agriculture. Agr. Inst. Rev. 1(1): 6-8, 10-12, 14-16, 18. Sept. 1945. 7 Ag8

13898 ESTUDIO de las zonas productoras argentinas. Chacra 16(182): 6-8, 11, 15. Dec. 1945. 9 C34

13899 EVANS, O. R. Planning on Canada's farm front; the thirteenth conference between Dominion and Provincial agricultural officials agreed on our 1946 objectives for 50 farm crops. Family Herald and Weekly Star 76(51): 4-5, 6. Dec. 19, 1945. 7 F21

13900 FRANCO CADENA, S. O. Ejército y agrónomos para el agro. Sementera (ser. 2), No. 3, p. 49-50. Sept. 1945. 9.5 Se5

Need for cooperation between the army and the farmers in Ecuador to develop agriculture.



- 13901 FRIEDMANN, K. J. Danish agricultural production - World War I and World War II. Foreign Agr. 10(1): 7-11. Jan. 1946. 1.9 Ec7For
- 13902 H. Agricultural policy [Great Britain]. Scot. Farmer 53: 1247. Dec. 22, 1945. 10 Sco8
- 13903 HIDALGO DÍAZ, J. T. La agricultura tecnificada dirigida, base del progreso del país [Ecuador]. Sementera (ser. 2), No. 3, p. 62-63. Sept. 1945. 9.5 Se5
- 13904 HIGGS, C. A farmer's ruminations in Germany. Countryman 32: 264-269. Winter 1945. 281.28 C832
- Observations on agriculture in Germany and Great Britain.
- 13905 HIRSCH, J. Det nya Tysklands folkförsörjnings- och skadeståndsproblem. Kooperatören 32: 445-450. Oct. 15, 1945. 280.28 K832
- Includes discussion of food supply and agriculture in Germany.
- 13906 HOANG, H. Agricultural outlook in new China. Gt. Brit. and East 61(1753, Far East Issue): 51F-52F. Nov. 1945. 286.8 N27
- 13907 HUTSON, J. B. Agriculture looks to the future. [Address] Coastal Cattleman 11(11): 7-11. Jan. 1946. 43.8 C63
- 13908 ILLANES A., F. Perspectivas de vasto alcance económico se vinculan al camino Santiago-La Serena. Campesino [Santiago] 77: 675-676. Nov. 1945. 9.3 Sol2
- Text of a letter to the Sociedad Agrícola del Norte on the agriculture of Coquimbo Province and the advantages of the highway.
- 13909 INSTITUTE FOR THE STUDY OF GEORGIA PROBLEMS, UNIVERSITY OF GEORGIA. Survey of Athens and Clarke County Georgia. Part IV. Agriculture. Inst. for Study of Ga. Prob., U. Ga. Monog. 4, 57 p. Athens, 1945. 280.9 In762
- 13910 JENSEN, H. L. Planteavlén 1944. Tidsskr. for Landøkonomi, No. 9, p. 365-384. Sept. 1945. 11 T43
- Agricultural production in Denmark in 1944.
- 13911 JOHNSON, R. Banker [H. A. Leggett] sees bright future for agriculture in Arizona. Ariz. Farmer 24(24): 3, 25. Dec. 15, 1945. 6 Ar44
- 13912 JOHNSTONE-WALLACE, D. B. British agriculture in wartime. N. Y. Farmers. Proc. 1944/45: 410-425. 4 N48P
- 13913 KOCH, H. R., and OPOTOWSKY, S. Home-grown on Saipan. Ext. Serv. Rev. 16: 180-181. Dec. 1945. 1 Ex892Ex
- 13914 KRITZWISER, H. H. The West grows up. Canad. Business 19(1): 68-69, 72. Jan. 1946. 287 C162
- Trends in and outlook for agriculture in the Canadian West.
- 13915 LARSON, A. L., and others. The agricultural situation: outlook for 1946. Cur. Farm Econ. [Okla. Sta.] 18: 125-140. Dec. 1945. 100 Ok4
- Contents: General, by A. L. Larson; Farm real estate, by R. T. Klemme; Crops; Wheat, by A. L. Larson; Cotton, by J. D. Campbell; Feed crops, by P. Nelson; Livestock and livestock products; Beef cattle, by A. W. Jacob; Dairy, by R. T. Klemme; Poultry, by K. C. Davis; Hogs, by G. K. Terpenning.
- 13916 LIEBERG, G. Developments in agriculture since the first World War. Skand. Banken. Q. Rev., No. 4, p. 85-89. Oct. 1944. 284.9 Sk1
- 13917 LLOYD, E. W. The harvest - and after. Field 181: 300. Sept. 22, 1945. 10 F45
- British agricultural policy.
- 13918 MCCANNEL, D. A. Goals fixed for 1946 [Canadian] farm production. Farm and Ranch Rev. 42(1): 2, 14. Jan. 1946. 7 F223
- 13919 MCGOWAN, J. G. Presidential address [Canadian Society of Technical Agriculturists]. Agr. Inst. Rev. 1(1): 54-60. Sept. 1945. 7 Ag8
- Discussion of agriculture.
- 13920 MAHEUX, G. La situation agricole en Europe; la surproduction est-elle à craindre? Terre de Chez Nous 18(11): 12. Dec. 19, 1945. 7 T27
- 13921 MANN, D. Just a minute! Let's look back 12 months. Kans. Farmer 83(1): 5, 16. Jan. 5, 1946. 6 K13
- Kansas agriculture in 1945.
- 13922 MEDINA, G. Estado de Santa Catarina: impressões de viagem. Campo [Rio de Janeiro] 16(189): 20-24. Sept. 1945. 9.2 C15
- Description of agriculture.
- 13923 MORSE, T. D. Ten farm planks for 1946. Successful Farming 44(1): 20-21, 34-35. Jan. 1946. 6 Sul2
- 13924 NATIONAL FARMERS' UNION. The basis of economic security; policy report of the National Farmers' Union. (Sum.) N. F. U. Rec. 24: 50-60. Dec. 1945. 281.8 N21
- Policy for British agriculture.
- 13925 PARSONS, F. L. Crop records are broken again. Com. West 91(2): 19. Jan. 12, 1946. 286.8 C733
- Situation and outlook for the Northwestern States.
- 13926 PARSONS, M. S., and others. Regional production roundup. Agr. Situation 29(12): 8-23. Dec. 1945. 1 Ec7Ag
- Contents: Northeast, by M. S. Parsons. Appalachian, by R. J. Saville. Southeast, by J. C. Downing. Lake States, by F. T. Hady. Corn Belt, by G. T. Schaefer. South Central, by G. Townsend. Great Plains, by T. S. Thorfinnson. Southwest, by W. U. Fuhrman. Pacific Northwest, by H. H. Stippler.
- 13927 PASHKOVA, M. Tsinkhai [Taichai]. Mirov. Khoz. i Mirov. Polit., No. 7, p. 73-78. July 1945. 280.8 M67
- Describes natural resources and agriculture in a province of Western China.
- 13928 PLANNING for 356 million acres; acreage goals for various crops help farmers reconvert their farm production to peacetime needs. 1946 goals call for continued high production, with boosts for some crops, cuts for others. Consum. Guide 12(1): 3-5. Jan. 1946. 1.94 Ad422C
- 13929 POLI, A., and ENGSTRAND, W. M. Japanese agriculture on the Pacific Coast. J. Land and Pub. Util. Econ. 21: 352-364. Nov. 1945. 282.8 J82
- 13930 RAMAKRISHNAN, K. C. Agriculture in the Bombay Plan of economic development. Indian Co-op. Rev. 11: 91-99. Apr./June 1945. 280.28 In2
- 13931 RODDA, A. G. Farming in New Zealand; imports. New Zeal. J. Agr. 71: 499-501, 503, 505, 507-508. Nov. 15, 1945. 23 M48J
- Import requirements of New Zealand agriculture in livestock, stock feeds, seed, fertilizers and insecticides, machinery, and other items.
- 13932 SCHAUB, I. O. Look for more changes in South's agriculture. Victory Farm Forum, No. 21, p. 6-7. Jan. 1946. 281.8 F226
- 13933 SCOTT, W. K. Agricultural outlook for 1946. Carolina Co-op. 24(1): 12-13, 24. Jan. 1946. 724.8 N81
- 13934 SEVERSON, H. Blueprinting better communities. Banking 38(6): 52-53, 117-118. Dec. 1945. 284.8 Am3
- Program for the rehabilitation of agriculture in Putnam County, Tenn.
- 13935 LA SITUATION de l'agriculture française. Inform. Maroc. (n. s.) 14(292): 1; (293): 1. Dec. 15, 29, 1945. 281.8 In3
- 13936 SKOVGAARD, K. Landbruget i 1944. Tidsskr. for Landøkonomi, No. 1, p. 1-43. Jan. 1945. 11 T43
- Danish agriculture in 1944.
- 13937 SOCIEDAD YUCATECA "ANDRÉS QUINTANA ROO." Conclusiones a que llegó la Primera Conferencia de Mesa Redonda a que convocó la Sociedad Yucateca "Andrés Quintana Roo" para el estudio del problema agrario-ajidal-henequenero del Estado de Yucatán. Mex. Agr. 7: 249-306. Oct./Dec. 1945. 280.8 M57
- 13938 TINDALL, C. Let's see what happened in 1945! Mo. Ruralist 86(24): 6, 16. Dec. 22, 1945. 6 R8891
- Highlights of agriculture in Missouri.



13939 TOLLEFSON, V. E. Forest to farm, saga of north Wisconsin; cites opportunities in what has been called brushland agriculture. Wis. Agr. and Farmer 73(2): 36. Jan. 19, 1946. 6 W751

13940 WILLIAMS, T. Agricultural policy. Gt. Brit. Min. Agr. Agriculture 52: 385-388. Dec. 1945. 10 G79J

13941 WISER, R. B. The road ahead for America. California 35 (9): 25, 39-40. Sept. 1945. 280.8 C12

Includes the development of agriculture and of new markets.

#### Agriculture, Postwar

13942 ABBOTT, C. J. Agriculture in the post-war period. Certified Milk 20(236): 7-8, 14. Dec. 1945. 44.8 C33

13943 BJERKE, K. Landbrugsproblemer efter krigen [Postwar agricultural problems]. Tidsskr. for Landøkonomi, No. 3, p. 137-149; No. 5, p. 197-212. Mar., May 1945. 11 T43

13944 HUTCHESON, J. R. Post-war policies for agriculture. Va. Fruit 34: 82-89. Jan. 1946. 81 V81B

13945 MCALLISTER, G. Planeamiento de la post-guerra en la Gran Bretaña: planes agrícolas. Café de Nicaragua 1(11): 35-39. Oct. 1945. 68.28 C114

13946 PAINE, L. S. Geography and postwar agriculture in the South. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 165-173. 500 T31

13947 WOODRUM, C. A. Postwar agricultural policies. Va. Fruit 34: 89-94. Jan. 1946. 81 V81B

13948 YOUNG, E. C. The outlook for agriculture in the reconstruction period. Mortgage Bankers Assoc. Amer. Ybk. 1944: 36-40, 42-48. 284.9 M84

#### Subsidies

13949 COLLET, J. J. Food subsidies come to an end. West. Canner and Packer 38(1): 54, 56. Jan. 1946. 286.83 W522

13950 MACKEY, C. A. Coffee subsidy plan must succeed to avoid more burdensome controls. [Address] Tea & Coffee Trade J. 90(1): 18, 42, 44. Jan. 1946. 68.8 T22

#### FARM MANAGEMENT AND LAND ECONOMICS

13951 BAKER, H. Recent acts of Parliament: Commons, Open Spaces and Footpaths Preserv. Soc. J. 7: 271-293. Sept. 1945. 98.9 C73

Includes the Requisitioned Land and War Works Act, 1945 and the Forestry Act, 1945.

13952 BEAM, V. Benefits of test-demonstration in Clay County [N. C.]. Mountain Life & Work, fall 1945, p. 13-15. 281.28 M86

The demonstration farm program of the North Carolina Extension Service and the Tennessee Valley Authority.

13953 BEELER, M. N. What's your horsepower? Farmers learn to save precious time and human energy by applying management, gadgets and machines to every day tasks. Capper's Farmer 57(1): 12, 55. Jan. 1946. 6 M693

13954 BRAMLEY, P. POW on farming overseas. West Austral. Wheatgrower 15(21): 6. (Concl.) Sept. 19, 1945. 23 W523

Farming in Germany and England.

13955 BRUHN, A. T. If I were a young man. As told to B. B. Fowler. Country Gent. 116(1): 14, 64-65. Jan. 1946. 6 C833

Management of a dairy farm.

13956 BURCH, J. W. What balanced farming means. Mo. Ruralist 86(23): 24. Dec. 8, 1945. 6 R8891

13957 C., R. D. On a bench of the Assiniboine; John Wythe has an ideal livestock farming layout. Country Guide 65(1): 14. Jan. 1946. 7 G76

Management in Canada.

13958 C., R. D. Sunnycrest farm; the Grahams have made a real home of it. Country Guide 65(1): 18. Jan. 1946. 7 G76

Description of a Canadian farm.

13959 CHAPMAN, P. W. Better farm management key to higher income. Victory Farm Forum, No. 21, p. 14. Jan. 1946. 281.8 F226

13960 CHRISTENSEN, T. Jydske mønsterbrug. Tidsskr. for Landøkonomi, No. 9, p. 403-406. Sept. 1945. 11 T43

Description of three model farms in Jutland.

13961 "COMMUNAL settlements," here and elsewhere. By Nuntius. Palestine Tribune 1(40): 4-6. Nov. 1, 1945. 280.8 P172

The Palestine kibbutz and the Soviet kolkhoz.

13962 CROSBY, J. Ex-teacher good farmer. Calif. Cult. 93(1): 10. Jan. 5, 1946. 6 C12

Orchard management.

13963 EASTERBROOK, L. F. Great Britain's royal farmer. Saskatchewan Farmer 37(1): 1, 5. Jan. 2, 1946. 7 Sa74

Wartime production on the estates of King George VI.

13964 FISHER, M. W. Efficiency on the back concession. Canad. Poultry Rev. 69(12): 10, 12, 14-15. Dec. 1945. 47.8 C16

Efficiency in poultry raising.

13965 GOL'DSHTEYN, I. God pol'skogo vozrozhdeniia [A year of Polish regeneration]. Mirov. Khoz. i Mirov. Polit., No. 9, p. 35-50. Sept. 1945. 280.8 M67

Includes land reform.

13966 GRATTAN, C. H. The vine-covered factory worker. Harper's Mag. 192(1148): 67-71. Jan. 1946. 110 H

Subsistence farming.

13967 HADFIELD, W. V. Studies in farm management; a Pukekohe small holding. New Zeal. J. Agr. 71: 477-487. Nov. 15, 1945. 23 N48J

13968 HILL, E. B. The veteran who wants to farm. Mich. Potato Growers Exch. 26(3): 1, 3. Jan. 1946. 75.8 M58

13969 HJELM, L. Äldre jordreformer. Jordbruks-arnas Föreningsblad. Uppl. A: Mästra Mellansverige och Gästrikland 15(45): 3. Nov. 10, 1945. 11 J762

Agrarian reforms in Sweden.

13970 HJELM, L. Driftsanalys och budgetberäkningar inom jordbruket. Lantmannen 29: 1057-1058, 1068. Nov. 24, 1945. 11 L234

Management analysis and budgets as basis for farm planning.

13971 HUTCHINSON, J. Two hundred years of farming changes as reflected in the family history of seven generations of the Howards of Nocton Rise. Farmers Weekly [London], 24(2): 30-31. Jan. 11, 1946. 10 F2226

13972 HUYKE, E. E. Hablando con Don Enrique Schuck; una visita a la finca "Jurutungo." Rev. del Café 1(1): 14-15. June 1945. 8 R3295

Interview with the owner of a coffee plantation in Puerto Rico.

13973 HUYKE, E. E. Hablando con Miguel Angel Sastre [Oliver]; una visita a la hacienda "Gripinás." Rev. del Café 1(2): 17-18. July 1945. 8 R3295

Puerto Rico.

13974 HYNARD, F. C. More advice to returning soldiers [Great Britain]. Countryman 32: 220, 225. Winter 1945. 281.28 C832

Advice in farm management.

13975 KOTOV, G. Povyshenie intensivnosti kol'hoznoho zemledeliia [Rise in the intensiveness of collective farm agriculture]. Soetsialist. Sel'sk. Khoz. 16(7/8): 30-42. July/Aug. 1945. 281.8 So73

13976 KOVALENKO, A. Kolkhoz stroitsia zanovo. Kolkhoz. Proizvod. 5(6): 30. June 1945. 281.8 K83

Reconstruction of the collective farm "Chervone pole" in the Poltava region.

13977 LAMBERT, R. S. Canadian collective farm ing. Countryman 32: 208-209. Winter 1945. 281.28 C832

Cooperative farming.

13978 LULL, H. G. Mexico now engaged in experiment; Government aids efforts, but freedom not attained. Coop. Consum. 12(23): 2. Dec. 18, 1945. 280.26 C7836

On the Laguna experiment in Mexico.

13979 N., F. E. New blood for the land. Countryman 32: 211-212. Winter 1945. 281.28 C832  
The author's experiences in going into farming in England.

13980 NIBLER, C. W. How much milk from an acre of grass? Nebr. Farmer 88(2): 8. Jan. 19, 1946. 6 N27

13981 O'BRIEN, H. R. The family-size farm is here to stay. Mechanization is handing the job to father and the boys instead of promoting super farms. Country Gent. 116(1): 18, 49-50. Jan. 1946. 6 C833

13982 O'LOUGHLIN, F. Wollondale, on the Wollondilly; a purposeful visit to property owned by Minister for Lands. Country Life [Sydney] 57(22): 5. Nov. 30, 1945. 286.85 S2

Description of the estate.

13983 OSMOND, D. A. An index for use in the regional classification of land for agricultural purposes. Bristol U. Agr. and Hort. Res. Sta. Ann. Rpt. 1944: 219-224. 84 B77

13984 PATTON, J. G. The needs of vet farmers; proposals for the extension of greater assistance. Veterans Outlook 2(1): 20. Jan. 1946. 280.8 V64

13985 PHILLIPS, H. Starting with next to nothing: Horace Phillips explains how many have made good in smallholding. Smallholder 74(1866): 18. Dec. 21, 1945. 10 Sml

13986 PHILLIPS, H. When it comes to starting a smallholding Horace Phillips has a word of caution to offer about launching-out. Smallholder 74(1868): 12. Jan. 4, 1946. 10 Sml

13987 POE, E. A living from 19 acres. Ariz. Farmer 24(25): 8. Dec. 29, 1945. 6 Ar44  
Farm management.

13988 PRIORITY crops for early market. By "M.B.A." Farmer & Stock-Breeder 59: 1993. Dec. 11, 1945. 10 F228

Farm management on a British farm.

13989 RICHARDSON, T. C. Mental vision better than eyes. Farmer-Stockman 59(1): 42. Jan. 1946. 6 Ok45

Farm management.

13990 RICHARDSON, T. C. A new day in the old country. Farmer-Stockman 59(1): 12, 45. Jan. 1946. 6 Ok45

Farming in Laneville, Rusk County, Tex.

13991 ROCKIE, W. A. What of Alaska? Soil Conserv. 11: 147-153, 160. Jan. 1946. 1.6 So38  
Farms and farming in Alaska.

13992 ROWLAND, J. E. Balanced farming at the Sannings. Kraftsman, Prod. Ed. 3(6): 8-9. Nov./Dec. 1945. 44.8 K85

Description of Sannings farm in Miller County, Mo.

13993 RUDNI, L. El comercio de granos en la post-guerra; debe evitarse una legislación agraria improvisada y se debe fomentar la diversificación de los cultivos. Pampa Argentina 19(219): 1, 50. Nov. 1945. 9 P19

Discusses the results of monoculture and the need for crop diversification.

13994 SAMPER, A. Utilización de las tierras marginales. Agr. Trop. 1(10): 43-45. (To be cont.) Nov. 1945. 26 A68

Defines and illustrates the concepts of submarginal, marginal, and supramarginal lands.

13995 SCARSETH, G. D. Man and the soil. Ohio Farm Bur. News 25(6): 10-11. Jan. 1946. 6 Oh34  
The business of farming.

13996 STAATS, W. Help a returning veteran. Oreg. Grange B. 45(9): 4. Oct. 5, 1945. 6 Or3  
Farming opportunities for veterans.

13997 STEWART, J. G. The family farm is unique; outlay in mechanical equipment may be limited by size but the greater personal interest of family labour is immeasurable and whenever toil is reduced by machinery that saving of time and energy is more likely to go to the betterment of the farm. Farmer & Stock-Breeder 59: 2055. Dec. 18, 1945. 10 F228  
Great Britain.

13998 TASHCHEV, E. Kak upravliaet delami arteli predsedatel' M. Ovseenko. Kolkhoz. Proizvod. 5(7): 14-16. July 1945. 281.8 K83

Ovseenko's method of managing the collective farm "Progress" in the Sumskii region is responsible for its restoration to leadership.

13999 TRIS IS my farm; 2. Yorkshire/Lancashire-producer/retailer, by H. G. Sanders, E. R. Greenwood, and I. Moore; 3. Berkshire/Wiltshire/Hampshire-Downland corn farm, by H. G. Sanders and W. J. Simons. Gt. Brit. Min. Agr. Agriculture 52: 405-409. Dec. 1945. 10 G79J  
Farm management.

14000 TSVETOV, A. Kul'tura upravleniia; pis'mo iz kolkhoza imeni Stalina, Lukhoviiskogo raiona, Moskovskoi oblasti. Kolkhoz. Proizvod. 5(7): 17-19. July 1945. 281.8 K83

Generalov's method of managing the collective farm "Stalina" in the Moscow region.

14001 WALSTON, H. Champagne - but no rubber boots. Farmers Weekly [London] 24(2): 34. Jan. 11, 1946. 10 F2226

Description of a 450-acre farm in France which has twice been a battlefield.

14002 WATT, L. C. A friendly letter to G. I. Joe. New England 118(23): 8. Dec. 8, 1945. 6 N442

Advice to veterans who plan to buy a farm.

14003 WEBB, G. Thank you farm. Banking 38(7): 53-55. Jan. 1946. 284.8 Am3

Tells about farm given to war veteran Atkins by his neighbors in Spartanburg County, S. C.

14004 WHEN the domestic retires - 2. By "The Fenman." Poultry 97: 377. Dec. 11, 1945. 47.8 P869

Advice on starting a farm after retirement.

14005 WILSON, M. L. Free advisory services; varied types of agricultural assistance are available. Veterans Outlook 2(1): 21. Jan. 1946. 280.8 V64

14006 WINTERS, S. R. What a difference a dairy makes. South. Agr. 76(1): 22-23. Jan. 1946. 6 So83

Management of dairy farm in Calhoun County, Ala.

#### Bookkeeping and Records

14007 ARANDA, J. M. La contabilidad en la agricultura. Rev. del Café 1(2): 40. July 1945. 8 R3295

14008 BOOKHOUT, B. R., and HAIST, A. H. The 1944 farm business report; a summary of 1,031 Michigan farm records. Mich. Agr. Expt. Sta. Q. B. 28: 131-144. Nov. 1945. 100 M53S  
Income, expenses, and investments.

14009 L., A. B. Crop records at a glance. Farmer & Stock-Breeder 59: 2037. Dec. 18, 1945. 10 F228

#### Cost of Production

14010 ADAIR, W., and STODART, J. A. Costs and returns in cropping; 400-acre holding pays \$18,000 of taxes, 1939-44. Farming News and North Brit. Agr. 97(48): 3; (49): 3. Nov. 23, 30, 1945. 10 N82  
First two of a series of articles.

Second article has title: Studies from Cropping Costs: Potatoes, Sugar Beet, and Dung Production.

14011 BORDARAMPE, O. H. Observaciones sobre el método para establecer el costo de la producción algodenera. Argentina. Sec. de Indus. y Com. B. 1(9/10): 303-309. June/July 1945. 280.9 Ar3



14012 BRIDGES, W. W. How to make your hens pay. Prod. Consum. 2(5): 6. Dec. 1945. 280.28 P942  
Costs of feeding and egg production.

14013 BURDICK, R. T. Possibilities of profit from winter feeding; big meat demand important factor. Colo. Farm B. [Colo. Sta.], 7(5): 10-11. Sept./Oct. 1945. 100 C71S

14014 COOK, B. M. Cost of reseeding in Warwickshire. Gt. Brit. Min. Agr. Agriculture 52: 398-400. Dec. 1945. 10 G79J

Analysis of costs for 31 fields.

14015 COTTON in two world wars. Pt. II. Farm prices and incomes. Fed. Reserve Bank Richmond. Monthly Rev. Financ. and Business Cond., Nov. 30, 1945, p. 2-11. 284.8 F31R

Costs and returns.

14016 MIEGE, E. Le prix de revient de la culture du blé [France]. Inform. Maroc. (n. s.) 14 (292): 2. Dec. 15, 1945. 281.8 In3

14017 SINGH, L., and SINGH, A. Cost of production of crops on a canal-irrigated estate in the Punjab 1935-36 to 1939-40. Punjab. Bd. Econ. Inq. P. 83, 58 p. Lahore, 1944. 281.9 In2

14018 VALENCIA M., M. El costo de producción del cultivo del café y sus intimidaciones [Colombia]. Agr. Trop. 1(10): 46-48; (11): 36-38. Nov.-Dec. 1945. 26 Ag8

14019 ZETTERBERG, O., and OLSSON, H. Jordbrukarnas kontanta inkomster och utgifter år 1943. Sweden. Kommerskol. Jordbruksekonom. Uppgifter 7(5): 1-7. May 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v 32, No. 5.) 257.3 K832K

Farm costs and returns in Sweden in 1943.

#### Farms - Number and Size

14020 BONANZA farms - size was their weakness; the tale of "factory" wheat production is one of pioneering, land booms, railroad failures, and mass farming 50 years premature. Feedstuffs 17(51): 30-35. Dec. 22, 1945. 286.81 F322

14021 HJELM, L. En ny jordreform? Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellanverige och Gästrikland 15(46): 3. Nov. 17, 1945. 11 J762

Size of farm properties.

#### Land Settlement and Colonization

14022 CORREA, L. H. Como deben ser las parcelaciones. Agr. Trop. 1(11): 30-31. (To be cont.) Dec. 15, 1945. 26 Ag8

Various aspects of land subdivision in Colombia.

14023 ENGEDOW, R. A. New blood; an "interim report" from Essex where many of the first Government farm trainees are getting on terms with the land - and liking it. Farmers Weekly [London], 23 (24): 35. Dec. 14, 1945. 10 F2226

14024 LEE, A. T. M. Farms and homes from surplus military lands. J. Land and Pub. Util. Econ. 21: 331-338. Nov. 1945. 282.8 J82

14025 OLLEA, D. E. No debe perderse tiempo en facilitar la entrada de inmigrantes llamados por agricultores radicados en el país. Cac. Algodonera 22(260): 1-2. Sept. 30, 1945. 72.8 G11  
Argentina.

#### Land Tenure

14026 ANTÓN BELLVER, E. Revisión, reducción y condonación de rentas [Spain]. Agr. Levantino 11 (131): 5-6. Oct. 1945. 15 Ag85

14027 BIFFEN, W. Suppose you are the ingoing tenant. Smallholder 74(1866): 19. Dec. 21, 1945. 10 Sml

Payments which have to be made by an incoming tenant to the outgoing one for work already done on the holding.

14028 DÍAZ GALINDO, F. M. Los arrendamientos en la agricultura [Colombia]. Agr. Trop. 1(11): 55-56. Dec. 15, 1945. 26 Ag8

14029 GARCÍA, L. R. Notes on land tenure in Colombia. Rural Sociol. 10: 416-418. Dec. 1945. 281.28 R88

14030 HAUGEN, O. I. Fjellbeiter i Opland. Tidsskr. for det Norske Landbr. 52: 172-188, 210-228. Sept./Oct.-Nov. 1945. 11 T433

Ownership and utilization of mountain pastures in eastern Norway.

14031 HOOPER, O. Aspectos de la vida social rural de Panamá. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(50): 56-64. Oct. 1945. 8 R3291

Chiefly on land tenure and the milpa system of cultivation.

14032 JIMENEZ, J. S. Las inversiones agrícolas. Economista 13(150): 111-112. Nov./Dec. 1945. 280.8 Ec793

Need for tenure guarantees for Mexican farmers.

14033 KOVAL'EV, E. Vliyanie voyny na agrarnye otnosheniya v Kitae. Mirov. Khoz. i Mirov. Polit., No. 9, p. 64-73. Sept. 1945. 280.8 M67

The effect of the war on land tenure in China.

14034 KUTISH, F. Choosing a farm lease. Your Farm 4(3): 1-6. Jan. 1946. 6 Y8

14035 MCMILLAN, R. T., and MASON, M. Social background and farm ownership. Rural Sociol. 10: 414-416. Dec. 1945. 281.28 R88

14036 NODLAND, T. R. Tenant's and landlord's investment under a livestock share lease. Minn. U. Agr. Ext. Farm Business Notes, No. 276, p. 3. Dec. 27, 1945. 275.29 M663

14037 ROBERTS, H. W. Effects of farm ownership on rural family life. Social Forces 24: 185-194. Dec. 1945. 280.8 J823

#### Land Utilization

14038 BOCHKOV, N. O ratsional'noy organizatsii i pravil'nom ispol'zovanii zemel'nykh ugodii v zernovykh sovkhozakh fida. Sovkhoz. Proizvod. 5(6): 1-7. June 1945. 20 S65

Planned utilization of land in the grain state farms of the South.

14039 MANSON, T. B. Land utilisation and its implications. Scot. Farmer 53: 1210. (Cont.) Dec. 8, 1945. 10 Sco8

14040 MARTIN, J. W. Land usage in western N. S. W. and Queensland. Past. Rev. 55: 843. (Concl.) Nov. 16, 1945. 23 Au75

Outlines a land program.

14041 MEADOWS, P. Some sociological aspects of land-use policy. Social Forces 24: 231-236. Dec. 1945. 280.8 J823

14042 SAMPER, A. Utilización de las tierras marginales [in Colombia]. Agr. Trop. 1(11): 33-35. Dec. 15, 1945. 26 Ag8

#### Land Values and Valuation

14043 BILLINGTON, R. A. The origin of the land speculator as a frontier type. Agr. Hist. 19: 204-212. Oct. 1945. 30.98 Ag8

14044 GRIMES, C. W. What is a farm? Ranchman 5(8): 18, 38. Dec. 1945. 49 R15

Land values.

14045 HOLMAN, R. L. Farm depression? Commonwealth 43: 305-306. Jan. 4, 1946. 280.8 C735

Land values and farm mortgages.

14046 LIVINGSTON, D. Will farm prices deflate? farm situation after World War I not to be repeated; farm building anticipated. Wood Construct. 32(1): 7. Jan. 1, 1946. (Madison Sub-branch Libr.)

14047 PORTER, J. W., and ENGELKING, R. Land market activity in North Dakota third quarter, 1945. N. Dak. Agr. Expt. Sta. Bimo. B. 8(2): 26-29. Nov./Dec. 1945. 100 N813B

14048 STONEROD, F. B. Everybody wants a ranch. West. Livestock J. 24(6): 120-121. Dec. 15, 1945. 6 F2278

14049 STROHM, J. This soldier's dream turns out to be a nightmare. Prairie Farmer, Gen. Ed. 118(1): 1, 18. Jan. 5, 1946. 6 P883

Farm purchase.

- 14050 WRIGHT, K. T. The farm land market in Michigan. Mich. Farm Econ., No. 36, p. 1. Dec. 1945. 275.29 M58A

## POPULATION

- 14051 ARCA PARRÓ, A. El medio geográfico y la población del Perú. Inst. Peruano de Estadís. Estadís. Peruana 1(3): 7-36. (Concl.) Nov. 1945. 255.8 L62  
Includes the rural population and characteristics of agriculture in the various regions.
- 14052 ARMAS, J. C. DE. Fuga y ausencia de tradición agraria; crisis de dueño. Rev. Pecuaria, No. 84, p. 9. Sept. 1945. 49 R326  
On the rural exodus in Venezuela.
- 14053 COGHAN, E. A., and CORREA ÁVILA, C. La Agrícola Argentina, país de población urbana. Rev. de Econ. Argentina 44: 480-483. Oct. 1945. 280.8 R325
- 14054 GRAY, W. T. Population movements in the Kentucky mountains. Rural Sociol. 10: 380-386. Dec. 1945. 281.28 R88
- 14055 KOLEHMAINEN, J. I. Finnish overseas emigration from Arctic Norway and Russia. Agr. Hist. 19: 224-232. Oct. 1945. 30.98 Ag8
- 14056 LATIN AMERICAN ECONOMIC INSTITUTE. Post-war population and migration problems in South America. Latin Amer. Econ. Inst. Pam. Ser. 11, 13 p. New York, 1945. 282.2 L34
- 14057 MORSE, T. D. Baby boom. Nations Agr., Kans. Ed. 20(11): 8, 11. Dec. 1945. 280.82 B89A  
Effect of population increase on agriculture.
- 14058 RIVIERE, C. M. Desocupación en un país con escasa densidad de población y que está todo por hacerse. Diario Rural 5(530): 16. Nov. 14, 1945. 9.9 D54  
The exodus to the cities in Uruguay causing urban unemployment and a shortage of labor in the country.
- 14059 SMITH, T. L. Notes on population and rural social organization in El Salvador. Rural Sociol. 10: 359-379. Dec. 1945. 281.28 R88
- 14060 WHITNEY, V. H. Notes on the reliability of atlases for estimating the populations of unincorporated places. Rural Sociol. 10: 387-393. Dec. 1945. 281.28 R88

## RURAL SOCIAL ORGANIZATION

- 14061 BYRNE, L. The social side of rural life. So. Austral. Dept. Agr. J. 49: 143-144. Oct. 1945. 23 So84
- 14062 URBAIN, J. V. The human values in rural life. Amer. J. Econ. and Sociol. 5: 200. Jan. 1946. 280.8 Am393

## Human Ecology

- 14063 ALEXANDER, F. D. Constructive measures for southern rural communities. Social Forces 24: 181-185. Dec. 1945. 280.8 J823
- 14064 COLSTON, R. Ag leaders can "Carry the Ball" on community development; co-ops and vo-ags have a responsibility in the rural planning program. Better Farming Methods 18(1): 17, 21. Jan. 1946. 58.8 B46
- 14065 RAGHAVA AIYANGAR, S. S. Village system in the Madras Presidency. 2. Madras J. Co-op. 37: 119-128. (To be cont.) Oct. 1945. 280.28 M26
- 14066 SRINIVASA, S. Village system in the Madras Presidency. Madras J. Co-op. 37: 167-173. (Cont.) Nov. 1945. 280.28 M26  
Village government.
- 14067 THADEN, J. F. Finnish farmers in Michigan. Mich. Agr. Expt. Sta. Q. B. 28: 90-96. Nov. 1945. 100 M58S  
A description of the communities.

- 14068 VIRGINIA. UNIVERSITY. EXTENSION DIVISION. Taking stock of the community. Va. U. Ext. Div. P. New Dominion Ser. 76, 8 p. Charlottesville, 1945. 280.9 V814

## Institutions

- 14069 AILLÓN TAMAYO, C. La Escuela Nacional de Agricultura "Luis A. Martínez" de Quillan. Semertera (ser. 2), No. 3, p. 57-61. Sept. 1945. 9.5 Se5
- 14070 ALLRED, C. F. Instruction in agricultural cooperation and marketing at state agricultural colleges. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 192, 34 p., processed. Knoxville, 1945. 173.2 W89C6
- 14071 APPLEWHITE, C. C. Thinking ahead in public health. Nebr. State Bd. Agr. Ann. Rpt. 1945: 321-328. 2 M27R
- 14072 BEELER, M. N. Shop training service. Capper's Farmer 57(1): 20. Jan. 1946. 6 M693  
Shop training in vocational agriculture.
- 14073 BRAZELTON, J. S. We have too many schools. Kans. Farmer 83(2): 15. Jan. 19, 1946. 6 K13  
On the need for reorganization of the rural school districts in Kansas.
- 14074 BURKE, S. V. Hawaii's healthiest. Island plantations go all-out to provide the best of medical care for their workers. Hawaii Farm and Home 8(12): 10-11, 61. Dec. 1945. 25 H3191
- 14075 CALLAGHAN, A. R. Agricultural education in South Australia, with particular reference to Roseworthy Agricultural College. So. Austral. Dept. Agr. J. 49: 112-113, 115-121. Oct. 1945. 23 So84
- 14076 CALLAHAN, J. Rural high school attendance discussed by State superintendent. Wis. Agr. and Farmer 73(1): 6. Jan. 5, 1946. 6 W751
- 14077 CASE, J. F. Thirty acres for God. Mo. Ruralist 86(24): 13. Dec. 22, 1945. 6 R8891  
Minnesota Valley church in Holt County, Mo.
- 14078 CHESNUTT, S. L. A plan of organizing instruction [in vocational agriculture]. Agr. Ed. Mag. 18: 128-129. Jan. 1946. 275.8 Ag8
- 14079 CLARK, L. M. Rural-school charter day. Natl. Ed. Assoc. W. S. J. 34: 203. Dec. 1945. 275.9 N21J
- 14080 CLEVINGER, H. The teaching techniques of the Farmers' Alliance: an experiment in adult education. J. South. Hist. 11: 504-518. Nov. 1945. 134.8 J82
- 14081 CONOVER, J. C. Report of the meeting of the International Association of Fairs and Expositions. Nebr. State Bd. Agr. Ann. Rpt. 1945: 134-156. 2 N27R
- 14082 COUPER, G. P. The Giacomini family; a California rural institution. Amer. Farm Youth 11 (8): 23-25. Jan. 1946. 6 Am393  
Farming successes and achievements in vocational agriculture by members of the Giacomini family in Humboldt County, Calif.
- 14083 CREECH, B. F. Reconversion in Extension. Ext. Serv. Rev. 16: 182. Dec. 1945. 1 Ex892Ex
- 14084 DODSON, G. M. Encourage better schooling. New England Homestead 118(23): 30. Dec. 8, 1945. 6 N442  
For farm children.
- 14085 DOWNS, W. A rural workshop for teachers. Mountain Life & Work, fall 1945, p. 23-24. 281.28 M86
- 14086 DUPUY, M. P. Opportunity School of Berea College, Ky., comes of age. Mountain Life & Work, fall 1945, p. 10-12, 24. 281.28 M86  
Adult education.
- 14087 DUTCHER, R. A. Interrogation of research workers at Agricultural High School (Landwirtschaftliche Hochschule) at Hohenheim (near Stuttgart). U. S. Dent. Com. Off. Pub. Bd. Rpt. 1247, 3 p., processed. Washington, 1945. 157.8 R29



14088 EASTERREROOK, L. R. Buenos agricultores y buenos ciudadanos; planes para la educación de la juventud rural. Res 13: 18261. Nov. 5, 1945.

286.85 R31

Plans for rural education in Great Britain.

14089 EKSTROM, G. F. Non-high-school youth. Agr. Ed. Mag. 18: 135. Jan. 1946. 275.8 Ag8

Role of teachers of vocational agriculture in a program to keep farm boys and girls in school.

14090 FAUQUET, P. E. The post-war job of the agricultural fair. Nebr. State Bd. Agr. Ann. Rpt. 1945: 126-131. 2 N27R

14091 FERGUSSON, S. F. The rural service of the county library. Worcestershire Agr. Chron. 13: 191. 193. Aug. 1945. 10 W892

14092 FITZSIMMONS, C., and PERKINS, N. L. The homemaking plans of 50 farm homemakers. Rural Sociol. 10: 403-413. Dec. 1945. 281.28 R88

14093 FROLIK, E. F. Educational activities [of the Nebraska Crop Improvement Association]. Nebr. State Bd. Agr. Ann. Rpt. 1945: 239-240. 2 N27R

14094 FROST, R. E. Youth in fair work. Nebr. State Bd. Agr. Ann. Rpt. 1945: 112-123. 2 N27R

14095 GARDAIX, P. Les allocations familiales agricoles dans les Hautes-Pyrénées. B. Agr. des Hautes-Pyrénées 49: 30. Apr./June 1945. 14 B875

14096 GREEN, R. M. You need to know. Capper's Farmer 57(1): 11, 43. Jan. 1946. 6 M693

Value of a good education for farmers.

14097 GUARD, E. S. Equal opportunity for rural children. Ky. Farmer's Home J. 81(12): 12. Dec. 1945. 6 F2237

Financial support for rural schools.

14098 HAMILTON, E. H. A night school in farm shop at a Technical Institute. Agr. Ed. Mag. 18: 131. Jan. 1946. 275.8 Ag8

The New York State Technical Institute at Morrisville, N. Y.

14099 HAMLIN, H. M. Latest report on the vo-ag teacher shortage; returning veterans will help fill the ranks. Better Farming Methods 18(1): 13. Jan. 1946. 58.8 B46

14100 HAMLIN, H. M. Safeguards in the use of advisory councils [in agricultural education]. Agr. Ed. Mag. 18: 124-125. Jan. 1946. 275.8 Ag8

14101 HARDING, T. S. Prepaid group medical care. Amer. J. Econ. and Sociol. 5: 65-78. Oct. 1945. 280.8 Am393

Includes rural health.

14102 HARDING, T. S. Unto the least of these. 3 p., processed. Washington, D. C.? 1945. 448 B21U

Reprint from Christian Century, Oct. 31, 1945.

Medical care in rural communities of New Mexico.

14103 HARTNELL, M. The soil and its place in education. New Zeal. Farmer Weekly 66(18): 10-12. Nov. 1, 1945. 23 N484

Show how an Auckland high school fits agriculture into its curriculum.

14104 HEILESEN, M. Etableringsfond til hjælp for landboudgøddommen. Tidsskr. for Landøkonomi, No. 4, p. 182-186. Apr. 1945. 11 T43

On the creation of a fund to aid young farmers in Denmark.

14105 HJERTHOLM, P. Fremtidigt samarbejde mellem de forskellige former for landøkonomisk ungdomsarbejde. Tidsskr. for Landøkonomi, No. 2, p. 97-102. Feb. 1945. 11 T43

Training Danish rural youth for farming.

14106 HOGAN, M. Rural women attack health problem. South. Planter 107(1): 26-27. Jan. 1946. 6 S89

14107 HOHNADL, V. What is the job of the assistant county agent? Better Farming Methods 18(1): 37, 52. Jan. 1946. 58.8 B46

14108 HOLMES, G. A. Agricultural education and advisory work in Britain. New Zeal. J. Agr. 71: 449-450. Nov. 15, 1945. 23 N48J

14109 HUGHES, C. A. Agricultural Extension Service program for growers 1946. Ill. Veg. Growers R. 5(3, 1. s. 4): 13-15. Dec. 1945. 80 I169

14110 HUMPHERYS, L. R. Training program for returning veterans. Agr. Ed. Mag. 18: 130, 131. Jan. 1946. 275.8 Ag8

Vocational agriculture.

14111 JAGGERS, R. E. Rural education must serve children, parents, the community. Capper's Farmer 57(1): 13, 24. Jan. 1946. 6 M693

14112 JORDÁN, I. Consideraciones generales: proyecto para la formación y programa de estudios de una escuela de agricultura. Agr. del Norte 29: 137-140, 169-173. (Concl.) June-July 1945. 9.3 Sol4 Chile.

14113 LINDSTROM, D. E. Postwar needs and proposals for extension in rural sociology. Rural Sociol. 10: 419-423. Dec. 1945. 281.28 R88

14114 MACDONALD, G. Malaria control for rural populations in Africa. United Empire 36: 211-214. Nov./Dec. 1945. 501 L844U

Discussion, p. 214-215.

14115 MCGUIRE, K. Here is the blueprint for a successful farmers evening school; suggestions how vo-ag can direct a program that will be useful to farmers. Better Farming Methods 18(1): 16, 31. Jan. 1946. 58.8 B46

14116 MCKINNEY, F. Kansas farm women learn about business transactions. Kans. Farmer 83(1): 10-11. Jan. 5, 1946. 6 K13

14117 MACKINNEY, G. The agricultural library of the Landwirtschaftliche Hochschule at Bonn. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1255, 10 p., processed. Washington, 1945. 157.8 R29

14118 MANN, D. Do you want better service for rural health? Kans. Farmer 83(2): 6-7. Jan. 19, 1946. 6 K13

14119 MARSHALL, C. G. International Association of Fairs and Expositions. Nebr. State Bd. Agr. Ann. Rpt. 1945: 131-134. 2 N27R

14120 MARTIN, W. H. Opportunity record for veterans. Agr. Ed. Mag. 18: 133. Jan. 1946. 275.8 Ag8

Services extended by vocational agriculture departments to veterans interested in farming.

14121 MILLER, P. E. Better teamwork is needed between industry and educational workers. (Sum.) Feed Bag 21(12): 39-40, 99-100. Dec. 1945. 389.78 F32

Role of county agents in acquainting the farmers with the results of research.

14122 MILLIKOVSKY, J. La escuela rural como factor social; un ejemplo en la labor que desarrollan las escuelas mexicanas. Pampa Argentina 19(218): 1, 3, 30. Oct. 1945. 9 P19

14123 MYERS, W. I. Wartime adjustments in the College of Agriculture at Cornell. N. Y. Farmers. Proc. 1944/45: 369-381. 4 N48F

Discussion, p. 381-385.

14124 NATAL AGRICULTURAL UNION. Importance of agriculture in the curriculum; N. A. U. drafts a memorandum on vocational education. Farmer-Pietermaritzburg 34(46): 10, 11. (Cont.) Nov. 16, 1945. 24 F227

14125 NEWARK, C. Let's make use of our public health service. Iowa Farm Econ. 11(11): 13-15. Nov. 1945. 275.28 I92

Need for cooperation in rural communities.

14126 NUESTRA granja agrícola es objeto de cálidos elogios. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(50): 37-38. Oct. 1945. 8 R3291

Gives the text of a letter from Wilson Popenoe, with title: Escuela Agrícola Panamericana.

14127 OLSEN, H. M. Landbrugets Brevskole. Tidsskr. for Landøkonomi, No. 10, p. 464-466. Oct. 1945. 11 T43

Education in vocational agriculture through correspondence in Denmark.



- 14128 PAUL, W. R. Kentucky's educational products. *Mountain Life & Work*, fall 1945, p. 16-17, 24. 281.28 M86
- 14129 POLLAN, A. A. Good health to Middle America; [United Fruit] Company aids in tropical health problems. *Pan Amer.* 6(8): 20-21. (To be cont.) Jan. 1946. 280.8 P192
- 14130 POPE, V. A. Juniors play their part. *Family Herald and Weekly Star* 76(52): 7. Dec. 26, 1945. 7 F21  
Canadian youth activities.
- 14131 PRICE, W. Desperate peasants. *Asia and Americas* 46(1): 14-17. Jan. 1946. 286.8 Am31  
The condition of the Japanese farmers.
- 14132 RIGGIN, I. C. A public health program in Virginia. *Va. U. News Let.*, v. 22, No. 7, 1 p. Jan. 1, 1946. 280.9 V2815
- 14133 SINCLAIR, R. D. A program to co-ordinate agricultural education and extension in Canada. *J. Agr. Inst. Rev.* 1(1): 33-36, 38-40. Sept. 1945. 7 Ag8
- 14134 SKINNER, H. Farm-shop activities of a teacher of vocational agriculture. (Excerpts.) *Agr. Ed. Mag.* 18: 132-133. Jan. 1946. 275.8 Ag8
- 14135 SMITH, J. Better medical care for farmers. *Nations Agr.*, Kans. Ed. 20(11): 9-10. Dec. 1945. 280.82 B89  
Hospitalization through membership in the Blue Cross Plan.
- 14136 SNIDER, C. F. Rural local government; county and township government in 1944. *Amer. Polit. Sci. Rev.* 39: 1107-1118. Dec. 1945. 280.9 Am33
- 14137 STRUCKMAN, R. P. The Holland settlement rural church in Gallatin County, Mont., is large and healthy. *Mont. Farmer* 33(7, i. e. 8): 1. Dec. 15, 1945. 6 M764
- 14138 TISDALE, C. R. An economics option at the O. A. C. *O. A. C. Rev.* 58: 75-76. Nov. 1945. 276.8 On8  
Ontario Agricultural College.
- 14139 TOFT, N. E. Ny form for ungdomsskole. *Skolegaarden "Fjordvang" ved Ringkøbing. Tidsskr. for Landøkonomi*, No. 3, p. 150-154. Mar. 1945. 11 T43  
Education of rural youth in Denmark.
- 14140 WALL, G. M. Extension program of Nova Scotia Dept. of Agriculture expands. *Family Herald and Weekly Star* 77(1): 13. Jan. 2, 1946. 7 F21
- 14141 YEPEZ T., D. La enseñanza vocacional agrícola [Colombia]. *Agr. Trop.* 1(11): 56-57. Dec. 15, 1945. 26 Ag8
- 14142 ZIEGENHAGEN, E. Greener pastures. (Address.) *Agr. Ed. Mag.* 18: 126-127. Jan. 1946. 275.8 Ag8  
Teacher training for vocational agriculture.
- Rural Organizations and Movements
- 14143 BEERNINK, H. J. Self-help; the system of farm cooperatives. *Washcoegg* 23(8): 4. Jan. 1945. 47.8 W27
- 14144 BUCK, C. A. Wisconsin juniors lead the way to milk quality. *Kraftsman, Prod. Ed.* 3(6): 10. Nov./Dec. 1945. 44.8 K85  
Tells about the 4-H Club project in Green and Lafayette Counties, Wis.
- 14145 CHICANOT, E. L. Cooperatives expand in Canadian West. *Land and Home* 8: 114-116. Dec. 1945. 281.28 C28  
Includes farmers' cooperatives.
- 14146 COLÓN, R. L. El cooperativismo en Estados Unidos y en Puerto Rico. *Rev. del Café* 1(1): 11. June 1945. 8 R3295
- 14147 CONDE THILLET, M. L. El papel que desempeñaran los Futuros Agricultores de América en la post-guerra. *Rev. de Agr., Indus. y Com. de Puerto Rico* 36(1): 37. Jan./June 1945. 8 R325
- 14148 CURRAN, A. B. Boys' and girls' club work. *Canad. Countryman* 34(26): 4, 35. Dec. 22, 1945. 7 C833
- 14149 DUGGAN, I. W. Government and cooperatives. *News for Farmer Coops.* 12(10): 3, 19-20. Jan. 1946. 166.2 N47  
Legislation relating to farmer cooperatives.
- 14150 ERIKSSON, W. Framtidslinjer för kooperativ produktion i Finland. *Kooperatören* 32: 457-460. Oct. 15, 1945. 280.28 K832  
Chiefly on farm cooperatives in Finland.
- 14151 FRISBIE, L. I. Serving through leadership. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 370-371. 2 N27R  
4-H Club leaders of Nebraska.
- 14152 FROKER, R. K. Conflicts in cooperatives. *Coop. Digest* 6(7): 66-70. Jan. 1946. 280.28 C7896  
Includes farmers' cooperatives.
- 14153 HAYSTEAD, L. Why don't farmers organize? *Successful Farming* 44(1): 30, 42, 53. Jan. 1946. 6 Sul2
- 14154 HECKMAN, J. H. Fruit and vegetable co-ops take out depression insurance. *News for Farmer Coops.* 12(10): 16. Jan. 1946. 166.2 N47  
Improvement of capital position of cooperatives.
- 14155 HEDGES, H. The year in review. *News for Farmer Coops.* 12(10): 10-11. Jan. 1946. 166.2 N47  
Activities of cooperatives.
- 14156 HYLE, F. M. Servicing farmers' business needs. *News for Farmer Coops.* 12(10): 17. Jan. 1946. 166.2 N47  
Situation of service cooperatives.
- 14157 IZQUIERDO, L. A. Izquierdo favorece el cooperativismo; un discurso del Comisionado de Agricultura y Comercio de Puerto Rico. *Rev. del Café* 1(2): 25, 28. July 1945. 8 R3295
- 14158 KEEFER, A. C. Give the cooperator service. *Coop. Digest* 6(7): 52. (Condensed.) Jan. 1946. 280.28 C7896  
Farmers' cooperatives.
- 14159 KINDERMANN, E. H. Las sociedades agrícolas nacionales y su influencia en la agricultura de Chile. *Chile. U. Facul. de Cien. Jurid. y Sociales. Seminario de Cien. Econ. Ser. A-1*, 125 p. Santiago, 1944. 281.164 K57
- 14160 LOVE, J. R. What comes after amalgamation? *West. Farm Leader* 11: 5, 8. Jan. 4, 1946. 280.28 W52  
Amalgamation of the Alberta Federation of Agriculture, the United Farmers of Alberta, and the Alberta Farmers' Union.
- 14161 MAYORAL REINAT, A. Apreciación histórica del origen de los Clubes 4-H; su inyección en Puerto Rico desde el 1934. *Rev. de Agr., Indus. y Com. de Puerto Rico* 36(1): 33-36. Jan./June 1945. 8 R325
- 14162 MEXICO. COMISIÓN DE COORDINACIÓN ECONÓMICA. SECRETARÍA GENERAL. Los cooperativos agrícolas como factor del progreso de los campesinos de México. *Rev. de Agr., Indus. y Com. de Puerto Rico* 36(1): 19-22. Jan./June 1945. 8 R325
- 14163 NORTH DAKOTA. DEPT. OF AGRICULTURE AND LABOR. DIVISION OF COOPERATIVES. North Dakota cooperative statistics. *N. Dak. Dept. Agr. and Labor. Div. Coop. B.* 59, 17 p. Bismarck, 1945. 280.29 N813
- 14164 OLIVENCIA, P. Los precursores de los Clubes 4-H en Puerto Rico. *Rev. de Agr., Indus. y Com. de Puerto Rico* 36(1): 32. Jan./June 1945. 8 R325
- 14165 O'NEAL, E. A. Yes - we have a big membership! *Nation's Agr.* 20(11): 5. Dec. 1945. 280.82 B89  
Growth of the American Farm Bureau Federation.
- 14166 OOKA, H. [Pahoa] Future Farmers stage a fair. *Hawaii Farm and Home* 9(1): 25-26, 51, 56. Jan. 1946. 25 H3191  
The third annual victory farm show.
- 14167 ÖRJANGÅRD, S. Det svenska ungdomsarbete. Jordbrukare Ungdomens Förbunds-rörelsens mål och arbetametoder. *Tidsskr. for Landøkonomi*, No. 10, p. 435-446. Oct. 1945. 11 T43  
Objectives and achievements of the Farm Youth Association in Sweden.



- 14168 ORTIZ MENDEZ, J. La influencia del cooperativismo en el adelanto agrícola del país [Colombia]. Agr. Trop. 1(11): 39-41. Dec. 15, 1945. 26 Ag8
- 14169 PARKER, S. Sears-Roebuck Foundation aids 4-H boys. East Tex. 20(4): 6, 14. Jan. 1946. 6 Ea73
- 14170 FERREGAUX, E. A. Connecticut farmers cooperate. Conn. Circle 8(12): 46-49. Dec. 1945. 280.8 C7632
- 14171 RINNE, A. Rochdale pionjärernas idévärld och de produktkooperativa initiativen. Kooperatören 32: 421-425. Sept. 30, 1945. 280.28 K832  
Influence of the Rochdale cooperative on the organization and development of farm and consumer cooperatives.
- 14172 RIVIÈRE, C. M. Aleccionador. Diario Rural 5(522): 16. Oct. 17, 1945. 9.9 D54  
Need for political organization of Uruguayan farmers.
- 14173 ROBINSON, J. L. Carolinas look five years ahead. News for Farmer Coops. 12(10): 1, 21-22. Jan. 1946. 166.2 N47  
Five-year program of the Farmers Cooperative Exchange.
- 14174 RUSK, H. P. Rural youth work in Illinois. Nation's Agr. 20(11): 7, 10. Dec. 1945. 280.82 B89  
Programs of Rural Youth groups.
- 14175 SATHIANADHAN, MRS. K. Producers' societies. Madras J. Co-op. 37: 174-184. Nov. 1945. 280.28 M26  
Includes agricultural producers' societies and societies for cottage industries.
- 14176 SELBY, H. W. Farmers' cooperatives as competitors. Harvard Business Rev. 24: 215-227. Winter 1946. 280.8 H262
- 14177 SIMMONS, S. B. New Farmers [of America] can food for Europe. Agr. Ed. Mag. 18: 137. Jan. 1946. 275.8 Ag8
- 14178 SNELL, N. Agricultural clubs in West Suffolk. Gt. Brit. Min. Agr. Agriculture 52: 417-419. Dec. 1945. 10 G79J
- 14179 STALLONES, B. E. Definition of a cooperative. Mich. Potato Growers Exch. 26(3): 2. Jan. 1946. 75.8 M58
- 14180 TRIPLETT, J. F. Wheat acreage increased for '46; co-ops urged to strengthen organizations, and to keep informed on new legislation. Prod. Consum. 2(5): 7. Dec. 1945. 280.28 P942
- 14181 VILA CAMACHO, A. Círculos juveniles agrícolas. Rev. Nac. de Agr. [Bogotá] 39(492): 41, 44. Sept./Oct. 1945. 9.4 R32  
Club work with youth in Latin America based upon the 4-H Club work in the United States.
- 14182 VOORHIS, J. The constructive work of cooperatives. Mo. Farmer 37(18): 9. Dec. 15, 1945. 5 M596
- 14183 VOORHIS, J. The farmer and his future. Ohio Farm Bur. News 25(6): 8-9. Jan. 1946. 6 Oh34  
On farmers' cooperatives.
- 14184 WADHAMS, P. J. State council springs new ideas. News for Farmer Coops. 12(10): 8, 20-21. Jan. 1946. 166.2 N47  
Work of the Connecticut Council of Farmer Cooperatives.
- 14185 WANN, J. L. Should co-ops pay their debts now. Mich. Potato Growers Exch. 26(3): 3-4. Jan. 1946. 75.8 M58

## RURAL SOCIAL PSYCHOLOGY

- 14186 DVORACEK, D. C. Talking it over gives clearer understanding. Ext. Serv. Rev. 16: 189. Dec. 1945. 1 Ex892Ex  
Extension discussion meetings in Minnesota.
- 14187 ENGLE, T. L. Personality adjustments of children belonging to two minority groups. J. Ed. Psychol. 36: 543-560. Dec. 1945. 275.8 J823  
Comparison of a group of young Negro and a group of young Amish children with a group of non-Amish white children.

- 14188 GREEN, R. M. How farmers will fare. Mo. Ruralist 86(23): 5, 18. Dec. 8, 1945. 6 R8891  
Attitudes.
- 14189 HANBIDGE, W. D. Radio as the farmer's servant. O. A. C. Rev. 58: 74, 76. Nov. 1945. 276.8 Qn8  
Educational and entertainment value of the radio in Canadian agriculture.
- 14190 KNEE, A. W. Films and the farmer. Worcestershire Agr. Chron. 13: 195, 197, 199, 201. Aug. 1945. 10 W892
- 14191 LINCOLN, M. D. Agriculture's role in the national community. Vital Speeches 12: 212-215. Jan. 15, 1946. 280.8 V83
- 14192 RUSS, W. A., JR. Godkin looks at western agrarianism: a case study. Agr. Hist. 19: 233-242. Oct. 1945. 30.98 Ag8  
Farmers' attitudes.
- 14193 STAPLES, R. S. Group action necessary for success of Farm Radio Forum [Canada]. Butter-Fat 23(7): 3. Oct. 1945. 44.8 B98
- 14194 STOTT, L. H. Some environmental factors in relation to the personality adjustments of rural children. Rural Sociol. 10: 394-403. Dec. 1945. 281.28 R88

## TRADE, FOREIGN AND INTERNATIONAL

- 14195 BADÍA, V. Hacia la normalización de nuestro comercio exterior agrícola [Spain]. Agr. Levantino 11(131): 3-4. Oct. 1945. 15 Ag85
- 14196 BELANGER, M. Foreign trade of Brazil in 1944. Canada. Dept. Trade and Com. Com. Intel. J. 73: 625-628. Dec. 22, 1945. 286.8 C16
- 14197 BURROWS, L. F. Canada demands quality produce. Calif. Fruit and Veg. Rev. 6(9): 64, 123-124. Dec. 1945. 80 C1224  
Export of fruits and vegetables from the United States to Canada.
- 14198 CANAL, C. M. Restoration of normal coffee market would assure free flow of imports. [Address] Tea & Coffee Trade J. 90(1): 20, 44. Jan. 1946. 68.8 T22
- 14199 CASANOVA, J. M. Ante el país: la venta de las zafra. Labor 4(98): 8. Nov. 30, 1945. 8 L11  
Sale of the Cuban sugar crop in the United States.
- 14200 COSTA RICA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Anuario estadístico, 46th, 1942, 293 p. San José, 1945. 254 C82A
- 14201 COSTA RICA. DIRECCIÓN GENERAL DE ESTADÍSTICA. Importación por artículos; volumen, precio y procedencia (complemento al informe de 1944), 1944, 38 p. San José, 1945. 254 C82Imp
- 14202 CUMMING, A. R. Hobby into industry. Scot. Beekeeper 21: 142. Nov. 1945. 424.8 Sco8  
Suggests export market for heather honey in New York.
- 14203 DAN, B. On export policy. Palestine Tribune 1(40): 12-13. Nov. 1, 1945. 280.8 P172
- 14204 EGOROFF, P. P. Argentina's agricultural exports during World War II. Stanford U. Food Res. Inst. War-Peace Pams. 8, 52 p. Stanford University, 1945. 280.9 L532
- 14205 EZEKIEL, M. Farmers and international trade. (Sum.) Agr. Situation 30(1): 9-12. Jan. 1946. 1 Ec7Ag
- 14206 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. British East Africa; review of commercial conditions, 1945, 40 p. London, 1945. 270 G792Ea
- 14207 HENNING, E. G. Meat trade of the United States in 1944. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 14, 10 p. Washington, 1945. 157.54 In235  
Foreign trade in meat and meat products.
- 14208 HOARE, G. E. Effects of the war on Brazil's foreign trade. Brazil 19(12): 2-4. Dec. 1945. 280.8 B732

- 14209 HUBBELL, W. W. Foreign trade in beverages and beverage materials. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 11, 15 p. Washington, 1945. 157.54 In235
- 14210 ISAAKSON, Z. H. Renewal of citrus exports. Palestine Tribune 1(39): 14. Oct. 25, 1945. 280.8 P172
- 14211 KITCHEN, C. W. Fruits and vegetables: foreign-trade outlook. Foreign Com. Weekly 22(2): 3-5. Jan. 12, 1946. 157.54 F763
- 14212 LAMONTAGNE, Y. Economic notes on Switzerland. Canada. Dept. Trade and Com. Com. Intel. J. 74: 76-79. Jan. 26, 1946. 286.8 C16  
Includes agriculture and foreign trade.
- 14213 LUACES, E. L. Tasajo del Uruguay. Rev. Genad. Habana, 5(7/8): 23-24. July/Aug. 1945. 49 R321  
On the question of importing jerked beef from Uruguay into Cuba.
- 14214 LUTZ, E. R. The American Merchant Marine and foreign commerce. California 35(12): 15, 33-34. Dec. 1945. 280.8 C12  
California's potential export trade in food and other products.
- 14215 MARQUIS, J. C. FAO wants more meat & milk. Breeder's Gaz. 111(1): 14, 33, 34. Jan. 1946. 49 B74
- 14216 MELLO, J. C. Exportações de café para a Europa. São Paulo. Supt. dos Serv. do Café. B. 20: 670-673. June 1945. 68.29 Sa63
- 14217 NOYOLA, J. F. Problemas de comercio exterior, Mexico. Rev. de Econ. 8(12): 15-17. Dec. 15, 1945. 280.8 R3293  
First of a series.
- 14218 PALMER, M. B. Trade of the British West Indies. III-IV. Jamaica. Canada. Dept. Trade and Com. Com. Intel. J. 73: 637-646; 74: 14-18. Dec. 29, 1945, Jan. 5, 1946. 286.8 C16  
Agriculture and foreign trade.
- 14219 PEÑA C., A. Importación de cacao. Rev. Nac. de Agr. Bogotá 39(492): 54, 56. Sept./Oct. 1945. 9.4 R32
- 14220 RADCLIFFE, H. Wool is one of U. S. ten leading imports. Linens and Dom. 31(3): 44-45. Dec. 1945. 304.8 L642
- 14221 ROBERT, A. L. El tratado de carnes entre la Argentina y Gran Bretaña. Cír. Méd. Vet. de la Prov. de Buenos Aires. Rev. 8, 1. e. 9: 196-198, 200-203. July/Aug. 1945. 41.9 C49
- 14222 RUDNI, L. El comercio de granos en la post-guerra; no son favorables las perspectivas para la colocación de nuestros saldos exportables. Pampa Argentina 19(218): 12. Oct. 1945. 9 P19
- 14223 SMITH, G. Wool disposals. Westralian Farmers' News 7(320): 5. Dec. 6, 1945. 280.28 W523  
Australian wool exports.
- 14224 STARK, W. G. Peru's economy and foreign trade. I, III. Canada. Dept. Trade and Com. Com. Intel. J. 74: 25-33, 82-88. Jan. 12, 26, 1946. 286.8 C16  
Agriculture and foreign trade included.
- 14225 STEVENSON, W. Z. Foods to again flow in quantity through Montreal port; end of world hostilities to see many former products come from Asia, Africa, Europe. Canad. Grocer 60(1): 36, 38. Jan. 1, 1946. 286.83 C162
- 14226 THOMPSON, A. T., and ZAGLITZ, O. Prospects for future exports of Corn Belt farm products. Iowa Farm Econ. 11(11): 11-12, 16. Nov. 1945. 275.28 I92
- 14227 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FOODSTUFFS UNIT. Export and import trade of the United States in unmanufactured tobacco. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 12, 7 p. Washington, 1945. 157.54 In235
- 14228 VAN SICKLE, J. V. The stake of the cotton South in international trade. Carnegie Endowment for Internatl. Peace. Div. Econ. and Hist. Agr. Ser. 2, 29 p. Berkeley, 1945. 281.9 C21

- 14229 WILSON, L. H. Export outlook for fresh produce. Calif. Fruit and Veg. Rev. 6(9): 66, 123. Dec. 1945. 80 C1224
- 14230 ZAPATA VIDAURRE, F. Explicaciones generales sobre la estadística del comercio exterior del Perú. Inst. Peruano de Estadís. Estadís. Peruana 1(3): 77-83. Nov. 1945. 255.8 L62

## FOOD AND HUMAN NUTRITION

## GENERAL

- 14231 ANDERSON, L. Foods and teeth. Hygeia 24(1): 46, 48. Jan. 1946. 449.8 H993
- 14232 BEAL, V. A., BURKE, B. S., and STUART, H. C. Nutrition studies on children living at home. I. Calory intakes on the basis of age from one through ten years. Amer. J. Dis. Children 70: 214-219. Oct. 1945. 448.8 Am38
- 14233 BODEN, T. E. Food makes a difference; a nutrition program for employees. Amer. Cookery 51(5): 38-39, 53. Jan. 1946. (Beltsville Branch Libr.)  
Program of the Bell telephone system.
- 14234 BRITAIN profits from her wartime nutritional problems. Between-meal feeding in Britain's industries, offices and schools. Amer. Cookery 51(5): 26-27, 52-53. Jan. 1946. (Beltsville Branch Libr.)
- 14235 DAVIS, H. M. Starches are staple foods. Chemistry 19(4): 59-62. Dec. 1945. 381 J826A
- 14236 FLYNN, L. M., and HOGAN, A. G. Nutrients consumed by army students at the University of Missouri. Amer. Dietet. Assoc. J. 22(1): 8-14. Jan. 1946. Ref. 389.8 Am34
- 14237 GILLESPIE, C. O. Food to save your life and your car. J. Living 11(7): 25-28. Jan. 1946. 389.8 J822  
Relation of nutrition to eyesight, fatigue, etc.
- 14238 GOARANT, L. Notes sur une dégustation de tisanes de quelques espèces de tilleuls. Rev. Hort Paris 116: 114-115. June 16, 1944. 80 R32
- 14239 HANSEN, A. E. Appraisal of the nutritional status of children. New Orleans Med. and Surg. J. 98: 261-271. Dec. 1945. 448.8 N47
- 14240 HARRIS, F. L. Nutrition need not be grim. Nutr. News 9: 7-8. Dec. 1945. 389.8 N957
- 14241 HEISER, V. G., ORNBURN, I. M., and EBY, K. An evaluation of in-plant feeding; a symposium. Amer. Cookery 51(5): 22-23, 46-48. Jan. 1946. (Beltsville Branch Libr.)
- 14242 KEYS, A. Starvation studies reveal physical and mental changes. Nutr. News 9: 4. Dec. 1945. 389.8 N957
- 14243 KING, C. G. Nutrition Foundation's director says: America's diet is far from perfect. Northwest. Miller 225(1): 44, 46, 72. Jan. 1, 1946. 298.8 N81
- 14244 LANGILLE, F. D. Canada to have rural diet survey. Family Herald and Weekly Star 76(48): 35. Nov. 28, 1945. 7 F21
- 14245 LAUTZ, A. Signposts in human nutrition. Fla. Acad. Sci. Q. J. 8: 145-152. June 1945. 500 F66
- 14246 MAASS, E. Hunger: the great destroyer. J. Living 11(7): 59-62. Jan. 1946. 389.8 J822  
Famine, past and present.
- 14247 MCCAY, J. B. Good lunches at home and at business. The housewife and the business man - so mindful of the welfare of others, are so neglectful of themselves. Amer. Cookery 51(5): 28-29, 58. Jan. 1946. (Beltsville Branch Libr.)



14248 A MODEL in-plant feeding plan for good nutrition, good health and increased productivity. Amer. Cookery 51(5): 24-25, 51. Jan. 1946. (Beltsville Branch Libr.)

An account of the seven factory cafeterias of the Caterpillar Tractor Co. of Peoria, Illinois.

14249 MORRIS, M. M. Abundant foods for school lunches. Pract. Home Econ. 23: 618. Dec. 1945. 321.8 H752

14250 MORRIS, M. M. School lunch management. Coordination and cooperation provide efficiency and good nutrition. Amer. Cookery 51(5): 18-19, 44. Jan. 1946. (Beltsville Branch Libr.)

14251 MURPHY, C. R. Progress of the school lunch program. Amer. Cookery 51(5): 16-17, 49-50. Jan. 1946. (Beltsville Branch Libr.)

14252 NEUBERGER, A. The nutritional rôle of the amino acids. (Abs.) Chem. and Indus., No. 48, p. 381. Dec. 8, 1945. 382 M31C

14253 PYKE, M. Nutrition in Vienna in September, 1945. Brit. Med. J. 1945, 2(4432): 839-842. Dec. 15, 1945. 448.8 B77

Famine.

14254 SNOW, P. Utah's nutrition committees carry on. J. Home Econ. 37: 627-628. Dec. 1945. 321.8 J82

14255 SUÁREZ, R. M. Studies of the nutritional problem of Puerto Rico. II. Appraisal of vitamin deficiency based on physical and biomicroscopic examinations and X-ray studies of the long bones of a hospital population of 310 infants and children. Puerto Rico J. Pub. Health and Trop. Med. 21(1): 61-72. Sept. 1945. 448.8 P83

Same, in Spanish, p. 73-83.

14256 VIZERN and GUILLOT. Recherche de l'acide cyanhydrique dans les produits de confiserie. Ann. de Chim. Analyt. 24: 106. May 1942. 383 Am72  
HCN in bitter almonds, even after roasting.

14257 WOODS, R. Protein concentrates in nutritional emergencies. I. Hypoproteinemia. Borden's Rev. Nutr. Res., v. 6, No. 10, 7 p. Dec. 1945. Ref. 389.8. B64

14258 YOUNG, C. M. Dietary study of Cornell University women. Amer. Dietet. Assoc. J. 22(1): 25-28. Jan. 1946. 389.8 Am34

#### FOOD HABITS

14259 MASUOKA, J. Changing food habits of the Japanese in Hawaii. Amer. Sociol. Rev. 10: 759-765. Dec. 1945. 280.8 Am37

14260 WAY, J. I. Army food will influence soldiers' preferences, says Fitzpatrick. Food Field Rptr. 13(26): 44. Dec. 24, 1945. 286.83 F73

#### NUTRITIVE AND VITAMIN CONTENT

14261 RAYFIELD, E. G., and O'DONNELL, W. W. Observations on thiamin content of stored wheat. Food Res. 10: 485-488. Nov./Dec. 1945. 389.8 F7322

14262 BOALT, C., and ZOTTERMAN, Y. Den individuella konsumtionen av spannmålsprodukter. Sweden. Kommerkol. Jordbruksekonom. Uppgifter 7(5): 8-11. May 1945. (Bound with Sweden. Kommerkol. Kom. Meddel., v. 32, No. 5) 257.3 K832K

Consumption of cereal products in Sweden and their nutritive value.

14263 BOOTH, R. G., MORAN, T., and PRINGLE, W. J. S. The nutritive value of ready-to-eat breakfast cereals. Soc. Chem. Indus. J. Trans. and Commun. 64: 302-304. Nov. 1945. 382 M31

14264 CLIFFE, A. E. This question of foods. Milling and Feed 26(12): 9. Dec. 1945. 298.8 C162  
Nutritive values.

14265 CRAVIOTO, R. O., and others. Valor nutritivo de la tortilla. Pan. Amer. Union. B. de la Ofic. Sanit. 24: 783-786. Sept. 1945. 150.9 B872  
English summary.

R. K. Anderson, F. E. Lockhart, F. de P. Miranda, and R. S. Harris, joint authors.

14266 CRAVIOTO B., R. Contenido nutritivo de ciertos típicos alimentos mexicanos. Pan Amer. Union. B. de la Ofic. Sanit. 24: 685-695. Aug. 1945. 150.9 B872

English summary.

Vitamin and mineral content of vegetables and fruits.

E. E. Lockhart, F. de P. Miranda and R. S. Harris, joint authors.

14267 DUBOIS, C. W., and COLVIN, D. L. Loss of vitamin C in the storage of frozen peaches. Fruit Prod. J. and Amer. Food Mfr. 25: 101-103. Dec. 1945. 389.8 F94

14268 DUNKERLEY, M. L., and KRAMER, M. M. Ascorbic acid content of food served in a cooperative residence hall for women. Amer. Dietet. Assoc. J. 22(1): 15-19. Jan. 1946. 389.8 Am34

14269 EWING, P. L., and EMERSON, G. A. Some modifications of vitamin K bioassay. (Abs.) Tex. Acad. Sci. Proc. and Trans. (1944) 28: 91-92. 1945. 500 T31

14270 GABBY, J. L. La química de la multiple soya. Rev. Canad. [Havana] 5(7/8): 42-43. July/Aug. 1945. 49 R321

Vitamin content.

14271 GLEIM, E., and others. Effect of quantity preparation procedures on vitamin retention: canned tomatoes. Amer. Dietet. Assoc. J. 22(1): 29-31. Jan. 1946. 389.8 Am34

M. Albury, K. Vianey, J. R. McCartney, and F. Fenton, joint authors.

14272 GRAY, P. P., and others. Vitamin assays of yeast. Amer. Brewer 78(12): 76-79. Dec. 1945. 390.8 Am3

Report of sub-committee of American Society of Brewing Chemists.

J. F. Feaster, J. W. Fitzsimmons, H. Levine, D. Melnick, H. Rothschild, and L. T. Saletan, joint authors.

Also in Brewers Digest 20(12): 52-54. Dec. 1945. 390.8 B75

14273 GUILLEMET, R. Vers la mouture rationnelle du blé. Chim. & Indus. [Paris] 54: 244-248. Oct. 1945. 383 C42

Nutritive value in relation to milling.

14274 HARTLEY, A. W. Microbiological methods of analysis. Mfg. Chem. 16: 434-436. Dec. 1945. Ref. 396.8 M31

Vitamin assay.

14275 HILL, C. The post-war period may be no picnic, but there's no reason why you shouldn't enjoy it, provided you get the vitamins you need. Better Health 19: 35-36. Dec. 1945. 449.8 B46

14276 HOLMES, A. D., SPELMAN, A. F., and JONES, C. P. Ascorbic acid, carotene, chlorophyll, riboflavin, and water content of summer squashes. Food Res. 10: 489-496. Nov./Dec. 1945. 389.8 F7322

14277 HOWE, G. H. Calville Blanc apple rich in vitamin C. Farm Res. [N. Y. State Sta.] 12(1): 5. Jan. 1, 1946. 100 N48A

14278 JONES, J. I. M. The biological assay of vitamin D<sub>3</sub>. The effect of the calcium and phosphorus content of the diet. Biochem. J. 39: 324-328. 1945. Ref. 382 B52

14279 KEMMERER, A. R., and FRAPS, G. S. Constituents of crude carotene of carrots. Food Res. 10: 457-460. Nov./Dec. 1945. Ref. 389.8 F7322

14280 KIK, M. C., and WILLIAMS, R. R. The nutritional improvement of white rice. Natl. Res. Council. B. 112, 76 p. Washington, D. C., 1945. 330.9 N21

For the Committee on Cereals, Food and Nutrition Board.

## MISCELLANEOUS

## GENERAL

- 14281 LEE, F. A. Vitamin retention in blanched carrots; alcohol-insoluble solids as a reference base. *Indus. and Engin. Chem. Analyt. Ed.* 17: 719-720. Nov. 1945. 381 J825A
- 14282 LEGG, G. Make potatoes pep you up. *J. Living* 11(7): 43-46. Jan. 1946. 389.8 J822
- 14283 LUTHI, H. Zur frage des vitamin-C-gehaltes in fruchtsäften, insbesondere in süßmosten. *Schweiz. Z. f. Obst- u. Weinbau* 53: 379-388. Oct. 14, 1944. Ref. 80 Sch9
- 14284 LUTHER, H. G. Flour enrichment. *Assoc. Oper. Millers. B.*, Jan. 1943, p. 1486-1488. 298.9 As7
- 14285 MILLER, C. D., and LOUIS, L. The availability of the iron in Hawaiian-grown vegetables. *J. Nutr.* 30: 485-494. Dec. 10, 1945. Ref. 389.8 J82
- 14286 MORENO DE GRAZIANI, I. A. Composición mineral de la harina de trigo y su importancia en la alimentación. "Granos" Semilla Selecta 9: 35-36. Apr./June 1945. 9 G762
- 14287 NICOTINIC acid; a vitamin becomes an industry. *Chem. Indus.* 57: 1057. Dec. 1945. 381 C426
- 14288 PAVCEK, P. L. Yeast and nutrition targets in Germany. *U. S. Dent. Com. Off. Pub. Bd. Rot.* 1266, 4 p. Washington, 1945. 157.8 R29
- 14289 PINTO ALVAREZ, A., and MEDIN R., C. Valorización colorimétrica de proteínas en la leche. *Rev. Quim.-Farm.* 3(23): 6-7. Oct. 1945. 396.8 R32
- 14290 POLSKIN, L. J., KRAMER, B., and SOBEL, A. E. Secretion of vitamin D in milks of women fed fish liver oil. *J. Nutr.* 30: 451-466. Dec. 10, 1945. Ref. 389.8 J82
- 14291 PRATT, D. B., JR. Experiments with lecithin in bread. Part II. *Bakers' Helper* 84(1054): 64, 66, 99. Dec. 15, 1945. 389.8 B17
- 14292 RETZER, J. L., and others. Effect of steam and hot-water blanching on ascorbic acid content of snap beans and cauliflower. *Food Res.* 10: 518-524. Nov./Dec. 1945. Ref. 389.8 F7322
- F. O. Van Dwyne, J. T. Chase, and J. I. Simpson, joint authors.
- 14293 ROBINSON, W. B., STOTZ, E., and KERTESZ, Z. I. The effect of manufacturing methods on the ascorbic acid content and consistency characteristics of tomato juice. *J. Nutr.* 30: 435-442. Dec. 10, 1945. Ref. 389.8 J82
- 14294 RODALE, J. I. Sunflower seed - the miracle food. *Gard. Book Club*, No. 5, 39 p. Emmaus, Pa., Organic Gardening, 1945. 56.9 Or3
- 14295 SOMERS, G. F., HAMNER, K. C., and NELSON, W. L. Field illumination and commercial handling as factors in determining the ascorbic acid content of tomatoes received at the cannery. *J. Nutr.* 30: 425-433. Dec. 10, 1945. Ref. 389.8 J82
- 14296 TOSCANI, V. Magnesium content of meats. *Food Res.* 10: 461-468. Nov./Dec. 1945. Ref. 389.8 F7322
- 14297 URZÚA HERRERA, H. Fuentes naturales y artificiales de las principales vitaminas. *Rev. del Cafe* 1(7): 26-28. Dec. 1945. 8 R3295
- 14298 WAGNER, J. R., and others. Nutritive value of canned foods. VII. Effect of commercial canning and short-time storage on ascorbic acid content of grapefruit juice. *Food Res.* 10: 469-475. Nov./Dec. 1945. 389.8 F7322
- M. Ives, F. M. Strong, and C. A. Elvehjem, joint authors.
- 14299 WERENSKIOLD, B. Tabell over hagevekstenes næringsverdi. *Norsk Hagelskap. Minneliste for Hagedyrkare* 1943: 46-47. 86 N81
- Nutritive value of vegetables, fruits, and berries.
- 14300 ÅBERG, E. Jordbruket i USA väntas lämna hög avkastning; erfarenheter från Förenta Staternas växtodling [High yields expected from agriculture in the United States; experiences from plant cultivation]. *Lantmannen* 29: 1071-1073. Dec. 1, 1945. 11 L234
- Use of fertilizers, soil conservation, plant breeding, weed control, use of agricultural machinery.
- 14301 ADAMS, B. Are you a phenologist? *Cornell Plantations* 2(1): 11-13. Autumn 1945. 409.6 C812
- Relation of natural conditions and events to various farming activities.
- 14302 AILLÓN TAMAYO, C. La Escuela Nacional de Agricultura "Luis A. Martínez" de Quillán. *Semenera* 2(3): 57-61. Sept. 1945. 9.5 Se5
- 14303 ANDERSON, C. P. U. S. A. and the Food and Agriculture Organization. *United Nations Rev.* 5: 258-259. Nov. 15, 1945. 280.8 Un38
- 14304 ARRHENIUS, O. Skördar i södra Sverige [Crops in southern Sweden]. *Socker*, v. 1, No. 10, p. 231-243. Mar. 1945. 65.8 Sol
- Maps and discussion of crop yields, drainage, and irrigation.
- Discussion, p. 241-243.
- 14305 BAKER, P. J. N. Britain and the Food and Agriculture Organization. *United Nations Rev.* 5: 244-245. Nov. 15, 1945. 280.8 Un38
- 14306 BECKER, J. A. The United Nations Food and Agriculture Organization. *Foreign Agr.* 10(1): 2-6. Jan. 1946. 1.9 Ec7For
- 14307 BOLLES, B. Pillars of the United Nations; international economic and social agencies. *Foreign Policy Rpts.* 21: 246-255. Dec. 1, 1945. 280.9 F76R
- Food and Agriculture Organization, p. 249-250.
- 14308 BRITISH COLUMBIA. DEPT. OF AGRICULTURE. Annual report, 39th, 1944. 176 p. Victoria, 1944. 7 B77R
- 14309 CALVO, H. Instrucciones para la destrucción de las ratas y prevención contra ellas. *Agr. Costarricense* 3: 397-398. Oct. 1945. 8 Ag895
- 14310 CLARK, F. LE G. The story of FAO [Food and Agriculture Organization of the United Nations]. *Food Manufacture* 21(1): 25-27. (Concl.) Jan. 1946. 389.8 F736
- 14311 CONCANNON, C. C. Chemicals trends in 1946. *Dom. Com.* 34(1): 4-7. Jan. 1946. 157.54 D713
- Includes fertilizers, insecticides, paint, plastics, and rosin.
- 14312 DELAWARE. STATE BOARD OF AGRICULTURE. State Laboratory, fertilizer, feed and seed report, Jan.-June 1945. *Del. State Bd. Agr. Q. B.*, v. 35, No. 2, 76 p. Dover, 1945. 2 D37B
- 14313 EL DEPARTAMENTO administrativo de agricultura y ganadería [of Colombia]. *Rev. Nac. de Agr.* Bogotá, 39(492): 9-10, 70. Sept./Oct. 1945. 5.4 R32
- 14314 DONNELLY, P. M. Some rural problems of Missouri. *Mo. Farmer* 37(18): 4. Dec. 15, 1945. 6 M896
- Includes health, roads, and soil conservation.
- 14315 DUNK, M. R. Put "ag" agencies under one roof with county "ag" buildings; post-war agricultural centers will increase participation of farmers in farm programs. *Better Farming Methods* 18(1): 24-25, 34. Jan. 1946. 58.8 B46
- 14316 GOOCH, E. G. Farm workers' representative at Food Conference. *Land Worker* 26(319): 4, 5. (To be cont.) Dec. 1945. 283.8 L22
- On the Quebec conference of the Food and Agriculture Organization of the United Nations.



14317 GROFF, C. E. Producer interests prominent at Quebec world conference. *Batter-Fat* 23(8): 3. Nov. 1945. 44.8 D98

The Food and Agriculture Organization conference.

14318 HUTCHESON, T. B., DIETRICK, L. B., and YOUNG, H. N. Postwar needs for agriculture at V. P. I. *South. Planter* 107(1): 16-17. Jan. 1946. 6 So89

14319 ILLANES ABBOTT, F. Memoria que el Consejo Directivo de la Sociedad Agrícola del Norte presenta a la consideración de los asociados, correspondiente al periodo Junio 1944-Junio 1945. *Agr. del Norte* 29: 148-156. June 1945. 9.3 So14

14320 KLINCK, L. S. The objectives and accomplishments of the C. S. T. A. during the first twenty-five years of its history. *Agr. Inst. Rev.* 1(1): 61-70. Sept. 1945. 7 Ag8

14321 LANCUM, F. H. Wild animals and agriculture. 9. The water-vole and others. *Gt. Brit. Min. Agr. Agriculture* 52: 422-424. Dec. 1945. 10 G79J  
Rodents as pests.

14322 LAW, R. Food and agriculture. *Gt. Brit. Min. Agr. Agriculture* 52: 388-391. Dec. 1945. 10 G79J

Discusses the Quebec conference of the FAO.

14323 LEE, G. A. The general records of the United States Department of Agriculture in the National Archives. *Agr. Hist.* 19: 242-249. Oct. 1945. 30.98 Ag8

14324 LOUI, D. This is Grant County [Wis.]. *Prairie Farmer*, Gen. Ed. 118(1): 5. Jan. 5, 1946. 6 P883

Historical, descriptive sketch, including agriculture.

14325 MARCILLA, J. La microbiología, ciencia de hoy y de mañana, no interesa solo a los médicos y a los veterinarios. *Surco* [Madrid, 4(43): 14-15. Sept. 1945. 15 Su7

14326 MISSISSIPPI. DEPT. OF AGRICULTURE AND COMMERCE. Biennial report, 1943/45, 40 p. Jackson, 1945. 2 M693

14327 NEW USE for air reconnaissance. *Field* 186: 476-477. Nov. 10, 1945. 10 F45

Use of airplanes and aerial photography in various kinds of surveys of interest to agriculture.

14328 ONTARIO. DEPT. OF AGRICULTURE. Seventieth annual report of the Ontario Agricultural College and Experimental Farm, 1944/45. 97 p. Toronto, 1945. 101 On8

14329 PEARSON, L. B. Food and Agriculture Organization. *United Nations Rev.* 5: 234-235. Nov. 15, 1945. 230.8 Un38

14330 PETERS, L. A. H. Statement... at the third Interamerican Conference on Agriculture, Caracas, Venezuela, July, 1945. *United Nations Interim Comm. Food and Agr. Inf. Doc.* 29, 4 p., processed. Washington, D. C., 1945. 389.9 Un36

On the Food and Agriculture Organization of the United Nations.

14331 PICO, A. La reglamentación de la profesión de ingeniero agrónomo. *Inst. Agr. Argentino. Reseñas* 5(34): 17-20. 1945. 281.9 B862

14332 PLANTERS' ASSOCIATION OF CEYLON. Year book, 1944, various paging. Colombo, 1945. 22 C33P  
Data on production of various crops, production costs, and labor. Includes as well the 1944 reports of the Ceylon Labour Commission, the Planters' Benevolent Fund of Ceylon, and the Ceylon Planters' Provident Society.

14333 QUEENSLAND. LAND ADMINISTRATION BOARD. Annual report... on the operations of the Department of Public Lands, Sub-Department of Prickly-Pear Land Commission, Sub-Department of Irrigation and Water Supply, Sub-Department of Forestry, and the Bureau of Investigation, 1944/45, 21 p. Brisbane, 1945. 271.3 P96

14334 RAMBO, E. K. Check waste by rodents. *Ark. Farmer* 47(12): 9. Dec. 1945. 6 Ar42

14335 RENSCHAW, B. He flies through the air --. *Prairie Farmer*, Gen. Ed. 117(26): 8. Dec. 22, 1945. 6 P883

Use of airplanes and aerial photography in work connected with agriculture.

14336 SOCIEDAD AGRICOLA Y GANADERA. Memoria, 1944/45, 188 p. Osorno, 1945. 9.3 So16  
Contains numerous letters and reports relating to agriculture in Chile.

14337 TENNESSEE STATE PLANNING COMMISSION. Industrial resources of Tennessee. *Tenn. State Planning Comm. P.* 153, 210 p. Nashville, 1945. 280.7 T25In

Includes agriculture and forest resources.

14338 TOLLEY, H. R. FAO: a look ahead. *Agr. Situation* 29(12): 2-4. Dec. 1945. 1 Ec7Ag

14339 TYACKE, R. What lies behind the world food conference now meeting at Quebec? *Land* [Sydney], No. 1769, p. 7. Oct. 19, 1945. 23 L22  
The conference of the Food and Agriculture Organization of the United Nations.

14340 UPTON, R. G. The use of Antu as a rodenticide. *Pests* 13(12): 22. Dec. 1945. 449.8 Ex8

14341 WASHINGTON STATE PLANNING COUNCIL. Ten years of progress. Report 6, 1934/44, 111 p. Olympia, 1945. 280.7 W27

Includes agriculture, land use, forestry, reclamation, flood control, and community planning.

14342 WILLIAMS, F. M. First conference of United Nations Organization on Food and Agriculture. *Monthly Labor Rev.* 61: 1091-1093. Dec. 1945. 158.6 B87M

14343 WOOD, A. M. "Interesting and definitely instructive": Natal farmer's impressions of S.A.A.U. congress. *Farmer* [Pietermaritzburg] 34(49): 11. Dec. 7, 1945. 24 F227

14344 WORLEY, G. Education for conservation of our natural resources. *Tex. Acad. Sci. Proc. and Trans.* (1944) 28: 211-216. 1945. 500 T31

14345 ZEMBORAIN, S. Los ingenieros agrónomos y el país. *Inst. Agr. Argentino. Reseñas* 5(34): 71-74. 1945. 281.9 B862

14346 ZIRKLE, C. The early history of the idea of the inheritance of acquired characters and of pangenesis. *Amer. Phil. Soc. Trans. (n. s.)*, v. 35, pt. II, 151 p. Jan. 1946. 500 P533T

#### HISTORY AND BIOGRAPHY

14347 ÅBERG, E. The great Swedish botanist--Linnaeus. *Natl. Hort. Mag.* 24: 251-267. Oct. 1945. 60 M216

14348 ASMOUS, V. V. Dr. E. V. Wulff (1885-1941), a victim of war. *Chron. Bot.* 9: 210-211. Autumn 1945. 450 C46

14349 BARTHEL, C. Vetenskaplig intuition och seg ihärdighet. *Lantmannen* 29: 1047-1048. Nov. 24, 1945. 11 L234

Biographical sketch of A. I. Virtanen; includes his method of manufacturing silage.

14350 BLARINGHEM, L. Seiltiro Ikeno (1866-1943). *Rev. Hort. [Paris]* 116: 44-45. Mar. 16, 1944. 80 R32

14351 BURKE, J. F. Robert Hagelstein, 1870-1945; an appreciation of his life and work. *N. Y. Bot. Gard. J.* 46: 288-290. Dec. 1945. 451 N48J

14352 CAMPBELL, F. L. Theodore Henry Frison. *Sci. Monthly* 62: 91, 93. Jan. 1946. 470 Sci23

14353 COSTELLO, R. Pioneer apiculturist [L. T. Floyd] retires. *Family Herald and Weekly Star* 76(52): 6. Dec. 26, 1945. 7 F21

14354 DR. ROBERT TUTTLE MORRIS (1858-1945). *North. Nut Growers Assoc. Ann. Rpt.* (1944) 35: 122-123. 1945. 94.69 N81

14355 FERNANDES, A. Felix de Avellar Brotero e a sua obra. *Soc. Broteriana B. (ser. 2)* 19: 1111-11xxvi. 1944. 451 C66

14356 G., A. K. Obituary: Professor Haraprasad Chaudhuri [1895-1945]. Sci. and Cult. 11: 128-129. Sept. 1945. 475 Sci24

14357 GILMOUR, J. S. L. William Curtis [1746-1799]. Nature [London] 157: 14-15. Jan. 5, 1946. 472 N21

14358 GOMES, M. D'A. Brotero e a agricultura portuguesa. Soc. Broteriana B. (ser. 2) 19: xli-111. 1944. 451 C66

14359 HARLAND, S. C., and DARLINGTON, C. D. Prof. N. I. Vavilov, For. Mem. R. S. [1885-1942?]. Nature [London] 156: 621-622. Nov. 24, 1945. 472 N21

14360 IARILOV, A. A. Pamiatì Vladimirskogo Dokuchaevskogo -- akademika Vladimira Ivanovicha Vernadskogo (To the memory of the oldest Dokuchaevist - member of the Academy of Sciences, Vladimir Ivanovich Vernadsky). Pochvovedenie (Pedology), No. 7, p. 321-324. 1945. 57.8 P34

14361 J., J. A. Don Alberto M. Brenes (Un costarricense ilustre). Rev. de Agr. [San José] 17: 525-529. Nov. 1945. 8 Esl

14362 JONES, R. L. The agricultural development of Lower Canada, 1850-1867. Agr. Hist. 19: 212-224. Oct. 1945. 30.98 Ag8

14363 JUNIOR, R. Food man. Canad. Business 19(1): 26-27, 92, 94. Jan. 1946. 287 C162

Sir John Boyd Orr, Director General of the Food and Agriculture Organization of the United Nations.

14364 KHOLODNYĬ, N. G. Iz vospominaniĭ o V. I. Vernadskom (Memories of V. I. Vernadsky). Pochvovedenie (Pedology), No. 7, p. 325-326. 1945. 57.8 P34

14365 KREUSER, J. Reverenciando Langstroth, o genial inventor da colmeia do seu nome. Chacaras e Quintais 72: 451. Oct. 15, 1945. 9.2 C34

14366 LORD, R. David Lilienthal, "man of the year in service to Southern agriculture." Prog. Farmer, Miss.-Ark.-La. Ed. 61(1): 66. Jan. 1946. 6 So81

Benefits of the TVA program to agriculture.

14367 PALHINHA, R. T. Félix de Avelar Brotero [1744-1828], o mestre. Soc. Broteriana B. (ser. 2) 19: ix-xvii. 1944. 451 C66

14368 PETERSON, A. G. The Agricultural History Society's first quarter century. Agr. Hist. 19: 193-203. Oct. 1945. 30.98 Ag8

14369 PIRES DE LIMA, A. Brotero e a sua lição. Soc. Broteriana B. (ser. 2) 19: xix-xi. 1944. 451 C66

14370 PIRES DE LIMA, A., and SANTOS JÚNIOR, J. R. Cartas inéditas de e para Brotero. Soc. Broteriana B. 10: 1-49. 1944. 451 C66A

14371 R., A. R. Dr. Harprasad Chaudhuri [1895-1945]. Ph.D., D. Sc. (London), D. I. C. Cur. Sci. 14: 256-257. Oct. 1945. 475 Sci23

14372 RANDHAWA, M. S. Prof. S. L. Ghose (1893-1945). Indian Bot. Soc. J. 24: 163-164. Aug. 1945. 450 J821

14373 RODNEY B. HARVEY [1890-1945]. Minn. Hort. 73: 140-141. Nov. 1945. 81 M66

14374 ROOT, E. R. Lewis W. Parks, founder of the American Honey Institute. Gleanings Bee Cult. 74: 17. Jan. 1946. 424.8 G47

14375 SAENZ B., V. Prof. Don Alberto M. Brenes. Nuestro botánico nacional. Costa Rica. Mus. Nac. B. 1(2): 7-9. Aug. 1945. 516 Sa53B

14376 SAVAGE, S. Curtis as naturalist and humanist. Nature [London] 157: 15-16. Jan. 5, 1946. 472 N21

William Curtis, 1746-1799.

14377 STOLETOV, V. Sozdateli ideino-nauchnoy osnovy sovremennoy agrobiologii [Creators of scientific ideas and principles in contemporary agrobiological]. Soztsialist. Sel'sk. Khoz. 16(7/8): 72-78. July/Aug. 1945. 281.8 So73

K. A. Timirfazev and I. V. Michurin.

14378 STRANGE, H. G. L. We moderns are not so smart. Canad. Countryman 34(26): 3, 32-33. Dec. 22, 1945. 7 C833

Agricultural methods, grain elevators, and price control in ancient times.

14379 SUMNEVICH, G. P. Professor S. N. Kudriashov (1907-1943). Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 233-240. 1945. 451 R923

List of his publications, p. 238-240.

14380 VAN EYNDOHOVEN, G. L. In memoriam Dr. A. C. Oudemans 12 Nov. 1858 - 14 Jan. 1943. Tijdschr. v. Ent. 86: 1-56. 1943, pub. 1944. 421 T21

Two portraits.

List of publications, p. 10-45.

14381 WENT, F. W. In memoriam Anton Hendrik Blaauw [1882-1942]. Chron. Bot. 9: 211-212. Autumn 1945. 450 C46

14382 WINTER, L. En souvenir du professeur Lucien Daniel [1856-1940]. Chron. Bot. 9: 213-214. Autumn 1945. 450 C46

## INTER-AMERICAN RELATIONS

14383 THE THIRD Inter-American Conference on Agriculture. Internatl. Labour Rev. 52: 494-503. Nov. 1945. 283.8 In8

Analysis of the declarations and resolutions.

14384 ULLOA S., A. G. La tercera conferencia interamericana de agricultura. Sementera 2(3): 51-54. Sept. 1945. 9.5 Se5

14385 U. S. DEPT. OF STATE. Agricultural experiment station; agreement between the United States of America and Guatemala amending the agreement of July 15, 1944, signed at Guatemala March 10, 1945; effective March 10, 1945. U. S. Dept. State. Exec. Agreement Ser. 464, 5 p. Washington, 1945. (P. 2407) 150 Ex3

## RESEARCH

14386 BEAR, F. E. Cooperation in research. Amer. Cranberry Growers' Assoc. Proc. Ann. Conv. (1945) 76: 18-19. 81 Am35C

14387 D., R. Dependence of the farmer on the co-operation of the chemist. Farmers' Gaz. [Dublin] 103: 716. Dec. 1, 1945. 10 F221

Services of the chemist in the manufacture of synthetic nitrogen, veterinary medicine, feeding of livestock, and control of plant diseases.

14388 IMPERIAL COUNCIL OF AGRICULTURAL RESEARCH. Annual report, 1943/44. 44 p. Delhi, India, 1944. 22 Im7

14389 MOORE, E. G. Research ready for farmers in 1946. Agr. Situation 30(1): 12-14. Jan. 1946. 1 Ec7Ag

14390 NIVEN, L. A. Products of scientific research. Prog. Farmer, Miss.-Ark.-La. Ed. 61(1): 5. Jan. 1946. 6 So81

14391 PURSER, R. Studying Nazi secrets. Family Herald and Weekly Star 77(1): 5. 9. Jan. 2, 1946. 7 F21

Includes scientific developments related to agriculture.

14392 SHERWESBURY, C. L. Scientific research and the farmer. Amer. Hereford J. 36(17): 94, 98. Jan. 1, 1946. 43.8 Am32

14393 TURNER, A. W. Research and agricultural reconversion. Agr. Engin. 27(1): 17-18, 20. Jan. 1946. 58.8 Ag63



## STATISTICS

## NEW PERIODICALS AND SERIALS

14394 KNUDSEN, L. F. The use of statistics in biological experimentation and essay. Assoc. Off. Agr. Chem. J. 28: 806-813. Nov. 1945. Ref. 381 As7

14395 OLSSON, H. Jordbrukets inkomst- och kostnadskalkyl som grundval för prissättningen 1945/46. Sweden. Kommerskol. Jordbruksekonom. Uppgifter 7(4): 1-9. Apr. 1945. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 32, No. 4) 257.3 K832X

Method of calculating prices of agricultural products from farm costs and returns in Sweden.

14396 ROBERTSON, S. D. Crop forecasting services. Rev. Mktg. Agr. Econ. (n. s.) 13: 175-181. July 1945. 286.8 N47M

14397 NATIONAL INDUSTRIAL CONFERENCE BOARD. Studies in business economics. Irregular. No. 1, 1945. 76 p. New York 17, 247 Park Ave. 280.9 N2163t

14398 REVISTA DEL CAFÉ. Monthly. Vol. 1, No. 1, June, 1945. 38 p. Ponce, Puerto Rico, Cafeteros de Puerto Rico. 8 R3295

## CORRECTIONS

Volume of periodical in item 3242, v. 8, No. 1, Jan. 1946, should be 7.





# BIBLIOGRAPHY OF AGRICULTURE

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Agricultural Information Series

- 14399 FOODS -- enriched, restored, fortified. U. S. D. A. AIS-39, 16 p. 1945. 1 Ag84A1  
 14400 GREEN vegetables in everyday meals. U. S. D. A. AIS-43. Folder. 1946. 1 Ag84A1  
 14401 ROOT vegetables in everyday meals. U. S. D. A. AIS-42. Folder. 1946. 1 Ag84A1  
 Cooking hints and recipes.

Agricultural War Information

- 14402 PICKLE and relish recipes. U. S. D. A. AWI-103, slightly rev., 16 p. 1946. 1 Ag84Aw

Circulars

- 14403 HUKILL, W. V., and SMITH, E. Cold storage for apples and pears. U. S. D. A. C. 740, 61 p. 1946. 1 Ag84C  
 14404 ROSE, D. H. Handling and shipping early potatoes. U. S. D. A. C. 744, 44 p. 1946. 1 Ag84C

Farmers' Bulletins

- 14405 HAMILTON, C. L. Terrace outlets and farm drainageways. U. S. D. A. Farmers' B. 1814, slightly rev., 45 p. 1945. 1 Ag84F  
 14406 MCKEE, R. Lespedeza culture and utilization. U. S. D. A. Farmers' B. 1852, rev., 14 p. 1946. 1 Ag84F  
 14407 THE USE of drugs in treating bovine infectious mastitis. U. S. D. A. Farmers' B. 1422, Sup., 2 p., processed. 1946. 1 Ag84F  
 14408 WARNER, K. F. Pork on the farm; killing, curing, and canning. U. S. D. A. Farmers' B. 1186, slightly rev., 38 p. 1945. 1 Ag84F  
 14409 WARREN, G. M. Farm plumbing. U. S. D. A. Farmers' B. 1426, slightly rev., 21 p. 1946. 1 Ag84F  
 14410 WILLIAMS, J. O., and ELLIS, N. R. Feeding horses. U. S. D. A. Farmers' B. 1030, rev., 18 p. 1945. 1 Ag84F

Miscellaneous Publications

- 14411 FEDERAL legislation, regulations, and rulings affecting cooperative extension work in agriculture and home economics. U. S. D. A. Misc. P. 285, rev., 61 p. 1946. 1 Ag84M  
 14412 PEACETIME adjustments in farming; possibilities under prosperity conditions. U. S. D. A. Misc. P. 595, Sup., 42 p., processed. 1945. 1 Ag84M  
 14413 WHAT peace can mean to American farmers; agricultural policy. U. S. D. A. Misc. P. 589, 41 p. 1945. 1 Ag84M

Planning Aid Pamphlets

- 14414 SALISBURY, J., JR. Rural electrification; the what, why, where, when and how of it. U. S. D. A. Planning Aid Pam. 6, 8 p., processed. 1946. 1.90 C2In8pL

Radio Broadcasts (Processed)

- 14415 BAKER, J., and SIMONS, J. Farm building materials. 4 p. Recorded Jan. 24, 1946. (Timely Farm Topics No. 52b) 1.914 R2T48  
 14416 FITZGERALD, D. A. American food forecast. 2 p. Feb. 8, 1946. (Headline Ed., SMAI.) 1.914 R2R11  
 14417 HALL, D. G., and others. New developments in insecticides. 5 p. Jan. 26, 1946. (Amer. Farmer) 1.914 R2R11  
 F. C. Bishopp, W. I. Popham, and J. Tonkin participating.  
 14418 HENSON, E. R., and BAKER, J. Farm hands across the sea. 4 p. Recorded Feb. 6, 1946. (Timely Farm Topics No. 53b) 1.914 R2T48  
 Need of farm supplies in wartime countries.  
 14419 HOLMES, L., and BAKER, J. Bread conservation notes. 2 p. Feb. 9, 1946. (Nat'l. Farm and Home Hour) 1.914 R2R11  
 14420 MOORE, E., DUMARS, D., and HEMPHILL, J. Berry-bearing shrubs. 6 p. Nov. 3, 1945. (Victory Gardens #106) 1.914 A2M78  
 14421 MOORE, E., DUMARS, D., and HEMPHILL, J. Chrysanthemums for the home garden. 6 p. Oct. 27, 1945. (Victory Gardens #105) 1.914 A2M78  
 14422 MOORE, E., DUMARS, D., and HEMPHILL, J. Dwarf plantings for the home grounds. 6 p. Nov. 10, 1945. (Victory Gardens #107) 1.914 A2M78  
 14423 PITT, B., and BAKER, J. Getting more for your money. 3 p. Dec. 29, 1945. (Your Home and Garden) 1.914 R2R11  
 Accounting.  
 14424 STIEBELING, H. K., and BEATTY, M. The new bread notes. 2 p. Feb. 8, 1946. 1.914 R2T11  
 National Broadcasting Co.  
 14425 STEIBELING, H. K., and BAKER, J. New style bread and nutrition. 2 p. Feb. 9, 1946. (The Amer. Farmer) 1.914 R2R11

Technical Bulletins

- 14426 SMITH, C. N., COLE, M. M., and GOUCK, H. K. Biology and control of the American dog tick, *Dermacentor variabilis*. U. S. D. A. Tech. B. 905, 74 p. 1946. 1 Ag84Te

## AGRICULTURAL ADJUSTMENT AGENCY

14427 REPORT of the chief of the Agricultural Adjustment Agency, director of the Field Service Branch, 1945. 39 p. 1946. 1.4 Ad4R

## AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

14428 JARRELL, T. D. Lists of publications and patents on citrus fruits and products. U. S. Bur. Agr. and Indus. Chem. AIC-96, 12 p., processed. 1945. 1.932 A2Ag82

14429 MAKING casein on the farm for industrial use. U. S. Agr. and Indus. Chem. AIC-107, 4 p., processed. Philadelphia, East. Region. Res. Lab., 1945. 1.932 A2Ag82

## AGRICULTURAL ECONOMICS, BUREAU OF

14430 LIVESTOCK on farms Jan. 1. 25 p., processed. 1946. 1.9 Ec742

14431 MILK cows and milk production on farms, 1945. 2 p., processed. 1946. 1.941 H2M59

14432 MONTHLY egg production, 1944-45. 13 p., processed. 1946. 1.942 D22M76

14433 SEED reports, 1945. Processed. 1945. 1.9 Ec712C

14434 TOLLEY, H. R. How much can farmers produce in peacetime? 12 p., processed. 1946. 1.94 Ad472T  
Address at National Farm Institute, Des Moines, Feb. 15, 1946.

## ANIMAL INDUSTRY, BUREAU OF

14435 REPORT of the chief of the Bureau of Animal Industry, Agricultural Research Administration, 1945. 50 p. 1945. 1 Ag84; also 1 An5A

## DAIRY INDUSTRY, BUREAU OF

14436 THE RAPID ripening of Cheddar cheese made farm pasteurized milk. 4 p., processed. 1946. (BDIM-Inf-29) 1.973 D4B34  
A preliminary report.

## ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

14437 PLANT quarantine import restrictions of the Colony of British Honduras. U. S. Bur. Ent. and Plant Quar. B. E. P. Q. 545, 3 p., processed. 1946. 1.9 F73  
Superseding Supplements Nos. 2 and 3 of B. E. P. Q. 445.

## EXTENSION SERVICE

14438 NUMBER of extension workers. 1 p., processed. 1945. 1.913 A2N91

14439 OUTLINE of plan to facilitate movement of migratory workers recruited in Texas for employment in sugar beet and related crops in the North Central and Plains States in 1946. U. S. Ext. Serv. EFL C. 23, rev., 3 p., processed. 1946. 1.913 E2Ex84  
14440 POSTURE in housework. U. S. Ext. Serv. Misc. Ext. P. 34, rev., 21 p., processed. 1946. 1.9 Ex892M1

14441 SUBSIDIES and the civilian demand for meat. 2 p., processed. 1945. 1.913 A2Sul

14442 WILSON, M. L. World food crisis. 3 p., processed. 1946. 1.913 A2W69  
Address at Ames, Iowa, Feb. 12, 1946.

## FARM CREDIT ADMINISTRATION

14443 WILKINS, P. C. Cooperative frozen food locker associations in Illinois, 1945. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 94, 34 p., processed. 1946. 166.3 M68  
St. Louis [Mo.] Bank for Cooperatives cooperating.

## FEDERAL CROP INSURANCE CORPORATION

14444 REPORT of the manager of the Federal Crop Insurance Corporation, 1945. 25 p. 1946. 1 Ag84; also 1 C88R

## FOREST SERVICE

14445 BETTS, H. S. American woods. 8 Nos. 1945. 1.9 F76Am

Black cherry (*Prunus serotina*). 4 p. October.

Cottonwood [poplar] (*Populus*). 8 p. October.

Douglas-fir (*Pseudotsuga taxifolia*). 8 p. August.

Hickory (*Carya*). 10 p. October.

Oaks (*Quercus*). 16 p. October.

Tupelo (*Nyssa*). 8 p. October.

Western hemlock (*Tsuga heterophylla*). 8 p. October.

Western white pine (*Pinus monticola*). 8 p. October.

14446 BURKS, G. F., and BEESON, R. W. Lumber requirements of the California fruit and vegetable industries. U. S. Forest Serv. Forest Res. Note 46, 12 p. Berkeley, Calif. Forest and Range Expt. Sta., 1945. 1.9 F7626R

14447 LIST of publications July 1 to December 31, 1945 [U. S. Forest Products Laboratory, Madison, Wisconsin]. 7 p., processed. Madison, 1946. 1 F7692L

14448 MARSH, R. E. Forest Service program for 1948 and the years ahead. 7 p., processed. 1946. 1.962 A2M35

Address at meeting of Washington Section, Society of American Foresters, Jan. 24, 1946.

14449 STEHLÉ, H. Forest types of the Caribbean Islands (part I). Caribbean Forester, v. 6, sup., p. 273-414. Oct. 1945. 1.9622 T2C23  
Also in Spanish.

14450 TECHNICAL notes. 5 Nos., processed. University Farm, St. Paul, Lake States Forest Expt. Sta., 1946. 1.9 F7625T

Minnesota University cooperating.

No. 246. Treated paper birch and aspen posts give good service, by H. F. Scholz. 1 p.

No. 247. Stand changes following light selection cutting, by W. M. Zillgitt. 1 p.

No. 248. Minnesota woodlot yields valuable crop, by J. R. Neetzel. 1 p.

No. 249. Slash removal an important factor in restocking cut-over spruce swamps, by E. I. Roe. 1 p.

No. 250. Season of cutting affects aspen sprouting, by P. J. Zehngraff. 1 p.

14451 TEESDALE, L. V. Reducing the hazards of inadequately dried lumber in postwar housing. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R1600, 8 p. Madison, 1945. 1.9 F761R

14452 WHY did it happen? The war is over now! Safety. 6 p., processed. 1946. (K-30) 1.952 A2W622

## HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

14453 REPORT of the chief of the Bureau of Human Nutrition and Home Economics, Agricultural Research Administration, 1945. 12 p. 1945. 1 Ag84; also 1 H75



## INFORMATION, OFFICE OF

14454 CLAY, E. W. Popular publications for the farmer and homemaker. U. S. Dept. Agr. Off. Inform. Div. Pub. List 5, rev., 38 p. 1946. 1 P96Lf

## LIBRARY

14455 HANNAY, A. M. Inheritance of farm real estate, 1920-1945; a list of references. U. S. D. A. Libr. List 22, 34 p., processed. 1946. 1.916 L612

## PRODUCTION AND MARKETING ADMINISTRATION

- 14456 APPLE-PEAR cold storage outlook 1945. 2 p., processed. 1945. 1.9422 In8067
- 14457 DAVIDSON, W. A. Federal viewpoint regarding uniformity of State seed laws. 5 p., processed. 1946. 1.9422 G33D28  
Address, Association of Southeastern States Seed Control Officials, Tallahassee, Jan. 11, 1946.
- 14458 ENTRIES of sugar from offshore areas during the calendar year 1945. 2 p., processed. 1946. 1.94 Su3Se
- 14459 KITCHEN, C. W. Foreign trade outlook for fruits and vegetables. 5 p., processed. 1945. 1.9422 A2K64  
Address before meeting of the Farm Bureau, Chicago, Dec. 17, 1945.
- 14460 MEYER, E. A. Industry's responsibility in the expansion of market outlets. 2 p., processed. 1946. 1.9422 In2M57  
Summary of remarks at meeting of the Horticultural Industry Advisory Committee on Foreign Trade, held in the U. S. Department of Agriculture, Jan. 28-31, 1946.
- 14461 REPORT of the chief of the Agricultural Adjustment Agency, director of the Field Service Branch, 1945. 39 p. 1946. 1 Ag84
- 14462 RULES and regulations of the Secretary of Agriculture governing the inspection and certification of dressed poultry and dressed domestic rabbits and edible products thereof for condition and wholesomeness. Rev., 9 p. 1945. (S. R. A. - P. M. A. 131, rev.) 1 M34S
- 14463 SMITH, S. R. Domestic fruit and vegetable situation. 2 p., processed. 1946. 1.9422 A2Sm6  
Summary of remarks at meeting of the Horticultural Industry Advisory Committee on Foreign Trade, held in the U. S. Department of Agriculture, Jan. 28-31, 1946.
- 14464 [SUGAR determination.] 1 No. 1945. 1.94 Su3Sd
- S. D. 229. Determination of fair and reasonable wage rates for persons employed in production, cultivation, or harvesting of sugarcane in Puerto Rico, during calendar year 1946. 2 p.

## RURAL ELECTRIFICATION ADMINISTRATION

- 14465 STATUS of R. E. A. projects as of January 1, 1945. (State maps.) 1945. 1.933 St2
- 14466 THIS is an REA co-op. Folder. St. Louis, 1945. 1.933 T34

## SECRETARY, OFFICE OF

- 14467 ANDERSON, C. P. Agricultural markets and marketing. 9 p., processed. 1946. 1.91 A2An2  
Address before the National Association of Commodity Exchanges and Allied Trades, Inc., Washington, D. C., Feb. 4, 1946.
- 14468 ANDERSON, C. P. Beef cattle and the feed situation. 2 p., processed. 1946. 1.91 A2An2  
Broadcast, Feb. 2, 1946, in the National Farm and Home Hour.
- 14469 ANDERSON, C. P. Better food for a better America. 7 p., processed. 1946. 1.91 A2An2  
Statement for the National-American Wholesale Grocers' Association, Atlantic City, Feb. 6, 1946
- 14470 ANDERSON, C. P. Can cotton compete? 12 p., processed. 1946. 1.91 A2An2  
Talk before the Association of Cotton Textile Merchants, New York, Feb. 1, 1946.

- 14471 ANDERSON, C. P. Opportunities in appetites. 13 p., processed. 1946. 1.91 A2An2  
Address before the National Cannery Association, Atlantic City, Feb. 5, 1946.  
Includes food preservation, prices, and purchasing power of the consumer.
- 14472 ANDERSON, C. P. Price relationships as they affect markets for food. 12 p., processed. 1946. 1.91 A2An2  
Address before the National Farm Institute, Des Moines, Feb. 15, 1946.
- 14473 KOENIG, N. Post-war readjustment for the poultry industry. 8 p., processed. 1945. 1.91 A2K81  
Address at the Annual Meeting of the Connecticut Farmers' Cooperative Auction Association at Hartford, Nov. 1, 1945.
- 14474 MINOR, W. A. The relation of the Extension Service to the USDA. 6 p., processed. 1945. 1.91 A2M66
- 14475 REPORT of the Secretary of Agriculture 1945. 167 p. 1946. 1 Ag84

## SOIL CONSERVATION SERVICE

- 14476 BENNETT, H. H. Our shrinking soil resources. 12 p., processed. 1945. 1.91 A2An2
- 14477 BENNETT, H. H. World land use and conservation needs in the United States. 2 p., processed. 1945. 1.96 Ad62
- 14478 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Columbia Basin, February 1, 1946. 15 p., processed. 1946. 1.96 R31Fs
- 14479 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Columbia Basin, May 1, 1945. 10 p., processed. 1945. 1.96 R31Fs
- 14480 PHYSICAL land conditions affecting use, conservation and management of land resources, Doniphan County, Kansas. 25 p., processed. 1945. 1.96 L22Phd  
Kansas Agricultural Experiment Station cooperating.
- 14481 PHYSICAL land conditions affecting use, conservation and management of land resources, Marshall County, Kansas. 24 p., processed. 1945? 1.96 Ad6Ph  
Kansas Agricultural Experiment Station cooperating.
- 14482 REPORT of the chief of the Soil Conservation Service, 1945. 55 p. 1946. 1.6 So3R
- 14483 STALLINGS, J. H. Research summaries; part II. 80 p., processed. 1946. 1.96 R31Rs  
Abstracts of Soil Conservation research publications.
- 14484 STATUS of title clearance for exchange of lands under title III, Bankhead-Jones Farm Tenant Act, December 31, 1945. 6 p., processed. 1946? 1.96 L22S  
Two tables. 1. Regional summary of status of title clearance for land exchanges; 2. Status of title clearance for land exchanges, by projects.
- 14485 SUMMARY of snow survey measurements in Oregon, 1926-1945 inclusive. 90 p., processed. 1945. 1.96 R21Sus  
Oregon Agricultural Experiment Station, Medford Branch and Oregon State Engineer cooperating.
- 14486 SUTTON, J. G. Field drainage and water disposal systems; their repair and maintenance. 8 p., processed. 1946. 1.96 Op2Sut

## SOLICITOR, OFFICE OF

- 14487 SHIELDS, R. H. Federal statutory provisions relating to price support for agricultural commodities. Rev., 39 p., processed. 1946. 1.918 Ag8

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS  
April 1946

Includes State Agricultural Experiment Station publications received in the library during the preceding month. Articles in Station periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

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Arizona Agricultural Experiment Station, Tucson

14488 STANLEY, E. B. Rations for fattening cattle in Arizona. *Ariz. Agr. Expt. Sta. B. 198*, 16 p. 1945. 100 Ar4

14489 BARR, G. W. Arizona agriculture 1946; production, income, and costs. *Ariz. Agr. Expt. Sta. B. 202*, 18 p. 1946. 100 Ar4

California Agricultural Experiment Station, Berkeley

14490 EMLIN, J. T., JR., and GLADING, B. Increasing valley quail in California. *Calif. Agr. Expt. Sta. B. 695*, 56 p. 1945. Ref. 100 Cl2S

Connecticut (State) Agricultural Experiment Station, New Haven

14481 SINGLETON, W. R., and NELSON, O. E., JR. The improvement of naturally cross-pollinated plants by selection in self-fertilized lines. IV. Combining ability of successive generations of inbred sweet corn. *Conn. Agr. Expt. Sta. B. 400*, p. 457-498. 1945. Ref. 100 C76St

Georgia Agricultural Experiment Station, Experiment

14492 WOODROOF, J. G., THOMPSON, H. H., and CECIL, S. R. Improving the quality of peanut butter. *Ga. Agr. Expt. Sta. B. 243*, 20 p. 1945. Ref. 100 G29S

14493 OLSON, L. C., and BLEDSOE, R. P. Collecting soil samples for chemical analysis. *Ga. Agr. Expt. Sta. C. 148*, 7 p. 1945. 100 G29S

Hawaii Agricultural Experiment Station, Honolulu

14484 MILLER, C. D., and BAZORE, K. Fruits of Hawaii. *Hawaii. Agr. Expt. Sta. B. 96*, 129 p. 1945. 100 H313

Illinois Agricultural Experiment Station, Urbana

14495 DUNGAN, G. H., and others. Illinois hybrid corn tests 1945. *Ill. Agr. Expt. Sta. B. 517*, p. 227-256. 1946. 100 IL6S

J. H. Bigger, A. L. Lang, B. Koehler, and R. W. Jugenheimer, joint authors.

14496 DUNGAN, G. H., and BONNETT, O. T. Sow adapted varieties of spring oats. *Ill. Agr. Expt. Sta. C. 601*, 8 p. 1946. 275.29 1162C

Indiana Agricultural Experiment Station, Lafayette

14497 REDFIELD, G. M., and WITZ, R. L. Preservation of foods on the farm by freezing. *Ind. Agr. Expt. Sta. B. 507*, 16 p. 1945. 100 In2P

14498 VESTAL, C. M. Mixed supplements for hogs. *Ind. Agr. Expt. Sta. B. 508*, 16 p. 1945. 100 In2P

Louisiana Agricultural Experiment Station, University Station, Baton Rouge

14499 FENSKE, L. J., and EPPERSON, J. N. An economic study of the sweet potato enterprise in the north Louisiana upland cotton area in 1943. *La. Agr. Expt. Sta. B. 395*, 24 p. 1945. 100 L93

U. S. Bureau of Agricultural Economics cooperating.

14500 BROWN, H. B. Effect of certain summer and winter legume crops in improving corn yields in south Louisiana. *La. Agr. Expt. Sta. B. 396*, 36 p. 1945. 100 L93

14501 ALEXANDER, W. M. Farm ownership in Louisiana financed under the Bankhead-Jones Farm Tenant Act. *La. Agr. Expt. Sta. B. 397*, 30 p. 1945. 100 L93

14502 BARLOW, F. D., JR. An economic study of peach production in Louisiana. *La. Agr. Expt. Sta. B. 398*, 32 p. 1945. 100 L93

14503 FENSKE, L. J., and BARLOW, F. D., JR. Tractors on upland farms in north Louisiana. *La. Agr. Expt. Sta. B. 399*, 30 p. 1945. 100 L93

14504 A STATEMENT on DDT and its uses. *La. Agr. Expt. Sta. Insect Pest Control Serv. Leaflet 36*, rev. 6 p., processed. 1946. 423.9 L93l

Maine Agricultural Experiment Station, Orono

14505 TOBEY, E. R. Commercial fertilizers, 1945. *Maine Agr. Expt. Sta. Off. Insp. 197*, 63 p. 1945. 100 M2ES

14506 STEINBAUER, G. P., and TOBEY, E. R. Commercial agricultural seeds, 1945; fungicides and insecticides, 1945. *Maine Agr. Expt. Sta. Off. Insp. 198*, p. 65-96. 1945. 100 M283

Minnesota Agricultural Experiment Station, University Farm, St. Paul

14507 NORTH CENTRAL REGIONAL LAND TENURE COMMITTEE. Capital needed to farm in the Midwest: How much is needed? Where can it be obtained? How should it be used? *Minn. Agr. Expt. Sta. B. 389*, 34 p. 1946. (North Central Regional P. No. 5) 100 M66

In cooperation with experiment stations of various States, the Farm Foundation, and the U. S. Bureau of Agricultural Economics.

Mississippi Agricultural Experiment Station, State College

14508 MISSISSIPPI farm research, v. 8, No. 12, 8 p. Dec. 1945. 100 M69M1

New Jersey Agricultural Experiment Station, New Brunswick

14509 PLANT disease notes, v. 22, No. 11, p. 41-44, processed. Nov. 1945; No. 12, p. 45-48, processed. Dec. 1945. 464.9 N46P

New Mexico Agricultural Experiment Station, State College

14510 PINGREY, H. B. Sheep ranching in south-eastern New Mexico. *N. Mex. Agr. Expt. Sta. B. 325*, 64 p. 1945. 100 N46S

14511 EVANS, M. Economics of broomcorn production in New Mexico. *N. Mex. Agr. Expt. Sta. B. 326*, 45 p. 1945. 100 N46S

North Carolina Agricultural Experiment Station, State College Station, Raleigh

14512 MOORE, R. F., and MIDDLETON, G. K. Measured crop performance; corn hybrids - cotton - wheat - oats - barley - rye. *N. C. Agr. Expt. Sta. B. 354*, 54 p. 1946. 100 N81



Ohio Agricultural Experiment Station, Wooster

14513 YODER, R. E. Results of agronomic research on the use of lime and fertilizers in Ohio. Ohio. Agr. Expt. Sta. Agron. Miscog. 96, rev., 19 p., processed. 1945. 100 Oh32

Oregon Agricultural Experiment Station, Corvallis

14514 SCHOTH, H. A., and RAMPTON, H. H. Sudan grass, millets, and sorghums in Oregon. Oreg. Agr. Expt. Sta. B. 425, 27 p. 1945. 100 Or3

14515 RAMPTON, H. H. Alta fescue production in Oregon. Oreg. Agr. Expt. Sta. B. 427, 22 p. 1945. 100 Or3

14516 MILLER, P. W. Diseases of the filbert in the Pacific Northwest and their control. Oreg. Agr. Expt. Sta. B. 428, 24 p. 1945. 100 Or3

Pennsylvania Agricultural Experiment Station, State College

14517 WILDE, E. I., and MEHL, R. F. 1945 rose test at the Pennsylvania State College. Pa. Agr. Expt. Sta. J. Ser. Paper 1300, 29 p., processed. 1945. 100 P381J

South Carolina Agricultural Experiment Station, Clemson

14518 WEBB, H. J. Inspection and analysis of commercial fertilizers. S. C. Agr. Expt. Sta. B. 363, 108 p. 1945. 100 So8

14519 AULL, G. H., and PETERSON, M. J. Agricultural production to meet 1946 needs. S. C. Agr. Expt. Sta. C. 70, 43 p. 1945. 100 So8

South Dakota Agricultural Experiment Station, Brookings

14520 MANKE, K. F. South Dakota corn performance tests, 1945. S. Dak. Agr. Expt. Sta. C. 60, 18 p. 1946. 100 So82

Tennessee Agricultural Experiment Station, Knoxville

14521 WASHKO, J. B. Correcting potash deficiency in growing corn. Tenn. Agr. Expt. Sta. C. 93, 4 p. 1945. 100 T253

14522 MASTERS, F. N., and MANTLE, C. C. Costs, materials and practices in growing Irish potatoes on Cumberland Plateau. Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog. 194, 59 p., processed. 1946. 173.2 W89Co

Texas Agricultural Experiment Station, College Station

14523 PICKETT, B. S. Potato varieties. Tex. Agr. Expt. Sta. Prog. Rpt. 986, 2 p., processed. 1946. 100 T31P

Vermont Agricultural Experiment Station, Burlington

14524 CARTER, R. M. The farm business and farm family living as related to land class in nine Vermont towns. Vt. Agr. Expt. Sta. B. 526, 36 p. 1945. 100 V59

Farm business factors include investment, income, and efficiency.

14525 LUTMAN, B. F. The spread of potato scab in soil by potato plant humus. Vt. Agr. Expt. Sta. B. 528, 40 p. 1945. Ref. 100 V59

Actinomyces scabies and other species.

Wisconsin Agricultural Experiment Station, Madison

14526 PRICE, W. V. Cheddar cheese from pasteurized milk. Wis. Agr. Expt. Sta. B. 464, rev., 16 p. 1945. 100 W75

14527 JOHNSON, J., and OGDEN, W. B. Tobacco seed beds. Wis. Agr. Expt. Sta. B. 467, 28 p. 1945. 100 W75

14528 COWLES, M. L., SIEK, M. V., and MYERS, J. F. Where the money went; changes in family living from 1940 to 1942 in 106 FSA families in Wisconsin. Wis. Agr. Expt. Sta. Res. B. 155, 16 p. 1945. 100 W75

14529 BAKER, B. A., and FROKER, R. K. The evaporated milk industry under Federal marketing agreements. Wis. Agr. Expt. Sta. Res. B. 156, 91 p. 1945. 100 W75

14530 PARSONS, K. H., and WAPLES, E. O. Keeping the farm in the family; a study of ownership processes in a low tenancy area of eastern Wisconsin. Wis. Agr. Expt. Sta. Res. B. 157, 53 p. 1945. 100 W75

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month. Articles in Extension periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing State Extension Service.

Mimeographed or processed material issued by the State Agricultural Extension Services is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

California University, College of Agriculture, Agricultural Extension Service, Berkeley

14531 BELTON, H. L., and FAIRBANK, J. P. A septic tank for farm homes. Calif. Agr. Col. Ext. C. 82, rev., 19 p. 1945. 275.29 C12C

Florida University, College of Agriculture, Agricultural Extension Service, Gainesville

14532 NIWLAND, L. T. Timber-grazing-game; a suggested combined program for uncultivated lands. Fla. Agr. Col. Ext. B. 127, 19 p. 1945. 275.29 F66

14533 MEHRHOF, N. R., and O'STEEN, A. W. Raising chicks, broilers and pullets. Fla. Agr. Col. Ext. B. 128, 40 p. 1946. 275.29 F66

Hawaii University, Agricultural Extension Service, Honolulu

14534 TOWER, B. A., and BICE, C. M. Coccidiosis in poultry. Hawaii. U. Agr. Ext. C. 23, rev., 3 p., processed. 1946. 275.29 H312Ac

14535 TOWER, B. A., HYER, G. O., and BICE, C. M. Capons and caponizing. Hawaii. U. Agr. Ext. C. 108, rev., 4 p., processed. 1946. 275.29 H312Ac

14536 VOLLRATH, H. Culling poultry. Hawaii. U. Agr. Ext. C. 181, 4 p., processed. 1945. 275.29 H312Ac

14537 ELLIOTT, R. Price summaries - beef cattle, 1934-1944. Hawaii. U. Agr. Ext. C. 182, 10 p., processed. 1945. 275.29 H312Ac

14538 ELLIOTT, R. Price summaries of eggs. Hawaii. U. Agr. Ext. C. 183, 4 p., processed. 1945. 275.29 H312Ac

14539 ELLIOTT, R. Price summaries for some truck and fruit crops. Hawaii. U. Agr. Ext. C. 184, 14 p., processed. 1945. 275.29 H312Ac

14540 BOYD, J. H. Field diseases of the tomato and their control. Hawaii. U. Agr. Ext. C. 185, 6 p., processed. 1945. 275.29 H312Ac

United States Department of Agriculture cooperating.

14541 BICE, C. M. Turkey raising in Hawaii. Hawaii. U. Agr. Ext. C. 189, 7 p., processed. 1946. 275.29 H312Ac

14542 BICE, C. M. Timely suggestions on the brooding of chicks (colony brooder house method and battery method). Hawaii. U. Agr. Ext. C. 190, 2 p., processed. 1946. 275.29 H312Ac

14543 BICE, C. M. Feed oyster shells [to poultry] for increased profit. Hawaii. U. Agr. Ext. C. 192, 1 p., processed. 1946. 275.29 H312Ac

Idaho University, College of Agriculture, Extension Service, Moscow

14544 MOTORS and potatoes. Idaho. Agr. Col. Ext. Rural Electr. Ext. Leaflet 71, 2 p. 1945. 275.29 Id13Ir

14545 CUTTING chore costs. Idaho. Agr. Col. Ext. Rural Electr. Ext. Leaflet 72, 2 p. 1945. 275.29 Id13Ir

Illinois University, College of Agriculture, Extension Service, Urbana

14546 POWELL, D., CHANDLER, S. C., and KELLEY, V. W. Pest control in commercial fruit plantings. Ill. Agr. Col. Ext. C. 568, rev., 52 p. 1946. 275.29 IL62C

Contents: I. Insect and disease control, p. 3-26; II. Rodent control, p. 27-31; III. Important supplementary facts, p. 31-38; IV. Preparing spray materials, p. 38-43; V. Commercial spray preparations, p. 44-47; VI. Promising new spray materials, p. 47-48.

14547 LINSLEY, C. M., and CRANE, F. H. Manure is worth money; it deserves good care. Ill. Agr. Col. Ext. C. 595, 8 p. 1945. 275.29 IL62C

14548 WIMER, D. C. Why cultivate corn? Ill. Agr. Col. Ext. C. 597, 15 p. 1946. 275.29 IL62C

Maine University, College of Agriculture, Agricultural Extension Service, Orono

14549 MAINE Agricultural Extension Service annual report of the director for the year ending June 30, 1945. Maine. Agr. Col. Ext. B. 339, 55 p. 1945. 275.29 M281B

Montana State College, Extension Service, Bozeman

14550 MILLS, H. B. Some Montana birds; their relationship to insects and rodents. Mont. State Col. Ext. B. 229, 48 p. 1945. 275.29 M76C

14551 MCCLELLAND, B. E. Preservation of foods by frozen storage. Mont. State Col. Ext. B. 230, 20 p. 1945. 275.29 M76C

14552 DEMONSTRATIONS and home economics judging in Montana 4-H Clubs. Mont. State Col. Ext. B. 231, 38 p. 1945. 275.29 M76C

14553 DEMONSTRATIONS and agricultural judging in Montana 4-H Clubs. Mont. State Col. Ext. B. 232, 28 p. 1945. 275.29 M76C

14554 CUSHMAN, H. E. 4-H poultry manual. Mont. State Col. Ext. B. 233, 92 p. 1945. 275.29 M76C

14555 MCCLELLAND, B. E. Causes and prevention of spoilage in home canned food. Mont. State Col. Ext. B. 234, 18 p. 1945. 275.29 M76C

14556 BOLSTER, H. G. Suggestions to prospective farmers. Mont. State Col. Ext. C. 160, 6 p. 1945. 275.29 M76C1

Information for veterans.

14557 WARREN, J. Convenience in kitchen drawers. Mont. State Col. Ext. C. 161, 4 p. 1945. 275.29 M76C

14558 WARREN, J. Convenience in kitchen cupboards. Mont. State Col. Ext. C. 162, 2 p. 1945. 275.29 M76C

14559 FLATHEAD COUNTY AGRICULTURAL ADVISORY COMMITTEE. Facts about Flathead County's agriculture and suggestions to prospective farmers. Mont. State Col. Ext. C. 163, 15 p. 1945. 275.29 M76C1

14560 CALLENBACH, J. A., and HANSMEIER, M. P. Wheat stem sawfly control. Mont. State Col. Ext. C. 164, 4 p. 1945. 275.29 M76C1

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

14561 DAVIS, J. E., and POND, J. D. Hand-planting forests; forestry for 4-H Club boys and girls first year - tree planting. N. Y. Agr. Col. Cornell Ext. B. 28, rev., 24 p. 1945. 275.29 N48E



14562 GRANDALL, W. T., and TUIK, K. L. Feeding the dairy cow efficiently. N. Y. Agr. Col. Cornell Ext. B. 363, rev., 58 p. 1945. 275.29 N48E

14563 CORNMAN, J. F. The home lawn. N. Y. Agr. Col. Cornell Ext. B. 469, rev., 22 p. 1946. 275.29 N48E

14564 BRASIE, M. Handling cloth; first steps. N. Y. Agr. Col. Cornell Ext. B. 676, 7 p. 1945. 275.29 N48E

14565 WELCH, D. S., RANKIN, W. H., and READIO, P. A. Dutch elm disease control. N. Y. Agr. Col. Cornell Ext. B. 687, 15 p. 1945. 275.29 N48E

14566 STALEY, H. K. Fastening your dress. N. Y. Agr. Col. Cornell Ext. B. 688, 4 p. 1945. 275.29 N48E

14567 PALMER, E. L. Let's see. N. Y. Agr. Col. Ext. Cornell Rural School Leaflet, v. 39, No. 3, 32 p. 1946. 275.29 N48R  
On good eyesight.

Rhode Island State College, Extension Service, Kingston

14568 HIGBEE, V. B. Sew and save in 4-H. R. I. State Col. Ext. B. 93, 12 p. 1945. 275.29 R34

14569 CREEK, C. R., and HAUCK, J. F. Improving land the modern way. R. I. State Col. Ext. B. 94, 8 p. 1945. 275.29 R34

14570 HIGBEE, V. B., and CHRISTOPHER, E. P. Frozen foods. R. I. State Col. Ext. B. 95, 12 p. 1945. 275.29 R34

14571 HIGHT, V. B. Herbs for variety in the victory garden and in wartime meals. R. I. State Col. Ext. B. 96, 4 p. n. d. 275.29 R34

14572 PAGE, E. C. Sewing time savers. R. I. State Col. Ext. B. 97, 19 p. 1945. 275.29 R34

14573 FARMERS and 1945 income taxes. R. I. State Col. Ext. B. 98, 12 p. 1945. 275.29 R34

Prepared in cooperation with the Extension Service and Bureau of Agricultural Economics of the U. S. Dept. of Agriculture.

14574 CHRISTOPHER, E. P. Spraying fruit for insect and disease control. R. I. State Col. Ext. Mimeog. C. 10, rev., 8 p., processed. 1946. 275.29 R34M

Utah State Agricultural College, Extension Service, Logan

14575 KNOWLTON, G. F. Garden insect control. Utah. State Agr. Col. Ext. N. S. 136, 2 p. 1945. 275.29 Utl

Washington State College, Extension Service, Pullman

14576 CAGLE, A. J. Farmstead planning (farm building arrangement). Wash. State Col. Ext. B. 337, 14 p. 1946. 275.29 W27P

14577 FOOD production goals for 1946; State of Washington and individual counties. Wash. State Col. Ext. C. 97, 40 p. 1946. 275.29 W27C

14578 4-H MEAL preparation breakfast club. Wash. State Col. Ext. 4-H C. 35, rev., 19 p. 1945. 275.29 W27FH

Wisconsin University, College of Agriculture, Agricultural Extension Service, Madison

14579 HALPIN, J. G., CRAVENS, W. W., and MCGIBBON, W. H. Feeding for eggs. Wis. Agr. Col. Ext. C. 351, rev., 8 p. 1945. 275.29 W75C

14580 SERVES farm and home: 1944 report of extension service in agriculture and home economics, University of Wisconsin, Madison. Wis. Agr. Col. Ext. C. 363, 35 p. 1945. 275.29 W75C

14581 PARSONS, K. H., and LEGRID, C. J. Planning for the descent of property in the family. Wis. Agr. Col. Ext. C. 364, 24 p. 1945. 275.29 W75C

14582 MILK and eggs in our meals. Wis. Agr. Col. Ext. C. 4-H 46, 23 p. 1945. 275.29 W75Cf

14583 MILWARD, J. G., and others. My story; growing potatoes as a 4H project. Wis. Agr. Col. Ext. C. 4H-48, 32 p. 1945. 275.29 W75Cf

V. H. Quick, G. H. Rieman, H. M. Darling, K. C. Berger, T. C. Allen, J. W. Brann, and R. E. Vaughan, joint authors.

14584 PROBLEMS facing dairymen; more non-fat milk solids. Wis. Agr. Col. Ext. Econ. Inform. for Wis. Farmers, v. 16, No. 10, 4 p. 1945. 275.29 W75Ec

14585 FISHER, E. H. Airplane dusting of canning peas. 7 p., processed. Wis. Agr. Col. Ext. Spec. C., 1945. 275.29 W75S

14586 MELOCHE, G., PEARSON, H., and BIRONG, E. Care of fabrics. 6 p. Wis. Agr. Col. Ext. Spec. C., 1945. 275.29 W75S

14587 MELOCHE, G., PEARSON, H., and BIRONG, E. Make the pattern fit. 6 p. Wis. Agr. Col. Ext. Spec. C., 1945. 275.29 W75S

14588 MELOCHE, G., PEARSON, H., and BIRONG, E. Using the test pattern. 6 p. Wis. Agr. Col. Ext. Spec. C., 1945. 275.29 W75S

14589 SONDEN, L. G. Why not retire on the farm? 5 p., processed. Wis. Agr. Col. Ext. Spec. C., 1945. 275.29 W75S

14590 WECKEL, K. G. The development and role of dairying in Wisconsin. 4 p., processed. Wis. Agr. Col. Ext. Spec. C., 1945. 275.29 W75S

Wyoming University, College of Agriculture, Agricultural Extension Service, Laramie

14591 BOYD, G. W. Pastures for Wyoming. Wyo. Agr. Col. Ext. C. 90, 19 p. 1945. 275.29 W99C

14592 BOYD, G. W. Cultivation and renovation of native and alfalfa meadows. Wyo. Agr. Col. Ext. C. 91, 13 p. 1945. 275.29 W99C

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except restricted publications, not included in the foregoing sections, which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

14593 ARREDONDO, A. Cuba: terra indefensa. 500 p. La Habana, Editorial Lex, 1945. Ref. 280.14 Ar6

Contains discussion of agriculture, land tenure, and the sugar industry.

14594 ASSOCIATION OF LAND-GRANT COLLEGES AND UNIVERSITIES. COMMITTEE ON POSTWAR AGRICULTURAL POLICY. Postwar agricultural policy; preliminary report. 51 p., processed. Berkeley? Calif., 1944. 281.12 As73

14595 CANADA. BUREAU OF STATISTICS. EXTERNAL TRADE BRANCH. Trade of Canada; exports of Canadian produce, December 1945 and twelve months ended December 1945. 142 p., processed. Ottawa, 1946. 253 St25Tap

14596 CHICAGO. UNIVERSITY. GRADUATE SCHOOL. LIBRARY INSTITUTE. Library extension, problems and solutions; edited by C. B. Joeckel. 260 p. Chicago, U. of Chicago Press, 1946. Ref., p. 241-248. (Chicago. U. Studies in Lib. Sci.) 243 C432Le  
Partial contents: Library extension today, by C. B. Joeckel, p. 9-24; The rural community and



county government, by J. H. Kolb, p. 47-58; The county library, by E. H. Morgan, p. 59-74; The organization of regional services, by C. H. Pritchett, p. 75-86; The regional library, by H. M. Harris, p. 87-97; Rural schools and the public library, by M. L. Batchelder, p. 103-125; The role of the State agency in library extension, by P. A. Noon, p. 160-170; Michigan's postwar plan for library extension, by L. D. Ryan, p. 171-184; Farm income, migration, and leisure, by T. W. Schultz, p. 229-240.

14557 DORFMAN, J. The economic mind in American civilization, 1606-1865. 2 v. N. Y., Viking, 1946. 277.12 D73

Thomas Jefferson: commercial agrarian democrat, p. 433-447; The land reformers: George Henry Evans, Lewis Masquerier, John Pickering, p. 684-686.

14598 FAULKNER, E. H. Uneasy money. 114 p. Norman, U. of Okla. Press, 1946. 281.12 F27

Farming methods resulting from attitude toward money, and the need for lowering production costs in agriculture.

14599 FISHER, A. G. B. Economic progress and social security. 362 p. London, Macmillan, 1945.

280.171 F532

Back to the land, p. 171-173; The nutritional approach, p. 173-181; Agricultural policy, p. 240-253.

14600 HARRIS, S. E. Inflation and the American economy. 559 p. N. Y., McGraw-Hill, 1945.

284.3 H241

Makes frequent reference to farm employment, income, output, prices, and wages, for which the index should be consulted.

14601 HEKNER, E. International cartels. 555 p. Chapel Hill, U. of N. C. Press, 1945. 280 H512

Contains case studies of control in food products and agricultural raw materials.

14602 MASSACHUSETTS ASSOCIATION OF AGRICULTURAL TEACHERS. Postwar service in agriculture; a report of progress. 24 p., processed. Amherst, 1945.

275.1 M387

Division of Vocational Education, Massachusetts Dept. of Education, cooperating.

Education for farming.

14603 MES FINANCIERO Y ECONOMICO. Venezuela, 1945. 659 p. Bogotá, Col., "Frag," 1945.

280.169 M56

Partial contents: Venezuela en cifras, by M. R. Egaña, p. 118-159 (includes agricultural statistics); Ganadería, by E. A. Rivera, p. 167-173; Agricultura, by A. Salvi, p. 175-181; Banco Agrícola y Pecuario, p. 257-262; Ministerio de Agricultura y Cría, p. 331-340.

14604 MOORE, W. E. Economic demography of eastern and southern Europe. 299 p. Geneva, League of Nations, Econ., Financial and Transit Dept., 1945. (League of Nations P. II. Econ. and Financial, 1945. II. A. 9) 280.9 L47P

General bibliography, p. 281-292.

Contains chapters on the volume of agricultural production, agricultural population and productive organization, and the outlook for economic development. Appendices include agricultural statistics and surveys of land tenure and labor.

14605 RODRIGUEZ, A., JR. The second unit and the rural school problem of Puerto Rico. 238 p. San Juan, Imprenta Venezuela, 1945. 275 R612

Thesis (Ed. D.) - Indiana Univ.

The Background of the Rural Setting, p. 5-45.

14606 U. S. CONGRESS, HOUSE, SPECIAL COMMITTEE TO INVESTIGATE EXECUTIVE AGENCIES. To investigate executive agencies. Hearings...79th Cong., 1st sess. pursuant to H. Res. 88...Pt. 4, May 20, 30, 31, June 5, 19, 1945; hearings on War Labor Board and National Labor Relations Board; complaints of citrus fruit and vegetable growers of the States of California, Texas, and Florida. p. 993-1270. Washington, 1946.

14607 U. S. CONGRESS, SENATE, COMMITTEE ON EDUCATION AND LABOR. Amendment of the Fair Labor Standards Act. Hearings...79th Cong., 1st sess. on S. 1349...Washington, D. C., Sept. 25, 26, 27, and 28; Oct. 2, 4, 5, 9, 10, 12, 16, 18, 19, 23, 25, and 26, 1945. 1411 p. Washington, 1945.

Much of the data is on farm labor.

14608 U. S. CONGRESS, SENATE, COMMITTEE ON PUBLIC LANDS AND SURVEYS. Administration and use of public lands. Hearings...79th Cong., 1st sess., pursuant to S. Res. 241 (76th Cong. - Extended by S. Res. 139, 79th Cong.)...Pt. 18, Boise, Idaho, June 4 and 5, 1945, Baker, Oreg., June 7 and 8, 1945, Burns, Oreg., June 11 and 12, 1945; Pt. 10, Casper, Wyoming, Sept. 3 and 4, 1945, Grand Junction, Colorado, Sept. 6 and 7, 1945; Pt. 20, Washington, D. C., Sept. 20 and Nov. 27 and 28, 1945, p. 5295-6053. Washington, 1946.

14609 WARBASSE, J. P. The cooperative way; a method of world reconstruction. 124 p. N. Y., Barnes & Noble, 1946. 280.2 W19Cw

14610 ZELAYA, J. M. Agriculture in Nicaragua. 43 p. Washington, D. C., Pan Amer. Union, Div. of Agr. Coop., 1945. (Amer. Agr. Ser.) Ref. 150.9 Am33

#### AGRICULTURAL ENGINEERING

14611 BAKER, L. N. Farm and home frozen food cabinets. 14 p. n. p., 1944. 389.3 B17

14612 EDISON ELECTRIC INSTITUTE, COMMERCIAL PLANNING COMMITTEE. Report...Section III. Rural electrification. 14 p. N. Y., 1945. 335 Ed42

14613 MORRISON, I. G. Farm tractor maintenance. 202 p. Danville, Ill., Interstate, 1946. 58 M83F

#### AGRICULTURAL PRODUCTS; PROCESSING, DISTRIBUTION, AND STATISTICS

14614 BARNWELL, M. G. Cotton magic; the elementary principles of cotton manufacture. 114 p. Clinton, S. C., Jacobs, 1945. 304 B26C

14615 BRAZIL, DEPARTAMENTO NACIONAL DO CAFÉ. SEÇÃO DE ESTATÍSTICA. Cultura de café no Brasil: ensaio de corografia estatística. III. Estado do Rio (levantamento de 1942). 231 p. Rio de Janeiro, 1945. 255.3 C112

14616 CHARLES, T. B., and STUART, H. O. Commercial poultry farming. Ed. 5, 544 p. Danville, Ill., Interstate, 1946. 47 C382

14617 COTTON TRADE JOURNAL, EDUCATIONAL DEPT. Cotton bibliography; selected readings for use in schools and libraries in connection with the "From Field to Loom" Cotton Educational Program, inaugurated in the schools of the South. 60 p. Memphis, 1944. 241 C82

14618 DMOCHOWSKI, L. Food conditions in occupied Poland; analysis of the German food-rationing system in Poland. 92 p. London, Polish Min. of Labour and Social Welfare, 1945. 389 D64

Includes the nutritional value of the food rations.

14619 EDWARDS, C. D., ed. A cartel policy for the United Nations. 124 p. N. Y., Columbia U. Press, 1945. 286 Ed92C

Some reference is made to cartels in agricultural products, for which the index should be consulted.

14620 NASH, B. Developing marketable products and their packagings. 404 p. N. Y., McGraw-Hill, 1945. Ref., p. 383-387. 280.3 N17

Contains reference to canned, frozen, and dehydrated foods, for which the index should be consulted.

14621 NATIONAL PAPER BOX MANUFACTURERS ASSOCIATION. POST WAR PLANNING COMMITTEE. Post war market, sales and industrial progress survey of the textile industries...with special attention to packaging problems, ed. by W. C. Moore. 24 p., processed. Philadelphia, Moore, 1945. 280.12 N2142

Includes Post War Outlook for the Textile Industry, by F. D. Fowle, p. 5-6.



- 14622 SAGARIN, E. The science and art of perfumery. 268 p. N. Y., McGraw-Hill, 1945. 30¢ Sal  
Contains discussion of essential oils.

## ANIMAL INDUSTRY

- 14623 HORLACHER, L. J., and HAMMONDS, C. Sheep. Ed. 2, rev., 348 p. Danville, Ill., Interstate, 1945. 45 H78S
- 14624 MOFFIT, E. B. The cocker spaniel, companion, shooting dog and show dog; complete information on history, development, characteristics, standards for field trial and bench with some practical advice on training, raising and handling. Rev. and enl. ed., 280 p. N. Y., Orange Judd, 1946. 45 M72C

## ENTOMOLOGY

- 14625 BRUES, C. T. Insect dietary; an account of the food habits of insects. 466 p. Cambridge, Mass., Harvard U. Press, 1946. 422 B835I
- 14626 SÉGUY, E. Insectes ectoparasites (mallophages, anoploures, siphonaptères). 684 p. Paris, Lachevalier, 1944. Ref. (Fédération Française des Sociétés de Sciences Naturelles. Office Central de Faunistique. Faune de France, 43) 411 F273
- 14627 U. S. NAVY DEPARTMENT. BUREAU OF MEDICINE AND SURGERY. Epidemiology of diseases of naval importance in Formosa. 100 p. Washington, 1944. 153.46 Epl22
- Have also supplement of 39 p.  
Includes arthropod-borne diseases and checklists of Culicidae, ticks, and rodents.

## FOOD AND HUMAN NUTRITION

- 14628 BOUTHILLIER, L. P. The amino acid deficiencies of soybean protein. 6 p. Urbana, Ill., 1945. 387.1 B663
- Abstract of thesis, University of Illinois.
- 14629 DEWEY, L. Cosmopolitan cookery; 440 recipes from 35 countries. 167 p. Boston, Hale, 1945. 389.25 D363
- 14630 MACY, I. G. Nutrition and chemical growth in childhood. v. 2, 1460 p. Springfield, Ill., Thomas, 1946. 389.1 C43

## FORESTRY

- 14631 CALIFORNIA. FORESTRY STUDY COMMITTEE. The forest situation in California; report to the Legislature. 189 p. Sacramento, Calif. State Print. Off., 1945. 99.61 C123
- 14632 MINNESOTA. INTERIM FORESTRY COMMISSION. Report to the Legislature of the State of Minnesota. 23 p. Saint Paul, 1944. 99.61 M6652

## PLANT SCIENCE

- 14633 AMERICAN GARDEN GUILD. 500 common garden mistakes corrected. 96 p. N. Y., 1945. 90.1 Am3
- 14634 BARIBEAU, B. État de la production des pommes de terre de semence dans le Québec. 15 p. Quebec, Service Fédéral de l'inspection et de la Certification des Pommes de Terre, 1944. 75 Q32
- 14635 DORWARD, M. M. The children's greenhouse. 20 p. Brooklyn, N. Y., Brooklyn Bot. Gard., 1944. 96.05 D73

- 14636 HONIG, P., and VERDOORN, F., eds. Science and scientists in the Netherlands Indies. 491 p. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75

Issued as a special supplement to *Natuurwetenschappelijk Tijdschrift voor Nederlandsch Indië*, v. 102. 514 B31

Articles in this book, except reprints, are listed under subject in the Periodical section of the Bibliography.

- 14637 MURRILL, W. A. Historic foundations of botany in Florida (and America). 51 p. Gainesville, The Author, 1945. 452.6 M96

- 14638 NEW ZEALAND. DEPT. OF AGRICULTURE. HORTICULTURE DIVISION. Fruitgrowing, study course. 84 p. Wellington, Army Ed. Welfare Serv., 1944. 93.29 N48

- 14639 NEW ZEALAND. DEPT. OF AGRICULTURE. HORTICULTURE DIVISION. Vegetable growing, study course. 86 p. Wellington, Army Ed. Welfare Serv., 1943. 91.15 N48

- 14640 NORTH American Flora. v. 28B, pt. 2, p. 161-397. N. Y., N. Y. Bot. Gard., 1945. 454 N48
- Umbelliferae (pars), by M. E. Mathias, and L. Constance; Cornales--Cornaceae, Nyssaceae, by H. W. Rickett; Bibliography, by H. W. Rickett.

- 14641 ORTLOFF, H. S., and RAYMORE, H. B. Garden planning and building, by F. F. Rockwell. Rev. ed., 282 p. Garden City, N. Y., Amer. Gard. Guild, Inc., 1945. 98 Or8

- 14642 RIKLI, M. A. Das pflanzenkleid der Mittelmeerländer. Lfg. 8, p. 785-912. Bern, Huber, 1945. 459.8 R446P
- An ecological study.

- 14643 SEYMOUR, R. L. D., ed. The new garden encyclopedia; a complete, practical and convenient guide to every detail of gardening, including special supplement on Gardening for the small home. 1382 p. N. Y., Wise, 1946. 90.01 Se9

## MISCELLANEOUS

- 14644 COLLINS, F. L. Uncle Sam's billion-dollar baby; a taxpayer looks at the TVA. 174 p. N. Y., Putnam, 1945. 280.002 C69

- 14645 STOCKDALE, SIR F. Development and welfare in the West Indies 1943-44. 115 p. London, Colon. Off., 1945. (Colon. No. 189) 280.9 G793D
- Agriculture, p. 24-33; Forestry, p. 33-35.

- 14646 U. S. BUREAU OF RECLAMATION. Columbia Basin Joint Investigations. Problems 3-5, 7, 9, 13-14, 17, 19, 21, 25. 10 v. Washington, 1945. 156.85 J66

Contents: Problem 3. Insuring proper land use. Problem 4/5. Irrigation water requirements. Problem 7. Special land units. Problem 9. Farm improvement. Problem 13. Allocation of repayment charges by class of land. Problem 14. Financial aid for settlers. Problem 17. Development rate of project lands. Problem 19. Highway development. Problem 21. River transportation. Problem 25. Rural recreational area.

- 14647 U. S. CONGRESS. HOUSE. COMMITTEE ON APPROPRIATIONS. Agriculture Department appropriation bill for 1947. Hearings... 79th Cong., 2d sess. 2039 p. Washington, 1946.

## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

14648 A., N. Lo que la humanidad debe al Jardín Botánico de Kew. *Cult. Mod.* 28: 404. Nov. 1945. 15 C89

14648 ALVARADO SEGOVIA, T. Homenaje filatélico para el banano y el abaca. *Panama, Min. de Agr. y Com. Rev. de Agr. y Com.* 5(51): 38-39. Nov. 1945. 8 R3291

14650 BAER, H., HOLDEN, M., and SEEGL, B. C. The nature of the antibacterial agent from *Anemone pulsatilla*. *J. Biol. Chem.* 162: 65-68. Jan. 1946. 381 J824

14651 BARRETT, M. F. The banyan tree [*Ficus benghalensis*] of Bandar 'Abbas. *N. Y. Bot. Gard. J.* 47: 11-13. Jan. 1946. 451 N48J

14652 BOBKO, E. V., and YAKUSHKINA, N. I. A gravimetric method for determining the activity of growth substances. *Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.)* 48: 132-134. July 20, 1945. 511 P444

14653 BUELL, M. F. Late Pleistocene forests of southeastern North Carolina. *Torrey* 45: 117-118. Dec. 1945. 450 T63

14654 CAMACHO, R. R. Mejores prácticas agrícolas. *Panama, Min. de Agr. y Com. Rev. de Agr. y Com.* 5(51): 13-15. Nov. 1945. 8 R3291

Improved methods of cultivating various field crops and fruit.

14655 CAMPO-DUPLAN, M. VAN. Observations sur une analyse de pollen atmosphérique. *Paris. Acad. des Sci. Compt. Rend.* 220: 856-858. June 11, 1945. 505 P21

14656 CAREY, S. W. Note on cretaceous strata in the Purari Valley, Papua. *Roy. Soc. Victoria. Proc. (n. s.)* 56: 123-130. 1945. Ref. 514 M482

14657 CARVAJAL, F. A superior pith for free-hand sections. *Science* 103: 112. Jan. 25, 1946. 470 Sci2

Pith of mature stalks of *Tetrapanax papyrifera* used.

14658 CASEY, J. Claret cup and prickly pear. *N. Mex. Mag.* 24(2): 18, 37, 39. Feb. 1946. 288.8 N46

Vegetation.

14659 CHRISTIAN, J. E., and NEUBOTH, M. L. A new sterile technic for preparing agar cup-plates. *Science* 103: 172-173. Feb. 8, 1946. 470 Sci2

14660 CLAUS, E. P. Allergenic plants of Puerto Rico. *Pa. Acad. Sci. Proc.* (1945) 19: 134-137. 500 P383

14661 COOKSON, I. C. Records of plant remains from the Upper Silurian and Early Devonian rocks of Victoria. *Roy. Soc. Victoria. Proc. (n. s.)* 56: 119-122. 1945. Ref. 514 M482

14662 DEGER, E. La elección de terrenos en el trópico. *Rancho* 2(3): 12-14. 20. Jan. 1946. 8 R15R

14663 FOSTER, J. H. The Curtis Dogwood Reservation. *Forest Notes* 9(3): 19-20. Dec. 1945. 99.8 F7691

Near Wilton, N. H., established Sept. 22, 1945.

14664 GANAPATHI, K. Penicillin. *Ind. J. Pharm.* 7: 93-103. July/Sept. 1945. 396.8 In23

14665 GODWIN, H. A submerged peat bed in Portsmouth harbour. Data for the study of post-glacial history. IX. *New Phytol.* 44: 152-155. Dec. 1945. 450 N42

14666 GREEN, C. H. From the Orient to Dixie. *Nature Mag.* 39: 69-71. Feb. 1946. 409.6 W214

Migration of the Chinaberry tree, *Melia azedarach*.

14667 GUILLAUMIN, A. La destruction des collections de plantes de serres du Muséum par le froid. *Paris. Mus. Natl. d'Hist. Nat. B.* 17: 153-154. Feb. 1945. 410.9 P213

14668 HARDY, E. Natural history progress in Palestine. *Palestine Tribune* 1(37): 6-8. Oct. 11, 1945. 280.8 P172

Chiefly an account of botanical history.

14669 HARPER, R. M. Some 19th century recollections of New York and its botanical activities. *Torrey* 45: 97-103. Dec. 1945. 450 T63

14670 INDIANA. DEPT. OF PUBLIC INSTRUCTION. Conservation of plants. *Ind. Dept. Pub. Instr. B.* 173, 40 p. Indianapolis, 1945. 275.9 In2B

14671 KRASIL'NIKOV, N. A., and KORENIAKO, A. I. Antibakterial'nye svoistva gribaka *Aspergillus niger* (Antibacterial peculiarities of *Aspergillus niger*). *Mikrobiologiya* 14: 347-352. 1945. 448.3 M582

English summary.

14672 KRISS, A. E. Sushchnost' bakteriofagi (The nature of bacteriophagy). *Priroda* 34(1): 36-48. 1945. 410 P933

14673 LEON, J. Notas sobre la labor botánica de don Alberto M. Brenes. *Inst. de Defensa del Café de Costa Rica. Rev.* 15: 526-527. Oct. 1945. 68.28 C82

14674 LOVELL, P. Britain's wonder garden [Kew Gardens]. *Canad. Hort. & Home Mag., Floral Ed.* 9 (1): 9-10. Jan. 1946. 80 C16F

14675 MISSOURI BOTANICAL GARDEN. Fifty-seventh annual report, 1945. *Mo. Bot. Gard. B.* 34: 1-36. Jan. 1946. 451 M69B

14676 MOHLER, L. L. State parks and wildlife plantings. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 392-402. 2 N27R

14677 MONCURE, R. C. Agricultural collaboration in Nicaragua. *Agr. in the Americas* 6(1): 10-11, 14. Jan. 1946. 1 F752A

Improvement and introduction of new crops developed by the Agricultural Experiment Station at El Recreo.

14678 MORTON, H. E., and others. Toxicity and antibiotic activity of kojic acid produced by *Aspergillus luteo-virescens*. *J. Bact.* 30: 579-584. Nov. 1945. 448.3 J82

W. Kocholaty, R. Junowicz-Kocholaty, and A. Kelner, joint authors.

14679 NANDI, P. Antibacterial substances from moulds. *Sci. and Cult.* 11: 290-293. Dec. 1945. 475 Sci24

14680 WEISHTADT, M. I. Rabota Tsentral'noy Torfianoi Opytnoi Stanitsy Narkomzema za gody Otechestvennoi voyny (Sur le travail de la Station Centrale pour les recherches sur la tourbe pendant les ans de la guerre). *Sovet. Bot.* 13(1): 72-76. 1945. 450 S08

14681 PIPAL, F. J. The Omaha park board plans an arboretum. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 383-386. 2 N27R

14682 PONTECORVO, M. Ricerca dell'attività antibiotica in un gruppo di miceti. *Soc. Ital. di Biol. Sper. B.* 20: 412-414. June/July 1945. 442.8 S012

*Actinomyces*, *Aspergillus*, and *Penicillium*.

14683 PURI, G. S. The genus *Quercus* in the Karewa deposits of Kashmir, with remarks on the oak forests of the Kashmir Valley during the Pleistocene. *Indian Acad. Sci. Proc. Sect. B.* 22: 232-254. Oct. 1945. 513 In25B

14684 PURI, G. S. Some fossil leaflets of *Aesculus indica* Colebr. from the Karewa beds at Laredura and Ningal Nullah, Fir Panjal, Kashmir. *Indian Bot. Soc. J.* 24: 147-151. Aug. 1945. 450 J821



14685 PURI, G. S. Some fossil leaves of *Litsea lanuginosa* Ness. from the Karewa beds at Liddermarg, Pir Panjal, Kashmir. Indian Bot. Soc. J. 24: 95-100. Aug. 1945. 450 J821

14686 SOLONEVICH, K. I. O ply'tsevom issledovanii Tolpolovskogo pozdnelednikovogo profil'a (Sur l'analyse de pollen trouvé dans les marais de Tolpolovo). Sovet. Bot. 13(2): 38-45. 1945. Ref. 450 So8

In the Leningrad district.

14687 STEVENS, O. A. How plants and animals get their names. N. Dek. Agr. Expt. Sta. Bimo. B. 8(2): 9-13. Nov./Dec. 1945. 100 N813B

Chiefly use of scientific and common names in botany.

14688 STRICKLAND, J. C. A culture method for certain marine algae. Science 103: 112-113. Jan. 25, 1946. 470 Sci2

14689 VECCHIO, G. DEL, VECCHIO, V. DEL, and ARGENZIANO, R. Su proprietà antibiotiche di alcuni stipti di *Penicillium* (Link). I-III. Soc. Ital. di Biol. Sper. B. 20: 106-111. Jan./Mar. 1945. 442.8 Sci2

I. Principio antibiotico del *Penicillium notatum*; II. Estrazione e ricerche chimiche sul principio antibiotico del *P. notatum*; III. Potere antibiotico di uno stipte di *Penicillium*.

14690 WALKER, L. W. *Aristolochia* -- booby trap for insects. Nature Mag. 39: 76-77. Feb. 1946. 409.6 N214

14691 WENT, F. W. The Tjibodas Biological Station and Forest Reserve. I. A naturalist's paradise. In Honig, P., and Verdoorn, F., eds., Science and scientists in the Netherlands Indies, p. 403. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75

14692 WHITE, O. E. The germination of peas in Florida and King Tut's tomb. Turtox News 24: 6-8. Jan. 1946. 442.8 T86

Reply to unsigned article "Peas from King Tut's tomb flourish in Florida." Turtox News 23: 107-108. July 1945.

14693 WILKINS, W. H. Investigation into the production of bacteriostatic substances by fungi; cultural work on basidiomycetes. Brit. Mycol. Soc. Trans. 28: 110-114. Nov. 1945. Ref. 451 B76

14694 WITTROCK, G. L. What is a toadstool? Organic Gard. Ser. 8(3): 44-47. Feb. 1946. 56.8 Or3

14695 WOODWARD, H. R. Evidences of *Sequoia magnifica* in the Black Hills. N. and S. Dak. Hort. 19(1): 8. Jan. 1945. 81 N817

The most important fossil form of *Sequoia*.

14696 ZAYAS-BAZÁN Y PERDOMO, H. Apuntes para la historia de la botánica en Cuba. Soc. Cubana de Bot. Rev. 2: 135-136. (Cont.) Sept./Oct. 1945. 451 Sol23

14697 ZEROV, D. K. Problema profiskhozheniya arkhgoniatnykh rastenii (Sur le problème de l'origine des plantes archégoniales). Sovet. Bot. 13(1): 1-13. 1945. Ref. 450 So8

#### SYSTEMATIC AND GEOGRAPHIC BOTANY

##### General

14698 BENOIST, R. Contribution à la connaissance de la flore de la Guyane française. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 17: 65-69. Jan. 1945. 410.9 P213

Includes *Gnetum melinonii* n. sp.

14699 BERNARD, C. J. Le Jardin Botanique de Buitenzorg et les institutions de botanique appliquée aux Indes Néerlandaises. In Honig, P., and Verdoorn, F., eds., Science and scientists in the Netherlands Indies, p. 10-15. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75

14700 SMITH, M. W. A biological reconnaissance of ponds in the Prince Edward Island National Park. Acadian Nat. 2: 81-101. Jan. 1946. 410.9 N42A

Includes list of Spermatophyta and Algae.

14701 SOCHAVA, V. B. Plenarnye zasedaniya Pos-toiannoi komissii po istorii flory i rastitel'nosti SSSR (1-4 nojabrija 1944 g.) (Séances de la Commission sur l'histoire de la flore et de végétation de l'URSS). Sovet. Bot. 13(1): 76-80. 1945. 450 So8

14702 WENT, F. A. F. C., and WENT, F. W. A short history of general botany in the Netherlands Indies. In Honig, P., and Verdoorn, F., eds., Science and scientists in the Netherlands Indies, p. 390-402. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75

##### Spermatophytes

14703 AMMON, W. A. Die grosse weisserle [*Alnus incana*] in Thun. Schweiz. Z. f. Forstw. 90: 372-373. Dec. 1945. 99.8 Sch9

14704 BARNES, C. T. The plant Clear-eye or See-bright [*Salvia sclarea*] a new record for Utah. Great Basin Nat. 6: 128. Nov. 15, 1945. 410 G79

14705 BINGAMAN, J. W. An unusual snow plant [*Sarcodes sanguinea*]. Yosemite Nature Notes 25: 51. Feb. 1946. 409.6 Y8

14706 BISWAS, K. Cultivation and systematic study of the tung oil yielding trees, *Aleurites*, in India. J. Sci. and Indus. Res. 4: 260-272. Nov. 1945. 475 J82

14707 FELIX, H. J. Sur la présence au Cameroun d'un genre [*Linariopsis*] sud-africain de Pedaliaceae. Paris. Acad. des Sci. Compt. Rend. 221: 305-307. Sept. 1945. 505 P21

14708 GOODSPEED, T. H. Chromosome number and morphology in *Nicotiana*. VII. Karyotypes of fifty-five species in relation to a taxonomic revision of the genus. Calif. U. P. Bot. 18: 345-367. 1945. 500 Cl25B

14709 GOODSPEED, T. H. Studies in *Nicotiana*. III. A taxonomic organization of the genus. Calif. U. P. Bot. 18: 335-344. 1945. 500 Cl25B

14710 GOPINATH, D. M. A contribution to the embryology of *Alangium lamarckii* Thw. with a discussion of the systematic position of the family Alangiaceae. Indian Acad. Sci. Proc., Sect. B 22: 225-231. Oct. 1945. 513 In25B

14711 H., V. *Cotyledon oppositifolia*. Roy. Hort. Soc. J. 70: 364-365. Dec. 1945. 84 L84J

Includes discussion of nomenclature.

14712 JACQUET, J. Nouvelle extension de la spartine de Townsend, [*Spartina townsendii*], dans la baie du Mont-Saint-Michel. Paris. Acad. des Sci. Compt. Rend. 221: 311-312. Sept. 1945. 505 P21

14713 KRAINZ, H. Neue und seltene kaktéen aus der städtischen sukkulenten-sammlung Zürich. (Cont.) Schweiz. Gart., No. 8, p. 225-228. Aug. 1945. 80 Sch93

14714 LAVRENKO, E. M. O pozit'ii lugovogo kanarechnika na Ferganskom khrebtie (De la position de *Digraphis arundinacea* (L.) Trin. sur les montagnes Fergana). Sovet. Bot. 13(2): 46-50. 1945. Ref. 450 So8

14715 LEAL, A. DOS S. *Aleurites montana* (Lour.) F. H. Wilson, "abrasin". São Paulo. Sec. da Agr., Indus. e Com. B. de Agr. (ser. 44) 1943: 267-272. 1945. 9.2 Sa63

14716 MOLDENKE, H. N. A contribution to our knowledge of the wild and cultivated flora of Delaware. I. Torreya 45: 106-109. Dec. 1945. 460 T63

14717 MUKERJEE, S. K. A revision of the Indo-Burmese species of *Lindernia allioni*. Indian Bot. Soc. J. 24: 127-134. Aug. 1945. 450 J821

14718 NICROLLS, W. H. A superb western sun-orchid [*Thelymitra variegata*]. Victorian Nat. 62: 146-148. Dec. 1945. 410 V66



14719 PENNELL, F. W. The genus *Calceolaria* in southeastern Peru. Phila. Acad. Nat. Sci. (1945) 97: 137-177. 500 P53

14720 PONCE DE LEÓN, A. La denominación científica de los zapotes *Achras zapota*. Soc. Cubana de Bot. Rev. 2: 116-122. Sept./Oct. 1945. 451 Sol23

14721 SIMPSON, G. Notes on some New Zealand plants and descriptions of new species (No.4). Roy. Soc. New Zeal. Trans. and Proc. 75: 187-202. Sept. 1945. 514 W46

14722 SIMPSON, G. A revision of the genus *Carmichaelia*. Roy. Soc. New Zeal. Trans. and Proc. 75: 231-286. Sept. 1945. 514 W46  
Includes 14 new species.

14723 WHEELER, L. C. Earlier names for several Californian vascular plants. South. Calif. Acad. Sci. B. 44: 92-95. Sept./Dec. 1945. 500 So8

14724 WILLIS, J. H. Among alpine flowers on the Barry Mountains, Cobbler, Stirling and Buller. Victorian Nat. 62: 132-140. Dec. 1945. 410 V66

#### Pteridophytes

14725 FETCH, T. *Stilbum tomentosum* Schrad. Brit. Mycol. Soc. Trans. 28: 101-109. Nov. 1945. Ref. 451 B76

#### Bryophytes

14726 HABEES, H. Musci Novi Brunsvici. Fascicule III. Acadian Nat. 2: 122. Jan. 1946. 410.9 M42A

14727 JOVET, P. Révision de quelques muscinées du Valois (V). Paris. Mus. Natl. d'Hist. Nat. B. 17: 155-161. Feb. 1945. 410.9 P213

14728 SAINSBURY, G. O. K. New and critical species of New Zealand mosses. Roy. Soc. New Zeal. Trans. and Proc. 75: 169-186. Sept. 1945. 514 W46  
Includes n. g.: *Bryodixonia*.

#### Algae

14729 ALLEN, W. E. Seasonal occurrence of marine plankton diatoms off southern California in 1938. Calif. U. Scripps Inst. Oceanography. B. 5: 293-334. Mar. 8, 1945. 442.9 C12T

14730 ALLEN, W. E. Vernal distribution of marine plankton diatoms off shore in southern California in 1940. Calif. U. Scripps Inst. Oceanography. B. 5: 335-370. Aug. 1945. 442.9 C12T

14731 BERG, Å. Diatomeen von der Sophia-expedition im Jahre 1883. Arkiv för Bot., v. 32A, No. 1, 3<sup>rd</sup> p. Aug. 28, 1945. 451 Sv2

14732 DAWSON, E. Y. New and unreported marine algae from southern California and northwestern Mexico. South. Calif. Acad. Sci. B. 44: 75-91. Sept./Dec. 1945. 500 So8

New spp. in *Rhodoglossum*; *Gigartina*; *Chondria* 3; *Lomentaria*; *Ectocarpus*.

14733 FREMY, P. Étude d'une petite collection d'algues d'eau douce de la Guinée française. Paris. Mus. Natl. d'Hist. Nat. B. (ser. 2) 17: 70-76, 162-165. Jan.-Feb. 1945. 410.9 P213

Includes new species.

14734 LANG, W. B. Algae in the Carlsbad Caverns, New Mexico. Science 103: 175-176. Feb. 8, 1946. 470 Sci2

14735 LEAKE, D. V. New records of desmids in Oklahoma. Okla. Acad. Sci. Proc. (1944) 25: 22-24. 1945. 500 OK42

14736 LUND, J. W. G. Observations on soil algae. I. The ecology, size and taxonomy of British diatoms. New Phytol. 44: 196-219. Dec. 1945. 450 N42

14737 SAMPAIO, J. Sinopse das desmídias conhecidas na flora portuguesa. Brotéria 13: 5-24, 88-130; 14: 128-148. Feb., June 1944, Aug. 1945. 410 B790

14738 SVEDELIUS, N. Critical notes on some species of *Galaxaura* from Ceylon. Arkiv för Bot., v. 32A, No. 6, 74 p. Nov. 16, 1945. 451 Sv2  
References, p. 71-74.

#### Fungi (Including Lichens)

14739 ANDERSSON, O. Utbredningen av *Schizophyllum commune* Fr. och *Trogia crispa* (Pers.) Fr. i Fennoscandia s. str. (The distribution of *Schizophyllum commune* Fr. and *Trogia crispa* (Pers.) Fr. in Fennoscandia s. str.). Friesia 3: 129-142. 1945. 450 F91

English summary.

14740 BJØRNEKAER, K. *Tremella mesenterica* (Retz.) Fr. paa naaletrae. Friesia 3: 147. 1945. 450 F91

Occurrence on red spruce.

14741 BROUWER, I. Over het voorkomen van de zwam *Pithya* [Pitya] *cupressi* (Batsch) Funckel in Nederland. Tijdschr. over Plantenziekten 51: 54-55. 1945. Ref. 464.8 T44

14742 BUCHWALD, N. F. *Geaster triplex* 1 "regaardsparken" i København. Friesia 3: 149. 1945. 450 F91

14743 BULOW, K. Mykofloristiske iagttagelser fra Vestjylland. Friesia 3: 102-106. 1945. 450 F91

14744 DEHN, E. Hvid karbol-champignon (*Psal-liota xanthoderma* (Gen.) Rich. et Roze). Friesia 3: 149. 1945. 450 F91

14745 DOYER, L. C. *Ustilago tragopogonis* Schroet. en *U. scorzonarae* (Alb. et Schw.) Schroeter. Tijdschr. over Plantenziekten 51: 24-26. 1945. 464.8 T44

14746 HANSEN, E. B., and MØLLER, F. H. *Clitocybe verrucipes* (Fr.) Maire (rufodet traghat) i Danmark. Friesia 3: 101. 1945. 450 F91  
Clitocybe verrucipes in Denmark.

14747 HENRY, L. K. New or noteworthy fungi from western Pennsylvania. Pa. Acad. Sci. Proc. (1945) 19: 143-146. 500 P383

14748 JOHANSEN, G. *Monilinia fructigena* (Aderh. & Ruhl.) Honey i Danmark (*Monilinia fructigena* (Aderh. et Ruhl.) Honey in Denmark). Friesia 3: 111-114. 1945. Ref. 450 F91  
English summary.

14749 JOHANSEN, A. E. A new mycelioid chytrid: *Myceliocytrium fulgens* gen. nov. et sp. nov. Torrey 45: 104-105. Dec. 1945. 450 T63

14750 MAGNUSSON, A. H. Hawaiian lichens. III. The families *Usneaceae* to *Physciaceae*. Arkiv för Bot., v. 32A, No. 2, 89 p. Aug. 28, 1945. 451 Sv2

14751 MARTIN, G. W. The genus *Aspergillus*. Science 103: 116-117. Jan. 25, 1946. 470 Sci2

14752 MØLLER, F. H. En ny *Crepidotus*-art, *Crepidotus cinnabarinus* Møll. et Westerg. sp. n. cinnobarfarvet muslingsvamp [A new species of *Crepidotus*, *C. cinnabarinus* Møll. et Westerg. sp. n., a cinnabar colored agaric]. Friesia 3: 94-95. 1945. 450 F91

14753 MØLLER, F. H. Nyere fund of *Hypocrea alutacea*. Friesia 3: 149. 1945. 450 F91  
New locality for *Hypocrea alutacea*.

14754 FELTIER, G. L., and BECKORD, L. D. Sources of amylase-producing bacteria. J. Bact. 50: 711-714. Dec. 1945. Ref. 448.3 J82

14755 PONCE DE LEÓN, P. Los hongos en el Jardín Botánico. Soc. Cubana de Bot. Rev. 2: 123-128. Sept./Oct. 1945. 451 Sol23

14756 SERPEN, E. Ouidado con las setas silvestres. Cult. Mod. 28: 405-406. Nov. 1945. 15 C89

14757 TERKELSEN, F. Sjaeldnere svampfund i 1944 (Notes on rare Agarics in Denmark). Friesia 3: 107-110. 1945. 450 F91  
English summary.



14758 WATERHOUSE, G. M. The true nature of *Myrioblepharis Thaxteri*. Brit. Mycol. Soc. Trans. 28: 94-100. Nov. 1945. Ref. 451 B76

14759 WICKERHAM, L. J., and DUPRAT, E. A remarkable fission yeast, *Schizosaccharomyces versatilis* nov. sp. J. Bact. 30: 597-607. Nov. 1945. 448.3 J82

14760 WILKINSON, E. H. Observations on the perennial canker fungus, *Gloeosporium perennans* Zeller & Childs. Brit. Mycol. Soc. Trans. 28: 77-85. Nov. 1945. Ref. 451 B76

14761 WINGE, Ø. *Hydnum septentrionale* Fr. Friesia 3: 147-148. 1945. 450 F91

## **PATHOLOGY**

### **General**

14762 ANDERSON, M. E. Two new wilt-resistant pea varieties for processors. Canner 102(6): 22. Jan. 26, 1946. 286.83 C16  
Rogers Early Perfection and Thomas Laxton No. 251.

14763 ARANGO Y MESTRE, O. Manera de combatir los principales insectos y enfermedades que afectan al cultivo de los frijoles. Cuba. Min. de Agr. Rev. 28(4): 52-53. Oct./Dec. 1945. 8 Ag88Re

14764 BECERRA AGUDELO, M. DE J. Otras plagas y accidentes del manzano. Agr. Trop. 1(11): 48. (Cont.) Dec. 1945. 26 Ag8  
Includes weather injuries.

14765 BEDWELL, R. J., JR. Dormant sprays [for fruit trees]. Ala. Farmer 24(2): 8, 13. 1946. 276.8 AL1

14766 BEILMANN, A. P. Some fungus diseases and insects of evergreens. Mo. Bot. Gard. B. 33: 221-223. Dec. 1945.

14767 BRYDEN, J. D., and LINDSAY, E. J. Observations on frost injury in peaches at Bathurst Experiment Farm, season 1944-45. Agr. Gaz. N. S. Wales 56: 553-555. Dec. 1, 1945. 23 N472

14768 CANTERBURY AGRICULTURAL COLLEGE, LINCOLN. Disease in turnips and related crops. Canterbury Chamber of Commerce. Agr. B. 197. 3 p. Christchurch, 1945. 23 C162

14769 CHESTER, K. S. Know your plant diseases. Successful Farming 44(2): 31, 70-72. Feb. 1946. 6 S12

14770 D., R. H., and C., E. S. Stem rot infection: sweet potatoes. N. J. Agr. Expt. Sta. Plant Dis. Notes 22: 41-44, processed. Nov. 1945. 464.9 N46P

14771 DAVISON, J. R. Frost damage in the orchard. Tasmanian Fruitgrower & Farmer 21(270): 10. Dec. 20, 1945. 23 T185

14772 DENMARK. STATENS FORSØGSMAGASIN I PLANTETUKULTUR. Specialrapport til bekaempelse af plantesygdomme og skadedyr anerkendte af Statens forsøgsmagasin, 1945, 11 p. København, 1945. 464.41 D41

Control of plant diseases and pests.

14773 DIMOCK, A. W. Importance of disease control on young plants. N. Y. Agr. Col. Ext. Facts for Florists, Oct. 31, 1945, p. 3-4. 275.29 N48Faf

14774 GROVES, A. B. Choose a sulfur fungicide for the particular job. Va. Fruit 34: 36-40. Jan. 1946. 81 V81B

14775 HARRISON, A. L. Fungicide sprays for tomatoes and cucumbers. Tex. Farming and Citric. 22(7): 8. Jan. 1946. 80 T31

14776 HOWLAND, J. E. Foliage dieback: a serious disease of greenhouse snapdragons. N. Y. Agr. Col. Ext. Facts for Florists, Oct. 31, 1945, p. 1-2. 275.29 N48Faf

Cause unknown and the condition has not been produced experimentally.

14777 HURT, R. H. Incompatibility of fungicides with DDT. Va. Fruit 34: 119-122. Jan. 1946. 81 V81B

14778 KALTON, R. R., and ELDRIDGE, J. C. The effect of simulated hail injury to soybeans. Soybean Digest 6(3): 14-15. Jan. 1946. 60.38 S09

14779 KRUG, H. P. Conceição moderna sobre a origem dos cafés duros. Rev. de Agr. Piracicaba, 20: 416-426. Sept./Dec. 1945. 9.2 R324  
Theories as to cause.

14780 LEWIS, H. C. Spray injury from zinc-lime sulfur in central California. Calif. Citrog. 31: 112. Feb. 1946. 80 C125

14781 LIVINGSTON, J. E. Corn diseases. Nebr. State Bd. Agr. Ann. Rpt. 1945: 181-186. 2 N27R

14782 MACHADO, A. A. Como coletar e remeter plantas, órgãos ou partes vegetais praguejadas para exame de moléstia. Pernambuco. Sec. de Agr., Indús. e Com. B. 12: 170-173. July/Sept. 1945. 9.2 P423  
Includes insects.

14783 MARSH, P. B. Salts as antidotes to copper in its toxicity to the conidia of *Sclerotinia fructicola*. Cornell U. Abs. Theses 1944: 192. 1945. 241.8 C81

14784 MIR, R. M. Sulfatadas de invierno en los frutales. Cult. Mod. 28: 406-407. Nov. 1945. 15 C89

14785 MOORE, F. J. A comparison of *Fusarium avenaceum* and *Fusarium caeruleum* as causes of wastage in stored potato tubers. Ann. Appl. Biol. 32: 304-309. Nov. 1945. Ref. 442.8 An72

14786 MOORE, W. C. New and interesting plant diseases. 16-22. Brit. Mycol. Soc. Trans. 28: 127-133. Nov. 1945. Ref. 451 B76

14787 MORWOOD, R. B. Peanut diseases. Queensland Agr. J. 61: 266-271. Nov. 1945. 23 Q33

14788 NEW SOUTH WALES. DEPT. OF AGRICULTURE. BIOLOGICAL BRANCH. Diseases of potatoes. N. S. Wales. Dept. Agr. Biol. Branch. Plant Dis. Leaflet 88, 8 p. Sydney, n.d. 464.9 N47

14789 NUSBAUM, C. J. Internal cork, a new disease of sweet potato of unidentified cause. Phytopathology 36: 18-23. Jan. 1946. 464.8 P56

14790 NYSTÉRAKIS, F. Phytohormones et court-noué de la vigne. Paris. Acad. des Sci. Compt. Rend. 221: 54-56. July 1945. 505 P21

14791 PERRET, C. Quelques observations nouvelles au sujet de l'épuration des cultures de pommes de terre. Pomme de Terre Franç. 8(74): 7-8. Oct. 1945. 75.8 P77

14792 POL, P. H. VAN DE. Vorstbeschadiging aan appel en peer. Tijdschr. over Plantenziekten 51: 53. 1945. 464.8 T44

14793 POMERLEAU, R. The problems of forest pathology in Quebec. Forestry Chron. 21: 266-280. Dec. 1945. Ref. 99.8 F7623

14794 POTTER, J. M. S. Simple precautions to assist in preventing frost damage to fruit crops in small gardens. Roy. Hort. Soc. J. 71: 23-27. Jan. 1946. 84 L84J

14795 REID, W. D., and TAYLOR, G. G. Control of halo-blight [*Pseudomonas medicaginis*] and anthracnose [*Colletotrichum lindemuthianum*] of beans. New Zeal. J. Sci. and Technol. Sect. A, Agr. 27: 90-93. Aug. 1945. 514 N48A

14796 RUEST, C. Enfermedades del café. Rancho 2(3): 18-20. Jan. 1946. 8 R15R  
*Stephanoderes hampei* and *Omphalia flavida*.

14797 RYAN, R. W. Gladiolus pests and diseases. North Amer. Gladiolus Council. B. 4, p. 12-13. Dec. 1945. 96.43 N61

14798 SCHULTZ, E. F. Algunas observaciones sobre la podredumbre de las raicillas del naranjo agrio injertado. Tucumán, Estac. Expt. Agr. B. 54, 22 p. Tucumán, 1945. 102.5 T79B



14799 SINGH, S. A. Bird nuisance in orchards. Punjab Fruit J. 9: 165-168. Oct. 1945. 80 P962

14800 SUDDS, R. H. Orchard seedlings. Pa. Farmer 134: 22. Jan. 12, 1946. 6 P383  
Use of 2, 4-D in the orchards.

14801 TAMARGO, M. A. Producción de plantas resistentes a las enfermedades. Cuba. Min. de Agr. Rev. 28(4): 75-76. (To be cont.) Oct./Dec. 1945. 8 Ag88Re

14802 TAYLOR, G. G. Experiments with spray treatments for control of diseases and pests of raspberries. New Zeal. J. Sci. and Technol. Sect. A, Agr. 27: 83-90. Aug. 1945. 514 N48A

14803 A "TRISTEZA" dos citruss. Agr. e Pecuária 16(268/269): 54-56. Aug./Sept. 1945. 9.2 Ag89

14804 VINE, R. Science against disease; testing sprays and dusts in aid of the farmer. New Zeal. Farmer 66(16): 10-11. Oct. 4, 1945. 23 N848

14805 WHITE, N. H. Some popular misconceptions concerning plant diseases. Tasmanian J. Agr. 16: 157-159. Nov. 1, 1945. 23 T182T

14806 WHITE, N. H. Wilt diseases of plants. Tasmanian J. Agr. 16(1): 17-19. Feb. 1, 1945. 23 T182T

#### Diseases Caused by Fungi

14807 ARNDT, C. H. Effect of storage conditions [of cotton seed] on survival of *Colletotrichum gosypii*. Phytopathology 36: 24-29. Jan. 1946. Ref. 464.8 P56

14808 CALVERT, E. L., and MUSKETT, A. E. Blind-seed disease of rye-grass (*Phiala temulenta* Prill. & Delacr.). Ann. Appl. Biol. 32: 329-343. Nov. 1945. Ref. 442.8 An72

14809 COCHRANE, V. W. Studies on the common leaf rust of cultivated roses, caused by *Phragmidium mucronatum* (Fr.) Schlecht. Cornell U. Abs. Theses 1944: 189-191. 1945. 241.8 C81

14810 CORREA LUNA, N. La peronospora y el polvillo de la vid. Uruguay Min. de Ganad. y Agr. B. Inform. 2: 441-442. Nov. 22, 1945. 9.9 G15B

14811 D. The worst disease of vegetables; how to get rid of club root. Pop. Gard. 47: 355. Jan. 5, 1946. 80 G1622

14812 DAS GUPTA, S. N., and ZACHARIAH, A. T. Studies in the diseases of *Mangifera indica* Linn. V. On the die-back disease of the mango tree. Indian Bot. Soc. J. 24: 101-118. Aug. 1945. 450 J821  
*Botryodiplodia theobromae*, *Phoma*, and *Fusarium*.

14813 FELTON, M. W., and WALKER, J. C. Environmental factors affecting downy mildew (*Peronospora parasitica*), of cabbage. J. Agr. Res. 72: 69-81. Jan. 15, 1946. 1 Ag84J

14814 FIGHTING fungi--Trichoderma against Rhizoctonia. By I. C. Bigg. Calif. Citrog. 31: 114, 140-142. Feb. 1946. 80 G125  
Pseudonym for Dr. H. S. Fawcett.

14815 FULLER, W. H., and NORMAN, A. G. Biochemical changes involved in the decomposition of hemp bark by pure cultures of fungi. J. Bact. 50: 667-671. Dec. 1945. Ref. 448.3 J82  
*Alternaria*, *Cephalosporium*, and *Fusarium*.

14816 GLYNNE, M. D., DION, W. M., and WEIL, J. W. The effect of eyespot (*Cercospora herpotrichoides* Fron.) on wheat and the influence of nitrogen on the disease. Ann. Appl. Biol. 32: 297-303. Nov. 1945. Ref. 442.8 An72

14817 GORMAN, L. W. Further investigations of blind-seed disease of perennial rye-grass. New Zeal. J. Sci. and Technol. Sect. A, Agr. 27: 98-104. Aug. 1945. 514 N48A

14818 GOTTILIEB, S., and MARSH, P. B. Quantitative determination of phenolic fungicides. Indus. and Engin. Chem., Analyt. Ed. 18(1): 16-19. Jan. 1946. 381 J825A

14819 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Powdery mildew of the vine. Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflet 207, 4 p. London. 1945. 10 G79La

14820 GRODSINSKY, L. El carbon volador [Ustilago tritici] del trigo; un valioso metodo Hindu emplea el sol como fuente de calor para la desinfeccion de la semilla. Chacra 16(182): 10. Dec. 1945. 9 C34

14821 GUYOMARD, L. Sur le mode de contamination du poirier par les conidies de *Venturia pirina* Aderhold. Paris. Acad. des Sci. Compt. Rend. 220: 858-860. June 11, 1945. 505 P21

14822 HAENSELER, C. M. Onion smut. N. J. Agr. Expt. Sta. Plant Dis. Notes 22: 45-48, processed. Dec. 1945. 464.9 N46P

14823 HUGHES, S. J. A leaf spot of mangolds caused by *Pleospora herbarum* (Pers.) Rabenh. Brit. Mycol. Soc. Trans. 28: 91-93. Nov. 1945. Ref. 451 B76

14824 HUGHES, S. J. Studies on some diseases of sainfoin (*Onobrychis sativa*). I. Ring-spot caused by *Pleospora herbarum* (Pers.) Rabenh. Brit. Mycol. Soc. Trans. 28: 86-90. Nov. 1945. Ref. 451 B76

14825 LARGE, E. C. Field trials of copper fungicides for the control of potato blight. Ann. Appl. Biol. 32: 319-329. Nov. 1945. Ref. 442.8 An72

14826 LEACH, J. G., LOWTHER, C. V., and RYAN, M. A. Stripe smut (*Ustilago striaeformis*), in relation to bluegrass [*Poa pratensis*] improvement. Phytopathology 36: 57-72. Jan. 1946. Ref. 464.8 P56

14827 LIVINGSTON, J. E. Scab resistant potato selections. Nebr. State Bd. Agr. Rpt. 1945: 520. 2 N27R

14828 M., W. W. Hemileia vastatrix [on coffee], in India. Planters' Chron. 40: 384-387. Dec. 1, 1945. 22 P693

14829 McMARTIN, A. Fungicidal treatments for improving sugar cane, stands. Sugar 41(2): 36-38. Feb. 1946. 65.8 F11

14830 MUNRO, M. C. D. A root rot of *Cineraria*, and a study of the species of *Phytophthora* concerned. Brit. Mycol. Soc. Trans. 28: 115-126. Nov. 1945. Ref. 451 B76

14831 NATTRASS, R. M. A canker of *Cupressus macrocarpa* in Kenya caused by *Monochaetia unicornis*. East African Agr. J. 11: 82. Oct. 1945. Ref. 24 Ea74

14832 PALMITER, D. H. Cleaning up the apple orchard following a bad scab year. Farm Res. N. Y. State Sta. 12(1): 3, 8. Jan. 1946. 100 N48A

14833 RICHARDS, B. L., JR. Studies on the influence of the apple scab fungus *Venturia inaequalis* (Cke.) Wint.; on the photosynthesis, transpiration and respiration of McIntosh and Baldwin leaves. Cornell U. Abs. Theses 1944: 193-194. 1945. 241.8 C81

14834 RIVEROS, J. E. La peronospora de los viñedos. Vinos, Viñas y Frutas 41: 255-257. Dec. 1945. 9 Ag89

14835 ROODENBURG, J. W. M. Vaet- en voetziekten in amerikaanse anjers. Tijdschr. over Plantenziekten 51: 16-24. 1945. 464.8 T44

14836 ROODENBURG, J. W. M., and BOER, S. DE. Zijn *Cylindrocarpus*soorten parasitar voor *Cyclamen persicum*? Tijdschr. over Plantenziekten 51: 26-27. 1945. Ref. 464.8 T44

14837 SACCA, R. A. Contribuição para o estudo de doenças das plantas citricas, *Phytophthora parasitica* Dest. São Paulo. Sec. de Agr., Indús. e Com. B. de Agr. (ser. 44) 1943: 149-162. 1945. 9.2 Sa63

14838 SIMMONDS, P. M., and SALLANS, B. J. Testing wheat seedlings for resistance to *Helminthosporium sativum*. Sci. Agr. 26: 25-33. Jan. 1946. Ref. 7 Sci2



14839 SMALL, T. The effect of disinfecting and bruising seed potatoes on the incidence of dry rot (*Fusarium caeruleum* (Lib.) Sacc.). *Ann. Appl. Biol.* 32: 310-318. Nov. 1945. Ref. 442.8 An72

14840 SNEEP, J. De Ascochyta-vlekkenziekte van de boon (*Phaseolus*) (The Ascochyta-spot diseases of *Phaseolus*). *Tijdschr. over Plantenziekten* 51: 1-16. 1945. 464.8 Th44  
English summary.

14841 SOUTH AUSTRALIA. DEPT. OF AGRICULTURE. HORTICULTURAL BRANCH. Common fungus diseases...of fruit trees in South Australia. So. Austral. Dept. Agr. J. 49: 158-161. (To be cont.) Nov. 1945. 23 So84

14842 STUBBS, L. L. The control of celery leaf-spot in commercial nurseries. Victoria. Dept. Agr. J. 43: 512-516. Dec. 1945. 23 V665

The late-blight disease, caused by *Septoria apii-graveolentis*.

14843 THIRUMALACHAR, M. J. Ergot on *Pennisetum hohenackeri* Hochst. *Nature* [London], 156: 754. Dec. 22, 1945. 472 N21

14844 VOLOSKY DE HERNANDEZ, D. For qué algunas variedades de trigo son atacadas más que otras por el polvillo? *Agrario* 10(369): 24. Oct. 15, 1945. 9.3 Ag85

14845 WATTS-PADWICK, G., and GANGULY, D. Stackburn disease of rice in Bengal. *Cur. Sci.* 14: 328-329. Dec. 1945. 475 Sci23

Includes description of causal organism, *Trichocotis caudata*.

14846 WELCH, D. S. Dutch elm disease controlled by cleanup of breeding areas. *Farm Res.* [N. Y. State Sta.] 12(1): 11-12. Jan. 1946. 100 N48A

14847 WHITE, N. H. *Septoria* leaf spot of currants. *Tasmanian J. Agr.* 16: 163-165. Nov. 1, 1945. 23 T182T

*S. ribis*.

14848 WILLEY, C. R. Shall we let the cedars grow? *Va. Fruit* 34: 17-20. Jan. 1946. 81 V81B

Control of apple rust by eradication of cedar host.

14849 WILSON, J. D., and RUNNELS, H. A. A comparison of various carbamates for the control of bean anthracnose. *Ohio Agr. Expt. Sta. Bimo. B.* 30: 189-191. Nov./Dec. 1945. 100 Oh3S

#### Diseases Caused by Bacteria

14850 REINKING, O. A., and GLOYER, W. O. Cabbage black rot spread from infested seedbed. *Farm Res.* [N. Y. State Sta.] 12(1): 13-14. Jan. 1946. 100 N48A

14851 THOMAS, H. E., and SCOTT, C. E. Fire blight prevention [in pear orchards]. *Pacific Rural Press*, South Ed. 151(1): 6. Jan. 5, 1946. 6 Pl12A

14852 WORMALD, E. Physiologic races of the crown gall organism *Bacterium tumefaciens*, in Britain. *Brit. Mycol. Soc. Trans.* 28: 134-146. Nov. 1945. Ref. 451 B76

#### Viruses and Virus Diseases

14853 BAWDEN, F. C., and PIRIE, N. W. Further studies on the purification and properties of a virus causing tobacco necrosis. *Brit. J. Expt. Path.* 26: 277-285. Oct. 1945. 448.8 B772

14854 BAWDEN, F. C., and PIRIE, N. W. The separation and properties of tobacco mosaic virus in different states of aggregation. *Brit. J. Expt. Path.* 26: 294-312. Oct. 1945. Ref. 448.8 B772

14855 BAWDEN, F. C. Virus diseases of plants. *Roy. Soc. Arts J.* 94: 136-168. Feb. 1, 1946. 501 L847J

14856 BRAZELTON, J. S. Elm trees in trouble. *Mo. Ruralist* 87(3): 15. Feb. 9, 1946. 6 R8891  
Phloem necrosis.

14857 DAVIDSON, H. R. In search of the invisible; how scientists have produced means to take a look at viruses which appear to be a limiting factor in vegetative reproduction. *Farmer & Stock-Breeder* 60: 61. Jan. 8, 1946. 10 F228

14858 GIDDINGS, N. J. Mass action as a factor in curly-top-virus infection of sugar beet. *Phytopathology* 36: 53-56. Jan. 1946. Ref. 464.8 P56

14859 GIDDINGS, N. J. Some factors influencing curly top virus concentration in sugar beets. *Phytopathology* 36: 38-52. Jan. 1946. Ref. 464.8 P56

14860 JOHNSTON, J. P., and OGSTON, A. G. The ultracentrifugal examination of fractions of tobacco mosaic virus. *Brit. J. Expt. Path.* 26: 313-315. Oct. 1945. 448.8 B772

14861 OGSTON, A. G. Ultracentrifugal examination of a virus causing tobacco necrosis. *Brit. J. Expt. Path.* 26: 286-287. Oct. 1945. 448.8 B772

14862 OWEN, E. S. Sheep for healthy sugar beet; folding the tops reduces attacks of virus yellows. *Farmer & Stock-Breeder* 60: 32. Jan. 1, 1946. 10 F228

14863 TARASSEVICH, L. M. Determination of the isoelectric point of virus proteins by the steining technique. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 666-668. 1945. 511 P444

14864 THOMSON, R. Field investigations at Tobacco Research Station. *New Zeal. J. Sci. and Technol. Sect. A, Agr.* 27: 104-106. Aug. 1945. 514 N48A

Experiments on the effect of mosaic disease.

14865 VAN DER PLANK, J. E., and ANDERSSON, E. E. Kromnek disease of tobacco; a mathematical solution to a problem of disease. *Union So. Africa. Dept. Agr. and Forestry. Sci. B.* 240, 6 p. Pretoria, 1945. 24 So84S

14866 WILLISON, R. S., and BERKELEY, G. H. Tatter leaf of sweet cherry. *Phytopathology* 36: 73-84. Jan. 1946. Ref. 464.8 P56

A virus disease, named for its most striking symptom.

#### Diseases Caused by Nematodes

14867 BATES, G. H. An alien weed [*Solanum sarachoides*] host of *Heterodera rostochiensis* in England. *J. Helminthol.* 21: 104. 1945. 436.8 J82  
Weed seed found in carrot seed.

14868 FRANKLIN, M. T. On *Heterodera cruciferae* n. sp. of brassicas, and on a *Heterodera* strain infecting clover and dock [*Rumex crispus*]. *J. Helminthol.* 21: 71-84. 1945. 436.8 J82

14869 GOODEY, T. *Anguillulina brenani* n. sp., a nematode causing galls on the moss, *Pottia bryoides* Mitt. *J. Helminthol.* 21: 105-110. 1945. 436.8 J82

14870 GOODEY, T. *Anguillulina dipsaci* on onion seed and its control by fumigation with methyl bromide. *J. Helminthol.* 21: 45-59. 1945. 436.8 J82

14871 GOODEY, T. Symptoms of disease in tulips caused by *Anguillulina dipsaci*. *J. Helminthol.* 21: 43-44. 1945. 436.8 J82

14872 JONES, F. G. W. Soil populations of beet eelworm (*Heterodera schachtii* Schm.) in relation to cropping. *Ann. Appl. Biol.* 32: 351-380. Nov. 1945. Ref. 442.8 An72

14873 MACKIE, W. W. Nematodes and lima beans. *Pacific Rural Press*, North. Ed. 151: 121. Feb. 2, 1946. 6 Pl12

14874 SEINHORST, J. W. Een laboratoriummethode voor de bepaling van de vatbaarheid van rogge voor aantasting door het stengelaaltje (*Ditylenchus dipsaci* (Kühn) Filipjev) (A laboratory method for determining the degree of susceptibility of rye to infestation by the stem eelworm (*Ditylenchus dipsaci* (Kühn) Filipjev). *Tijdschr. over Plantenziekten* 51: 39-52. 1945. Ref. 464.8 Th44

14875 THIRUMALACHAR, M. J. Bud rot of Areca palms in Mysore. *Nature* (London), 157: 106-107. Jan. 26, 1946. 472 N21  
Caused by nematodes.

## ECOLOGY

14876 CHEVALIER, A., and VARDE, R. P. DE 'LA. Le premier peuplement végétal sur le sol nu des sapés et trous d'obus aux environs de Leningrad. *Paris. Acad. des Sci. Compt. Rend.* 221: 129-130. July 1945. 505 P21

14877 DEMOLON, A., and DUNEZ, A. Observations sur l'écologie du *Rhizobium leguminosarum* (Bact. radicicola). *Paris. Acad. des Sci. Compt. Rend.* 221: 309-311. Sept. 1945. 505 P21

14878 DYKSTERHUIS, E. J. The vegetation of the Fort Worth prairie. *Nebr. U. Abs. Doct. Diss.* 1945: 8-12. 1946. 241.8 M28  
An ecological study.

14879 GALZIN, L. Ventoux et l'Aigoual. *Rev. des Eaux et Forêts* 83: 596-604. Oct. 1945. 99.8 R322

An ecological study.

14880 HENRY, L. K. Ecological notes on fungi. *Pa. Acad. Sci. Proc.* (1945) 19: 140-143. 500 P383  
Fungi of a burned area; fungi from a fallen red oak sapling; fungi of slash piles.

14881 JONES, E. W. The structure and reproduction of the virgin forest of the North Temperate Zone. *New Phytol.* 44: 130-148. Dec. 1945. Ref. 450 N42

14882 LAPOINTE, J. A. Notes écologico-agronomique sur l'ivraie [*Lolium* spp.]. *Rev. d'Oka* 19: 186-187. Nov./Dec. 1945. 7 Ok1

14883 P'IAVCHENKO, N. I. Boloto i torfianik (Le marais et la tourbière). *Sovet. Bot.* 13(1): 60-66. 1945. 450 So8

14884 POLJANSKAYA, O. S. Izuchenie rastitel'nogo pokrova Komi ASSR bazami Akademii nauk v period Otechestvennoi voyny (Étude du tapis végétal de la République Autonome de Komi par les bases de l'Académie des Sciences en temps de guerre). *Sovet. Bot.* 13(1): 71-72. 1945. 450 So8  
An ecological study.

14885 RABOTNOV, T. A. O stepiakh Tsentral'noi Azii. *Priroda* 34(2): 65-66. 1945. 410 P933  
An ecological study of the steppes of Central Asia.

14886 SOCHAVA, V. B. Elementy rastitel'nogo pokrova Severnogo Sikhote-Alinia i ikh vzaimootnosheniia (Les éléments du tapis végétal du Sikhote-Aligne du nord en leur rapports reciproques). *Sovet. Bot.* 13(1): 14-32. 1945. 450 So8  
In the Amur region, U. S. S. R.

14887 STEVENS, O. A. Plant and animal populations of the Missouri River Valley in North Dakota. *N. Dak. Agr. Expt. Sta. Bimo. B.* 8(2): 20-25. Nov./Dec. 1945. 100 N813B

An ecological study.

14888 WATT, A. S. Contributions to the ecology of bracken (*Pteridium aquilinum*). III. Frond types and the make-up of the population. *New Phytol.* 44: 156-178. Dec. 1945. 450 N42

14889 WEAVER, J. E., and BRUNER, W. E. A seven-year quantitative study of succession in grassland in Nebraska. *Ecol. Monog.* 15: 297-319. July 1945. Ref. 410 M272

## MORPHOLOGY, ANATOMY, AND CYTOLOGY

14890 BÖCHER, T. W. Meiosis in *Anemone apennina* with special reference to chiasma localisation. *Hereditas* 31: 221-237. Jan. 10, 1945. Ref. 442.8 H42

14891 BOND, T. E. T. On sepal phyllody in roses and some related phenomena. Experimental data and a quantitative interpretation. *New Phytol.* 44: 220-230. Dec. 1945. 450 N42

14892 BOOK, J. A. Equilibrium of trivalents at metaphase. *Hereditas* 31: 499. May 4, 1945. 442.8 H42

Experiments with *Anthoxanthum aristatum*.

14893 BUVAT, R. La structure du noyau quiescent de quelques liliacées et son intérêt en systématique. *Soc. de Biol. Compt. Rend.* 139: 291-294. Mar. 1945. 442.9 P21

14894 CATCHESIDE, D. G., LEA, D. E., and THODAY, J. M. The production of chromosome structural changes in *Tradescantia* microspores in relation to dosage, intensity and temperature. *J. Genet.* 47: 137-149. Jan. 1946. 442.88 J823

Irradiation experiments; induced by X-ray.

14895 CATCHESIDE, D. G., LEA, D. E., and THODAY, J. M. Types of chromosome structural change induced by the irradiation of *Tradescantia* microspores. *J. Genet.* 47: 113-136. Jan. 1946. 442.8 J823  
Induced by X-ray.

14896 DORMER, K. J. Morphology of the vegetative shoot in *Euphorbiaceae*. *New Phytol.* 44: 149-151. Dec. 1945. Ref. 450 N42

14897 EHRENBERG, L. The shape of the spindle at metaphase is conditioned by the shape of its molecules. *Hereditas* 31: 240. Jan. 10, 1945. 442.8 H42

*Salix fragilis* x *alba* used in tests.

14898 HAGERUP, O. Basidiens cytologi hos *Lepiota* (*Limacella*) *lenticularis* Lasch. (The cytology of the basidium of *Lepiota* (*Limacella*) *lenticularis* Lasch.). *Friesia* 3: 96-100. 1945. Ref. 450 F91  
English summary.

14899 HAKANSSON, A. Zytologische studien an monosomischen typen von *Gedelia whitneya*. *Hereditas* 31: 129-162. Jan. 10, 1945. 442.8 H42  
English summary.

14900 HOWELL, J. T. Concerning stomata on leaves in *Arctostaphylos*. *Wasmann Collect.* 6: 57-65. Apr./Nov. 1945. 442.8 W28

14901 JOHNSON, H. Chromosome numbers of the progeny from the cross triploid x tetraploid *Populus tremula*. *Hereditas* 31: 500. May 4, 1945. 442.8 H42

14902 KOSTRIUKOVA, K. I. Muzhskoi gametofit *Ameryllidaceae* (Le gametophyte mâle des *ameryllidées*). *Sovet. Bot.* 13(1): 32-48. 1945. Ref. 450 So8

14903 LAMM, R. Cytogenetic studies in *Solanum* sect. *Tuberosum*. *Hereditas* 31: 1-128. Jan. 10, 1945. Ref. 442.8 H42

14904 LEMESLE, R. Les ponctuations aréoles des fibres des genres *Schizandra* L., *Kadsura* J., *Illicium* L. et leur rapports avec la phylogénie. *Paris. Acad. des Sci. Compt. Rend.* 221: 113-115. July 1945. 505 P21

14905 LEVAN, A. A haploid sugar beet after colchicine treatment. *Hereditas* 31: 399-410. May 4, 1945. 442.8 H42

Morphology and cytology of the plant described.

14906 MANGENOT, G. Sur une mitose abortive dans les cellules du tapis archégonial des pins. *Soc. de Biol. Compt. Rend.* 139: 266-268. Mar. 1945. 442.9 P21

14907 MENDES, A. J. T. Citología de *Coffea*. *Rev. de Agr. Piracicaba*, 20: 412-415. Sept./Dec. 1945. 9.2 R324

14908 MUNTZING, A. Cytological studies of extra fragment chromosomes in rye. II. Transmission and multiplication of standard fragments and iso-fragments. *Hereditas* 31: 457-477. May 4, 1945. Ref. 442.8 H42

14909 MURRAY, M. A. Carpellary and placental structure in the *Solanaceae*. *Bot. Gaz.* 107: 243-260. Dec. 1945. 450 B652



14910 ÖSTERGREN, G. Equilibrium of trivalents and the mechanism of chromosome movements.

Hereditas 31: 498. May 4, 1945. 442.8 H42  
Experiments with *Anthoxanthum aristatum*.

14911 PODDUBNAJA-ARNOL'DI, V. A., and LODKINA, M. M. Embryogenez pri otdalennoi gibrizatsii i poliploidii v rode Nicotiana (Embryogeny in interspecific hybrids and polyploids of the genus *Nicotiana*). Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.) 30: 195-216. 1945. Ref. 451 R923  
English summary.

14912 PRASAD, S. A histological study of the root of *Saussurea lappa* C. B. Clarke. Indian J. Pharm. 7: 81-88. July/Sept. 1945. 396.8 In23

14913 PURI, G. S. On the occurrence of a gynophore in *Draba* sp. from Kashmir, with remarks on the phylogeny of the gynophore in the Cruciferae. Cur. Sci. 14: 333-334. Dec. 1945. 475 Sci23

14914 RICHENS, R. H. Relational plant morphology. Nature [London] 157: 127-128. Feb. 2, 1946. Ref. 472 N21

14915 RISCHKOV, V. L. On a defensive reaction of the plant cell (A contribution to the comparative pharmacology of sulphonamides). Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 520-522. June 10, 1945. 511 P444

Experiments with tomato, showing the effect of streptocide on crystal formation and its relation to formation of virus crystals.

14916 RIZET, G. Sur l'origine endomitotique de la polyploidie dans les racines du *Cannabis sativa*. Soc. de Biol. Compt. Rend. 139: 300-302. Mar. 1945. 442.9 P21

14917 SINHA, S. Studies in the diseases of *Mangifera indica* Linn. V. The structure and development of lenticels in the mango fruits. Indian Bot. Soc. J. 24: 119-126. Aug. 1945. 450 J821

14918 SKOTTSBERG, C. The flower of *Canthium*. Arkiv för Bot., v. 32A, No. 5, 12 p. Nov. 16, 1945. 451 Sv2

14919 SOUÈGES, R. Embryogénie des balsaminacées. Développement de l'embryon chez l'*Impatiens balfourii* Hook. Paris. Acad. des Sci. Compt. Rend. 220: 837-840. June 11, 1945. 505 P21

14920 SOUÈGES, R. Embryogénie des caryophyllacées. Développement de l'embryon chez l'*Arenaria serpyllifolia* L. Paris. Acad. des Sci. Compt. Rend. 221: 320-322. Sept. 1945. 505 P21

14921 SOUÈGES, R. Embryogénie des illécébracées. Développement de l'embryon chez le *Polycarpon tetraphyllum* L. Paris. Acad. des Sci. Compt. Rend. 221: 41-44. July 1945. 505 P21

14922 SOUÈGES, R. Embryogénie des polémoniacées. Développement de l'embryon chez le *Polemonium pauciflorum* Wats. Paris. Acad. des Sci. Compt. Rend. 220: 897-900. June 25, 1945. 505 P21

14923 SOUÈGES, R. Embryogénie des portulacacées. Développement de l'embryon chez le *Claytonia perfoliata* Donn. Paris. Acad. des Sci. Compt. Rend. 221: 209-211. Aug. 20, 1945. 505 P21

14924 SUBRAMANIAM, M. K., and RANGANATHAN, B. A new mutant of *Saccharomyces cerevisiae*. Nature [London] 157: 49-50. Jan. 12, 1946. 472 N21

14925 SUBRAMANIAM, M. K., and RANGANATHAN, B. Peculiar cytological behaviour of a distillery yeast. Nature [London] 157: 50-51. Jan. 12, 1946. 472 N21

14926 SWAMY, B. G. L. Embryo sac and fertilization in *Cyrtopodium spectabile*. Bot. Gaz. 107: 291-295. Dec. 1945. 450 B652

14927 WHITEHOUSE, H. L. K., and HALDANE, J. B. S. Symmetrical and asymmetrical reduction in ascomycetes. J. Genet. 47: 208-212. Jan. 1946. 442.8 J823

## GENETICS

14928 BLARINGHEM, L. Fleurs doubles per variation de bourgeons. Mutation réversible de la *Cerastium pratense* L. var. flore pleno. Paris. Acad. des Sci. Compt. Rend. 221: 322-325. Sept. 1945. 505 P21

14929 CAMARA, A., and VASCONCELOS, S. Não-dissociação provocada artificialmente com anidrido carbônico. Brotéria 14: 188-195. Nov. 1945. 410 B79C  
Polyploidy as observed in *Drosophila* a factor in plant breeding.

14930 DODDS, K. S., and PITTENDRIGH, C. S. Genetical and cytological studies of *Musa*. VII. Certain aspects of polyploidy. J. Genet. 47: 162-177. Jan. 1946. 442.8 J823

14931 HUDSON, P. S. Plant breeding and genetics to-day. Adv. Sci. 3: 252-267. Nov. 1945. 501 B77A

14932 HUTCHINSON, J. B. The crinkled dwarf allelomorph series in the New World cottons. J. Genet. 47: 178-207. Jan. 1946. 442.8 J823

14933 JOHNSON, H. Interspecific hybridization within the genus *Betula*. Hereditas 31: 163-176. Jan. 10, 1945. Ref. 442.8 H42

14934 JOHNSON, H. The triploid progeny of the cross diploid x tetraploid *Populus tremula*. Hereditas 31: 411-440. May 4, 1945. Ref. 442.8 H42

14935 LAMPRECHT, H. Die koppelungsgruppe N--Z--Fa--Td von Pisum. Hereditas 31: 347-362. May 4, 1945. 442.8 H42

English summary.

14936 LINDEGREN, C. C. Yeast genetics; life cycles, cytology, hybridization, vitamin synthesis, and adaptive enzymes. Bact. Rev. 9: 111-170. Sept./Dec. 1945. Ref. 448.3 B13

14937 MEDVEDEVA, G. B. A contribution to the study of the inheritance of awnlessness in wheat. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 507-509. June 10, 1945. 511 P444

14938 MUNTZING, A. Hybrid vigour in crosses between pure lines of *Galeopsis tetrahit*. Hereditas 31: 391-398. May 4, 1945. Ref. 442.8 H42

14939 PAO, W. K., and LI, H. W. Material inheritance of variegation in common wheat. Amer. Soc. Agron. J. 38(1): 90-94. Jan. 1946. 4 Am34P

14940 PERLOVA, R. L. Production of the original species of the Chile autotriploid *Solanum maglia* Schlecht. at Pamir. Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.) 48(1): 56-58. 1945. 511 P444

14941 RICHENS, R. H. Forest tree breeding and genetics. Imp. Agr. Bur. Joint P. 8, 79 p. London, 1945. 10 Im73

References, p. 65-79.

14942 SANSOME, E. R. Recent genetical experiments with yeasts. Nature [London] 157: 52-53. Jan. 12, 1946. 472 N21

14943 SILCOX, R. A. Evidence on chromosome homology in the amphidiploid New World cottons. J. Genet. 47: 213-231. Jan. 1946. 442.8 J823

14944 STEPHENS, S. G. The genetics of 'corky.' I. The New World alleles and their possible role as an interspecific isolating mechanism. J. Genet. 47: 150-161. Jan. 1946. 442.8 J823

Abnormal types in hybrids between certain strains of *Cossypium hirsutum* var. *marie-galante* and *G. barbadense*.

## PHYSIOLOGY

14945 ARNDT, C. H. The internal infection of cotton seed and the loss of viability in storage. Phytopathology 36: 30-37. Jan. 1946. Ref. 464.8 P56

14946 BAKER, E. G. Late flowering of horse-chestnut. Nature [London] 156: 721. Dec. 15, 1945. 472 N21

- 14947 BALTADORI, A. Produttività e durata del sottoperiodo della granigione nel frumento. Soc. Ital. di Biol. Sper. Bol. 20: 266-268. Apr./May 1945. 442.3 Sol2
- Yield of different varieties based on physiological response to ecological conditions.
- 14948 BARNES, T. W. Accumulation of sugars in barley seedlings on very acid soil. Nature [London], 156: 692. Dec. 8, 1945. 472 N21
- 14949 BEAL, J. M. Histological reactions of bean plants to certain of the substituted phenoxy compounds. Bot. Gaz. 107: 200-217. Dec. 1945. 450 B652
- 14950 BEINHART, E. G. Absorption of phenol vapors by plants. Science 103: 207-208. Feb. 15, 1946. 470 Sci2
- 14951 BENNET-CLARK, T. A. Adaptation of plants to drought. Roy. Col. Sci., London. Sci. J. 15: 99-102. 1945. 501 L8484
- 14952 BERTRAND, H. W. R. Treatment of brown bast [of Hevea]. Rubber Res. Scheme, Ceylon. Q. C. 22: 21-22. June 1945. 78 C33Q
- A physiological disease.
- 14953 BITANCOURT, A. A. O falso exantema dos citruses. Biológico 11: 266-268. Oct. 1945. 442.8 B529
- 14954 BLACKWELL, E. M. Late flowering of horse-chestnut. Nature [London], 156: 721. Dec. 15, 1945. 472 N21
- 14955 BLARINGHEM, L., and CHEVALIER, G. Altérations du développement et de la maturation du Zea mays var. polysperma par l'action de la colchicine. Paris. Acad. des Sci. Compt. Rend. 221: 267-271. Sept. 1945. 505 P21
- 14956 BLARINGHEM, L. Plantes annuelles et plantes vivaces: xénie des plantules. Paris. Acad. des Sci. Compt. Rend. 221: 332-335. Sept. 1945. 505 P21
- 14957 BROWN, R. Biological stimulation in germination. Nature [London], 157: 64-69. Jan. 19, 1946. Ref. 472 N21
- 14958 CHAYLAKHIAN, M. O korrelatsii mezhdu soderzhaniiem vitamina C i formol chashelistikov plodov shipovnika (Sur la corrélation entre le contenu de la vitamine C et de la forme des sepales des fruits de l'églantier [Rosa spp.]). Sovet. Bot. 13(2): 60-62. 1945. 450 S08
- 14959 CHALIOT, C. DU. Durata di conservazione dei semi di Nerium oleander L. Soc. Ital. di Biol. Sper. Bol. 20: 386-387. June/July 1945. 442.8 Sol2
- 14960 CHAPLIN, C. A., and REGAN, C. J. Investigation of plant-growth substances (auxins) in sewage products. Soc. Chem. Indus. J. Trans. and Commun. 64: 331-332. Dec. 1945. 382 M31
- 14961 CLAPHAM, A. R. Studies in the depth adjustment of subterranean plant organs. I. Raunkiaer's experiment on depth perception in Polygonatum. New Phytol. 44: 105-109. Dec. 1945. 450 N42
- Effect of light intensity on the direction of the growth of the rhizome.
- 14962 COOK, J. W. Colchicine: its chemistry and some biological effects. Roy. Inst. Chem. Gt. Brit. and Ireland. J. and Proc. 6: 225. Dec. 1945. 382 In7
- 14963 COOK, R. P., and others. The production of penicillin using fractions obtained from aqueous extracts of pea (Pisum sativum). Biochem. J. 39: 314-317. 1945. Ref. 382 B52
- W. J. Tulloch, M. B. Brown, and J. Brodie, joint authors.
- 14964 DANGEARD, P. Sur la présence d'amidon et d'amyloplastes dans les points de végétation de la tige des phanérogames et sur l'évolution des chloroplastes. Soc. de Biol. Compt. Rend. 139: 345-347. Mar. 1945. 442.9 P21
- 14965 DAVID, R. Sur la répartition de l'huile dans l'embryon de blé printanisé. Soc. de Biol. Compt. Rend. 139: 299-300. Mar. 1945. 442.9 P21
- 14966 DAVIDSON, J. R. The use of hormone sprays to reduce the drop of Pullar cling peaches; promising results at Yenda. Agr. Gaz. N. S. Wales 56: 493-494. Nov. 1945. 23 M472
- 14967 DECKER, J. S. A influencia das "auxinas", no enraizamento das estacas. São Paulo. Sec. da Agr., Indús., e Com. B. de Agr. (ser. 44) 1943: 273-281. 1945. 9.2 Sa63
- 14968 DEMIDENKO, T. T. Varieties of sunflower as characterized according to their drought resistance. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 513-516. June 10, 1945. 511 P444
- 14969 DOWNES, A. C. Autumn colour. Gard. Chron. 119: 19-20. Jan. 12, 1946. 80 G162
- Basis of color changes in plants.
- 14970 DUFFY, M. E., and CALLOWAY, A. I. Observations on talc as a plant hormone. Pa. Acad. Sci. Proc. (1945) 19: 137-139. 500 P383
- Talc has exhibited some auxin-like effects even when it has not been used as a carrier.
- 14971 DUSSEAU, A. Les effets de la tétraploïdie chez le sorgho sucrier [Sorghum vulgare var. saccharatum]. Paris. Acad. des Sci. Compt. Rend. 221: 115-116. July 1945. 505 P21
- 14972 ELLERTON, S. What is vernalisation? Farmers Weekly [London], 24(2): 33. Jan. 11, 1946. 10 F2226
- 14973 FRANK, S. R. The effectiveness of the spectrum in chlorophyll formation. J. Gen. Physiol. 29: 157-179. Jan. 20, 1946. 447.8 J822
- 14974 FRIES, N. Über röntgen-induzierte physiologische mutationem bei Ophiostoma multianulatum (Hedg. et Davids.). Arkiv för Bot., v. 32A No. 8, 9 p. Nov. 16, 1945. 451 Sv2
- 14975 GALLERANI, L. Il potere eubiotico del Penicillium glaucum sui coccobatteri luminescenti. Soc. Ital. di Biol. Sper. Bol. 20: 350-351. June/July 1945. 442.8 Sol2
- 14976 GAYAN S., C. La clorosis o amarillez de las plantas. Agrario 10(368): 16. Sept. 1945. 9.3 Ag85
- 14977 GHOSH, B. H. Effect of varying water levels on growth of rice in relation to carbohydrate metabolism of the leaves. Sci. and Cult. 11: 208-209. Oct. 1945. 475 Sci24
- 14978 GUREWITSCH, A. A. On the reduction of ortho-dinitrobenzene in green plants. On the theory of regulation of protein exchange in plants. Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.) 48: 117-120. July 20, 1945. 511 P444
- 14979 HAAS, A. R. C. Influence of the rootstock on the composition of citrus leaves and rootlets. Soil Sci. 60: 445-461. Dec. 1945. Ref. 56.8 So3
- 14980 HAM, W. E., and TYSDAL, H. M. The carotene content of alfalfa strains and hybrids with different degrees of resistance to leafhopper [Empoasca fabae] injury. Amer. Soc. Agron. J. 38(1): 68-74. Jan. 1946. 4 Am34p
- 14981 HARLEY, C. P. New developments in fruit-sticking sprays. Va. Fruit 34: 95-96. Jan. 1946. 81 V81B
- 14982 HESS, E. Sonnenflecken und baumwachstum. Schweiz. Z. f. Forstw. 96: 182-183. July/Aug. 1945. 99.8 Sch9
- Followed by comment by Knuchel.
- 14983 HOLUBINSKY, I. N. Studies on the physiology of the germination of pollen. I. Mutual stimulation in the germination of pollen grains. Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.) 48(1): 62-63. 1945. 511 P444



- 14984 HORA, F. B. Gain and loss of moisture from small samples of marsh vegetation. *New Phytol.* 44: 179-183. Dec. 1945. 450 N42
- 14985 JOHNSON, J. E. Soil too rich in nitrogen causes blight on pears. *Gleanings Pee Cult.* 74(1): 25. Jan. 1946. 424.8 G47
- 14986 KELLER, B. A. Evoliutsiia rastenii na osnove osobennosti i ikh pitanii. *Priroda* 34(1): 26-35. 1945. 410 P933  
Importance of nitrogen.
- 14987 KIDD, F., and WEST, C. Effect of carbon dioxide production in the absence of oxygen. *New Phytol.* 44: 231-233. Dec. 1945. 450 N42  
Experiments with apples.
- 14988 KLESHNIN, A. A contribution to the study of heat resistance of the leaves of cotton grown on saline soils. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* 47: 587-589. June 20, 1945. 511 P444
- 14989 KONSTANTINOV, N. N. Daylength as a factor decisive for the possibility of the existence of a species. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 660-662. 1945. 511 P444
- 14990 KRAPIVINA, A. T. Variation in sucking power of leaves in Egyptian cotton caused by different irrigation regimes. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 663-665. 1945. 511 P444
- 14991 LEVAN, A. Cytological reactions induced by inorganic salt solutions. *Nature* [London], 156: 751-752. Dec. 22, 1945. 472 N21  
Experiments with *Allium cepa*.
- 14992 LEVRING, T. The oxidation and assimilation of acetic acid by *Torula utilis*. *Arkiv för Bot.* v. 32A, 11 p. Aug. 28, 1945. 451 Sv2
- 14993 LUNDEGÅRDH, H. Absorption, transport and exudation of inorganic ions by the roots. *Arkiv för Bot.* v. 32A, 139 p. 1945. Ref., p. 122-124. 451 Sv2
- 14994 LYPKA, A. L. Obrazovanie semian u ginkgo v klimaticheskikh usloviakh Ukrainy [Formation of seeds in ginkgo under climatic conditions of the Ukraine]. *Priroda* 34(1): 66-67. 1945. 410 P933
- 14995 MACHADO, A. A. "Uma falsa carpoptose do coqueiro anão." *Pernambuco. Sec. de Agr., Indús. e Com. B.* 12: 174-177. July/Sept. 1945. 9.2 P423
- 14996 MCKINNEY, H. H., and CLAYTON, E. E. Genotype and temperature in relation to symptoms caused in *Nicotiana* by the mosaic virus. *J. Hered.* 36: 323-331. Nov. 1945. Ref. 442.8 Am3
- 14997 MAKI, T. E., and MARSHALL, H. Effects of soaking with indolebutyric acid on root development and survival of tree seedlings. *Bot. Gaz.* 107: 268-276. Dec. 1945. 450 B652
- 14998 MAUME, L., and DULAC, J. Carence potassique chez la vigne décelée par le contrôle chimique de la feuille, avant l'apparition de la brunissure. *Paris. Acad. des Sci. Compt. Rend.* 221: 116-118. July 1945. 505 P21
- 14999 MIEGE, E. L'autostérilité chez les arbres fruitiers. *Fruits et Primeurs de l'Afrique du Nord.* Ed. Maroc. 15: 237-238. Nov. 1945. 80 F9482
- 15000 MITCHELL, J. W., and MARTIN, P. C. Effects of 2,4-dichlorophenoxyacetic acid on the growth of grass plants. *Bot. Gaz.* 107: 276-284. Dec. 1945. 450 B652
- 15001 MOREL, G. Isolement des cultures pures de parenchyme de vigne. *Paris. Acad. des Sci. Compt. Rend.* 221: 78-80. July 1945. 505 P21
- 15002 NAIR, K. R., and BOSE, P. Influence of humidity and temperature on the yield of cotton. *Sankhyā* 7: 213-216. Nov. 1945. 251.8 In2  
Statistical method.
- 15003 NAVARRO DE ANDRADE, E. Citricultura; cavalos para enxertia. *São Paulo. Sec. da Agr., Indús. e Com. B. de Agr. (ser. 44)* 1943: 211-221. 1945. 9.2 Sa63
- 15004 NOBÉCOURT, P., and KOFLER, L. Culture de tissu de tige de rosier. *Paris. Acad. des Sci. Compt. Rend.* 221: 53-54. July 1945. 505 P21
- 15005 OFFENBURG, P. Warum fällt das Laub von den Bäumen? *Schweiz. Gart., No. 11*, p. 315-316. Nov. 1945. 80 Sch93
- 15006 OSTERHOUT, W. J. V. Some properties of protoplasmic gels. I. Tension in the chloroplast of *Spirogyra*. *J. Gen. Physiol.* 29: 181-192. Jan. 20, 1946. 447.8 J822
- 15007 OSTROM, C. E. Effects of plant-growth regulators on shoot development and field survival of forest-tree seedlings. *Bot. Gaz.* 107: 139-183. Dec. 1945. 450 B652
- 15008 PARKHOMENKO, M. A new method for grafting herbaceous plants, applicable under field conditions. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* 47: 517-519. June 10, 1945. 511 P444
- 15009 PERVIKHINA, N. V. Materialy k vysshenniiu zakonomnostei razvitiia kallusa (Contribution à l'explication loi de développement du callus). *Soviet. Bot.* 13(2): 51-60. 1945. Ref. 450 So8
- 15010 POBEDIMOVA, E. G. O biologii tsveteniia vidov sektiia Anandria Hoffm. roda Gerbera Gron (On the biology of flowering the species of the section Anandria Hoffm. genus Gerbera Gron). *Bot. Zhur. S. S. S. R. (J. Bot. de l'U. R. S. S.)* 30: 217-232. 1945. 451 R923  
English summary.
- 15011 RABOTNOV, T. A. O dlitel'nosti sokhraneniia zhiznesposobnosti semenami, pogrebennymi v pochve [Concerning the duration of viability preservation in seeds buried in the soil]. *Priroda* 34(1): 63-66. 1945. 410 P933
- 15012 RAKITIN, J. V. Relation between seeds and pericarp in the process of fruit growth and ripening. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* 47: 590-592. June 20, 1945. 511 P444
- 15013 RANGNEKAR, Y. B. Role of manganese in the formation of vitamin C and carotene in plants. *Cur. Sci.* 14: 325. Dec. 1945. 475 Sci23
- 15014 RATNER, E. I. Interaction between roots and soil colloids as a problem of mineral nutrition of plants. *Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.)* 48(1): 64-67. 1945. 511 P444
- 15015 ROSENTHAL, G. Précisions sur les boutures directes; de la bouture de chêne à la variabilité microbienne. *Rev. de Path. Compar.* 45(557/558): 42-44. Jan./Feb. 1945. 448.8 R326
- 15016 S., R. W. What is vernalisation? *Pop. Card.* 47: 374. Jan. 19, 1946. 80 G1622
- 15017 SARAN, A. B. Studies on the effect of 'short' and 'long day' treatment on the growth period and the flowering dates of different paddy varieties. *Indian Bot. Soc. J.* 24: 153-161. Aug. 1945. 450 J821
- 15018 SCULLY, N. J., PARKER, M. W., and BORTHWICK, H. A. Relationship of photoperiod and nitrogen nutrition to initiation of flower primordia in soybean varieties. *Bot. Gaz.* 107: 218-231. Dec. 1945. 450 B652
- 15019 SIMPSON, D. M. The longevity of cottonseed as affected by climate and seed treatments. *Amer. Soc. Agron. J.* 38(1): 32-45. Jan. 1946. 4 Am34p
- 15020 SINGH, R. N. Nuclear phases and alternation of generations in *Draparnaldiopsis indica* Bhardwaja. *New Phytol.* 44: 118-129. Dec. 1945. 450 N42
- 15021 SKUTCH, A. F. The behavior of the flowers of the aguacatillo (*Persea caerulea*). *Torreyia* 45: 110-116. Dec. 1945. 450 T63

## BIOCHEMISTRY

- 15022 SOKOLOV, A. V. Transplantation as applied to the study of nutrition of different plant species. Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.) 48: 135-137. July 20, 1945. 511 P444
- Relation between the quantity of mineral substances in the scion and in the kind of stock.
- 15023 SOLOV'EV, K. P. Nekotorye biologicheskie osobennosti melkolistnogo klana (Quelques singularités biologiques de l'Acer mono Max.). Sovet. Bot. 13(1): 52-59. 1945. 450 So8
- 15024 SPERBER, E. Studies in the metabolism of growing *Torulopsis utilis* under aerobic conditions. Arkiv för Kemi, Min. och Geol., v. 21A, No. 3, 136 p. Stockholm, 1945. Ref. 385 Sv2
- 15025 STARCHER, G. C. The functions of minerals [in plant nutrition]. Plantation Stockman 3(5): 22-23, 28-31. Jan. 1946. 49 P69
- 15026 STOUT, M. Relation of temperature to reproduction in sugar beets. J. Agr. Res. 72: 49-68. Jan. 15, 1946. 1 Ag84J
- 15027 SUKHORUKOV, K., and STROGOV, B. On the growth hormones in a diseased plant. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 593-596. June 20, 1945. Ref. 511 P444
- 15028 SWARBRICK, T. Promoting growth and fruit crops. Field 186: 637. Dec. 15, 1945. 10 P45
- 15029 TADGELL, A. J. Flies as fertilising agents. Victorian Nat. 62: 148. Dec. 1945. 410 V66
- 15030 TEMPLEMAN, W. G. Harnessing the hormone. Country Life (London), 98: 923. Nov. 23, 1945. 80 C83
- Effect of synthetic hormones on plants.
- 15031 THAYSEN, A. C., and BUTLIN, K. R. Inhibition of the development of *Fusarium oxysporum cubense* by a growth substance produced by Meredith's Actinomycetes. Nature (London), 156: 781-782. Dec. 29, 1945. 472 N21
- 15032 THÉRET-GAILLARD, E. Les modifications spontanées ou provoquées des sécrétions cutanées chez les végétaux. Paris. Acad. des Sci. Compt. Rend. 221: 263-264. Sept. 1945. 505 P21
- 15033 TOCCO, L., VERDUCI, P., and CHALIOT, C. DU. Contributo preparatorio alla soluzione del problema della esistenza dei raggi mitogenetici di Gurwitsch. Soc. Ital. di Biol. Sper. B. 20: 84-86. Jan./Mar. 1945. 442.8 Sol2
- Experiments with onion plants.
- 15034 VERDUCI, P. Azione radioattiva comparata dei composti di uranio sulla germinazione e sullo sviluppo dei semi. Soc. Ital. di Biol. Sper. B. 20: 333-334. June/July 1945. 442.8 Sol2
- 15035 VOLK, N. J. Nutritional factors affecting cotton rust. Amer. Soc. Agron. J. 38(1): 6-12. Jan. 1946. 4 Am34P
- A physiological disease.
- 15036 WALLACE, T., HEWITT, E. J., and NICHOLAS, D. J. D. Determination of factors injurious to plants in acid soils. Nature (London), 156: 778-779. Dec. 29, 1945. 472 N21
- 15037 WIKÉN, T., and ÅGREN, G. Studies on the growth of *Phycomyces blakesleeana* in connection with determinations of the thiamin inactivating fish factor. Arkiv för Bot., v. 32A, No. 9, 19 p. Nov. 16, 1945. 451 Sv2
- 15038 YALPOLSKY, C. The barley grain observations on physiology and germination. Wallerstein Lab. Commun. 8: 169-178. Dec. 1945. Ref. 390 W15
- 15039 YARWOOD, C. E. Detached leaf culture. Bot. Rev. 12: 1-56. Jan. 1946. Ref., p. 43-56. 450 B652J
- 15040 YUSUF, M. D., and DUTT, N. L. Photo-period in relation to flowering in sugarcane. Cur. Sci. 14: 304-306. Nov. 1945. 475 Sci23
- 15041 BURSTROM, R. Studies on the buffer systems of cells. Arkiv för Bot., v. 32A, No. 7, 18 p. Nov. 16, 1945. 451 Sv2
- 15042 COUCH, J. P., NACHSKI, J., and KREWSON, C. P. Buckwheat as a source of rutin. Science 103: 197-198. Feb. 15, 1946. Ref. 470 Sci2
- 15043 ELLIS, G. H., RANDOLPH, L. F., and MATRONE, G. A comparison of the chemical composition of diploid and tetraploid corn. J. Agr. Res. 72: 123-130. Feb. 1, 1946. Ref. 1 Ag84J
- 15044 EZELL, B. D., and WILCOX, M. S. The ratio of carotene to carotenoid pigments in sweet-potato varieties. Science 103: 193-194. Feb. 15, 1946. Ref. 470 Sci2
- 15045 GUSTAFSSON, A. Ascorbic acid in Rosa hybrids. Hereditas 31: 489-497. May 4, 1945. Ref. 442.8 H42
- A comparison between parents and hybrids; hip fertility and ascorbic acid.
- 15046 HEARD, C. R. C. On phosphoric esters in barley. New Phytol. 44: 184-190. Dec. 1945. Ref. 450 N42
- 15047 KLYKOV, A. P. Tyrosinase enzyme in the causative agent of the black bacteriosis [*Bacterium translucens* var. *undulosum*] of cereals. Acad. des Sci. de l'U.R.S.S. Compt. Rend. 47: 597. June 20, 1945. Ref. 511 P444
- 15048 MARTIN, W. E., and GANDARA, J. A. Alkaloid content of Ecuadorian and other American Cinchona barks. Bot. Gaz. 107: 184-199. Dec. 1945. 450 B652
- 15049 MATHER, K., and BARTON-WRIGHT, E. C. Nicotinic acid in sugary and starchy maize. Nature (London), 157: 109-110. Jan. 26, 1946. 472 N21
- 15050 ORRU, A., and FRATONI, A. Su un principio nocivo presente nei semi di *Canavalia ensiformis*. I-II. Soc. Ital. di Biol. Sper. B. 20: 200-203. Apr./May 1945. 442.8 Sol2
- 15051 PANSE, T. B., and SREENIVASAN, A. Stability of vitamin C in drumstick leaf *Moringa oleifera*. Cur. Sci. 14: 303-304. Nov. 1945. 475 Sci23
- 15052 RALEIGH, G. J. Glutamine from rye grass. Science 103: 206-207. Feb. 15, 1946. 470 Sci2
- 15053 RENAUD, J., and LACHAUX, M. Recherches sur la formation de lactoflavine à partir de l'*Tremothecium ashbyi*. Influence des constituants du milieu sur la production du pigment. Paris. Acad. des Sci. Compt. Rend. 221: 187-188. Aug. 6, 1945. 505 P21
- 15054 RICCERI, G. Ricerca quantitativa dell'arginina nei semi di graminacee e di leguminose. Soc. Ital. di Biol. Sper. B. 20: 22-23. Jan./Mar. 1945. 442.8 Sol2
- 15055 SINCLAIR, W. B., and ENY, D. M. The organic acids of lemon fruits. Bot. Gaz. 107: 231-242. Dec. 1945. 450 B652
- 15056 SLATENSEK, J. M. The occurrence, methods of determination, and inheritance of coumarin in sweetclover, *Melilotus*. Nebr. U. Abs. Doct. Diss. 1945: 1-7. 1946. 241.8 N28
- 15057 STADTMAN, T. C., VAUGHN, R. H., and MARSH, G. L. Decomposition of tartrates by some common fungi. J. Ract. 50: 691-700. Dec. 1945. Ref. 448.3 J82
- 15058 VERDUCI, P. Sui caratteri differenziali delle sostanze tossiche contenute nei funghi velenosi *Amanita*, della Calabria e della Sicilia e sulle difficoltà del loro isolamento. Soc. Ital. di Biol. Sper. B. 20: 259. Apr./May 1945. 442.8 Sol2
- 15059 YIN, H. C. A histochemical study of the distribution of phosphatase in plant tissues. New Phytol. 44: 191-195. Dec. 1945. 450 N42



15060 ZECHMEISTER, L., and SANDOVAL, A. The occurrence and estimation of phytofluene in plants. Arch. Biochem. 8: 425-430. Dec. 19, 1945. 381 Ar2

### SILVICULTURE

15061 BILONI, J. S. Los robles o hayas [Nothofagus] de la Patagonia Argentina. Chacra 16(182): 26-27, 86. Dec. 1945. 9 C34

15062 COOKE, G. B. Cork oak planting in 1946. Chemurg. Digest 5(1): 9-10. Jan. 15, 1946. 381 N213Na

15063 FRÉDOU, C. La préparation des graines de résineux, un nouveau modèle de sécherie. Rev. des Eaux et Forêts 83: 641-655. Nov. 1945. 99.8 R322

15064 KEITHLEY, M. M. How to start a Christmas tree farm this spring. West. Farm Life 48(4): 5, 17. Feb. 15, 1946. 6 R153

15065 LOPEZ, E. D., and CUSANO, C. M. Los montes artificiales en nuestro país. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 457. Dec. 6, 1945. 9.9 G15B

15066 QUINTEROS, M. Orientaciones en la silvicultura nacional. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 432-433. Nov. 15, 1945. 9.9 G15B

The influence of soil and climate on forests in Uruguay.

15067 SALOMONE, G. A. Instrucciones para la siembra y trasplante del eucalipto. Asoc. Rural del Uruguay. Rev. 72(10): 80-81. Oct. 1945. 9.9 Aa5

15068 STOCKWELL, P. Tree breeding. Timberman 47(4): 44-45, 52. Feb. 1946. 99.81 T484

15069 YARHAM, E. R. Nursing Britain's new forests. Gard. Chron. 118: 270. Dec. 29, 1945. 80 G162

### FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

#### General

15070 EABBITT, D. M. Sowing light seed. N. J. Farm and Gard. 17(2): 14. Feb. 1946. 6 G162

15071 BRADLEY, C. Planned rotation program pays off. Irrig. Farmer 3(9): 1. Jan. 10, 1946. 55.8 Irs

Discussion of beet farming methods.

15072 CHAMPLIN, M. Rotate for tomorrow. Country Guide 65(1): 8, 25. Jan. 1945. 7 G76

15073 DICKEY, J. B. R. Crop rotations. Pa. Farmer 134: 47. Jan. 26, 1946. 6 P383

First of two articles.

15074 HELM, C. A. Rotations providing abundant roughage. Milking for a Living 9(11): 3. Dec. 1945. 280.28 M594

15075 YUSHCHENKO, N. Kolkhoznoe semenovodstvo. Kolkhoz. Proizvod. 5(7): 24. July 1945. 281.8 K83  
Seed production on a collective farm in the Krasnodar region.

15076 JENSEN, L. A. Adapted [field] crop varieties for North Dakota. Dakota Farmer 66(2): 6. Jan. 19, 1946. 6 D14

15077 KEIM, F. D. The Nebraska farmers opportunity in seed production. Nebr. State Bd. Agr. Ann. Rpt. 1945: 220-225. 2 N27R  
Varieties of field crops.

15078 KHARCHENKO, V. Kogda nachinat' uborku khlebov i bobovykh rastenii [When to start the harvesting of cereals and legumes]. Kolkhoz. Proizvod. 5(6): 16-17. June 1945. 281.8 K83

15079 LESPÉRANCE, R. La grande culture et l'expérimentation au collège MacDonald. III. Choux de Siam, betteraves et lin à filasse. Terre de Chez Nous 18(19, 1. e. 18): 6, 19. Feb. 6, 1946. 7 T27

15080 OLDERSHAW, A. W. Success with field crops at Sudbourne Park. Field 186: 692. Dec. 29, 1945. 10 P45

15081 RESEARCH and the farmer; IX. Plant breeding. North. Ireland. Min. Agr. Monthly Rpt. 20: 258-260. Jan. 1946. 256.13 Ag83M  
Oats, flax, and potatoes.

15082 SUMMACH, A. Controlling the depth of seeding. Saskatchewan Farmer 37(3): 12. Feb. 1, 1946. 7 Sa74

15083 T., D. S. Seed testing. Rural New-Yorker 105: 93. Feb. 2, 1946. 6 R88  
Fieldcrops.

15084 U. S. S. R. SOVET NARODNYKH KOMISSAROV I TSK VKP(b). O merakh po uluchsheniū dela vvodenīa i osvoenīa sevooborotov v kolkhozakh. Sotsialist. Sel'sk. Khoz. 16(7/8): 19-29. July/Aug. 1945. 281.8 So73

Program for the improvement and adaptation of crop rotation systems on the collective farms.

15085 VODKOV, A. Semenovodstvo v sovkhlozakh [Seed production on the state farms]. Sovkhloz. Proizvod. 5(4/5): 17-20. Apr./May 1945. 20 So85  
Mainly agricultural technique.

#### Cereals

15086 ARBOUR, M. B. All Louisiana tries out the new corn hybrids. Prog. Farmer, Miss.-Ark.-La. Ed. 61(2): 14, 81. Feb. 1946. 6 So81

15087 ARGUELLO CONTRERAS, R. A. Descripción de la planta de maíz. Rev. de Agr. [San José], 17: 615-616. Dec. 1945. 8 Eal

15088 BUTLER, E. Ferris Watson and his hybrid corn plant. Prog. Farmer, Tex. Ed. 61(2): 21. Feb. 1946. 6 T311

15089 CRAGO, C. H. The wheats of New South Wales. Assoc. Oper. Millers. B., Feb. 1946, p. 1495-1496. 298.9 As7

15090 DAAB. Some of the qualities of "Fulghum" oats. (In Hebrew.) Hassadeh 26: 66. Nov./Dec. 1945. 26 H27

15091 DONHAM, R. A. Hoosier in Arizona gives many Megari [sorghum] answers. Farmers Guide 102 (4): 4. Feb. 15, 1946. 6 In2

15092 ELIASSON, S., and JACOBSON, G. Sortförsök med höstad. Sammanställningar av resultaten av de av Jordbruksförsöksanstalten ledda försöken med höstvet och höstrag under åren 1939 (1929)-1943 (Variety trials with autumn sown cereals. A collation of the results of the variety trials of winter wheat and winter rye conducted by the Agricultural Experiment Station in 1939 (1929)-1943). Sweden. Lantbrukshögsk. Meddel., No. 13, 199 p. Stockholm, 1945. Ref. 104 Up63  
English summary.

15093 ERASMUS, J. C. Maize crops may be increased by cultivation & weed control. Farmer [Pietmaritzburg] 34(49): 12. Dec. 7, 1945. 24 F227

15094 GRAMLICH, H. J. Corn - the wonder crop. Nebr. State Bd. Agr. Ann. Rpt. 1945: 176-181. 2 N27R

15095 HAINS, G. Le blé canadien. Rev. d'Oka 19: 179-181. Nov./Dec. 1945. 7 Ok1

15096 HAYES, H. K., RINKE, E. H., and TSIANG, Y. S. The relationship between predicted performance of double crosses of corn in one year with predicted and actual performance of double crosses in later years. Amer. Soc. Agron. J. 38(1): 60-67. Jan. 1946. 4 Am34P

- 15097 HLYNKA, K. "Montcalm," new Canadian malt-ing barley is result of 22 years of research work. *Canad. Grain J.* 1(6): 10-11. Jan. 1946. 59.8 C16
- 15098 HURST, F. J. Hybrid seed corn for the deep South. *Prog. Farmer, Miss.-Ark.-La. Ed.* 61(2): 14. Feb. 1946. 6 So81
- 15099 IAKUSHKIN, I. Ozimyi sev [Winter sowing]. *Kolkhoz. Proizvod.* 5(7): 23-24. July 1945. 281.8 K83  
Of cereals.
- 15100 KOSTRINSKY, J. The sowing time of wheat. (In Hebrew.) *Hassadeh* 26: 59-64. Nov./Dec. 1945. 26 H27
- 15101 LONNQUIST, J. H. Can we expect better corn hybrids? *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 187-195. 2 N27R
- 15102 LOVE, H. H. Breeding experiments promise better oats for New York. *Farm Res. [N. Y. State Sta.]* 12(1): 18. Jan. 1946. 100 N48A
- 15103 LUDLAM, F. S., and OWEN, C. H. Identification of barley varieties grown in Canada by examination of threshed grain. *Wallerstein Lab. Commun.* 8: 179-193. Dec. 1945. 390 W15
- 15104 MAXWELL, R. W. Ajax and Erban oats favored in Carleton Co. *Marit. Farmer and Co-op. Dairyman* 51(7): 3. 19. Jan. 1, 1946. 7 C77
- 15105 MILLER, C. C. Miller's Dwarfs: custom-built broom corn. *South. Seedsman* 9(1): 12, 47. Jan. 1946. 61.8 So8
- 15106 MORALES ANTEQUEIRA, C. Del campo manchego; el trigo en los pequeños regadíos. *Surco [Madrid]* 4(44): 13-15. Oct. 1945. 15 Su7
- 15107 NÚÑEZ, A. Los bajos rendimientos del maíz. *Asoc. Rural del Uruguay. Rev.* 72(10): 66-69. Oct. 1945. 9.9 As5
- 15108 NÚÑEZ, A. Es necesario limpiar al maíz de sus enemigos naturales. II. Sequías o lluvias excesivas. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 425 (To be cont.) Nov. 8, 1945. 9.9 G15B
- 15109 NÚÑEZ, A. El maíz en las rotaciones de cultivo. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 409. Oct. 25, 1945. 9.9 G15B
- 15110 QUISENBERRY, K. S., and WEBSTER, O. J. What's the matter with our barley? *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 204-214. 2 N27R
- 15111 ROGERS, T. H. Best corn to plant. This Month in Rural Ala., Feb. 1946, p. 5. 6 T34
- 15112 SAFRONOV, A. Krymskaya psheinita [Crimean wheat]. *Sovkhoz. Proizvod.* 5(4/5): 21-22. Apr./May 1945. 20 So85  
Includes culture.
- 15113 SCARSETH, G. D. Are you wasting sunshine? *Hoosier Farmer* 31(1): 8, 30. Jan. 1946. 280.82 H76  
Corn culture.
- 15114 SOULIER, E. J. A composite perennial Elymus-wheat-Agropyrum hybrid. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* 47: 578-579. June 20, 1945. 511 P444
- 15115 T. Europas reiseländer. *Schweiz. Gart.* No. 8, p. 232-233. Aug. 1945. 80 Sch93
- 15116 TILT, J. The Algerian oat crop. *Tasmanian J. Agr.* 16: 155-156, 162. Nov. 1, 1945. 23 T182T
- 15117 WALDRON, L. R. Increase of wheat yields resulting from modern breeding methods. *N. Dak. Agr. Expt. Sta. Bimo. B.* 8(2): 14-16. Nov./Dec. 1945. 100 N813B
- 15118 CRANE, J. C., ACUÑA, J. B., and ALONSO, R. E. Effect of plant spacing and time of planting on fiber yield of kenaf, *Hibiscus cannabinus* L. *Amer. Soc. Agron. J.* 38(1): 46-59. Jan. 1946. 4 Am34P
- 15120 INDIAN CENTRAL COTTON COMMITTEE. Techno-logical Laboratory. Annual report, 1944/45, 47 p. Bombay, 1945. 72.9 In233A
- 15121 MALBERTI, F. Posibilidades de la producción algodonnara en Cuba. *Cuba. Min. de Agr. Rev.* 28(4): 34-38. Oct./Dec. 1945. 8 Ag88Re
- 15122 O'KELLY, J. F. Cotton varieties at hill stations, 1945. *Miss. Farm. Res. [Miss. Sta.]* 8(12): 6, 5. Dec. 1945. 100 M69M  
Yields of different varieties.
- 15123 RAMOS, I. Causas da baixa produtividade do algodão e meios de evitá-la. *Rev. Rural Bras.* 25(302): 40-46. Oct. 1945. 9.2 B733
- 15124 REYES, C. A. Abacá, su cultivo, sus posibilidades y su industrialización. *Panama. Min. de Agr. y Com. Rev. de Agr. y Com.* 5(51): 39-58. Nov. 1945. 8 R3291  
Chiefly culture.
- 15125 THURNE, J. J. Consideraciones sobre el cultivo del lino en Chile. *Agrario* 10(368): 14. Sept. 1945. 9.3 Ag85

#### Forage Crops and Grasses

- 15126 ALLRED, B. W. Southwestern range plants. *Sheep and Goat Raiser* 26(4): 6-7, 26; (5): 10-11, 22. Jan.-Feb. 1946. 45.8 Sh3
- 15127 BARNHILL, O. H. Revolution in range reseeding. Pellet planting from airplane promises a new departure. *Amer. Hereford J.* 36(18): 24. Jan. 15, 1946. 43.8 Am32
- 15128 BAVER, L. D. Alfalfa is best hay for North Carolina. *South. Planter* 107(2): 6. Feb. 1946. 6 So89  
Culture.
- 15129 BAVER, L. D. Start pastures with lespedeza now. *Prog. Farmer, Car.-Va. Ed.* 61(2): 22, 73, 76. Feb. 1946. 6 P945
- 15130 BLASER, R. E. Florida's legume pastures depend on seed source. *Better Crops with Plant Food* 29(10): 11-13, 44. Dec. 1945. 6 B46
- 15131 BUTLER, E. Kudzu, the wonder crop. *Prog. Farmer, Tex. Ed.* 61(2): 14. Feb. 1946. 6 T311
- 15132 CAFFREY, M. Some problems of grassland formation. *Agr. Ireland* 3: 157-159. Jan. 1946. 10.5 Ag8
- 15133 CARGOULD, P. R. Kudzu in the North. *Land* 4: 456-458. Autumn 1945. 279.8 L22
- 15134 CARNES, E. Kudzu is finding place on South Carolina farms. *Victory Farm Forum*, No. 21, p. 10. Jan. 1946. 281.8 F226
- 15135 COLLINS, W. O. A winter cover crop [Austrian winter peas]. *Ga. Agr.* 37(3): 10. Dec. 1945. 276.8 G29
- 15136 COOPER, J. F. Florida likes white Dutch clover. *South. Agr.* 76(2): 42. Feb. 1946. 6 So83
- 15137 COSTELLO, D. F. Know your range grasses and plants; mountain snowberry (*Symphoricarpos oreophilus*). *Westerner* 9(1): 27-28. Feb. 1946. 49 W522
- 15138 DAHLMAN, H. Ranger alfalfa. *Mont. Farmer* 33(11): 5. Feb. 1, 1946. 6 M764
- 15139 DICKY, J. B. R. Farm practice; more and better hay. *Pa. Farmer* 134: 76, 103. Feb. 9, 1946. 6 P383
- 15140 DOBROKHOTOV, I. Uborka urozhaia s semen-nykh uchastkov [Harvesting seeds from the forage crop plots]. *Kolkhoz. Proizvod.* 5(7): 20-21. July 1945. 281.8 K83

#### Fiber Crops

- 15118 CARMICHAEL, J. P. Georgia farmers learn quality cotton "pays off." *Better Farming Methods* 18(2): 18, 25. Feb. 1946. 58.8 B46



- 15141 DUARTE, J. A queima dos pastos. Chacaras e Quintais 72: 590-591. Nov. 15, 1945. 9.2 C34
- 15142 ELROD, J. M., and BLEDSOE, R. F. Lespedeza sericea in Georgia. Ga. Farmer's Market B. 29(20): 8. Jan. 30, 1946. 280.39 G292
- 15143 ETHERINGTON, J. W. More about grass leys on the Kinangop, Kenya. East African Agr. J. 11: 57-68. Oct. 1945. 24 Ea74
- 15144 FAULKNER, E. H. Five head per acre! No limit to grazing possibilities. Country Book Mag. 5(3): 3-8. Winter 1946. 6 C836
- 15145 FRENCH, M. H. The compositions of different types of star grass. East African Agr. J. 11: 100-103. Oct. 1945. Ref. 24 Ea74
- 15146 FRIEND, W. H. Emerald sweet clover. Tex. Farming and Citric. 22(7): 17. Jan. 1946. 80 T31
- 15147 FYNN, C. A. La remolacha forrajera. Asoc. Rural del Uruguay. Rev. 72(10): 87-88. Oct. 1945. 9.9 As5
- 15148 GAUTHIER, P. M. Essais de variétés de mil, trèfle rouge et luzerne. Terre de Chez Nous 18(18, 1. e. 17): 6, 15. Jan. 30, 1946. 7 T27
- 15149 GRASSLAND on the farm; I. problems and possibilities. North. Ireland. Min. Agr. Monthly Rpt. 20: 264-267. Jan. 1946. 256.13 Ag83M
- Pasture management.
- 15150 HOLLOWELL, E. A. Ladino clover arrives in the Cornbelt. Successful Farming 44(2): 64-67. Feb. 1946. 6 Su12
- 15151 HURWITZ, S., and GOLDIN, A. Experiments with purple vetch. (In Hebrew.) Hassadeh 26: 64-66. Nov./Dec. 1945. 26 H27
- 15152 JIMENEZ, M. El kikuyo y la agricultura. Rev. Nac. de Agr. [Bogotá] 39(492): 75-76. Sept./Oct. 1945. 9.4 R32
- 15153 JOHNSTONE, W. C. Alfalfa needs good treatment. South. Agr. 76(2): 42. Feb. 1946. 6 So83
- 15154 JOHNSTONE, W. C. Winter care of pasture. South. Agr. 76(1): 21. Jan. 1946. 6 So83
- 15155 KHARCHENKO, V. Uborka mnogoletnikh trava na semena [Harvesting of perennial forage plants and grasses for seeds]. Kolkhoz. Proizvod. 5(7): 21-22. July 1945. 281.8 K83
- 15156 KINGHORN, G. Pastures for Northwest coastal areas. West. Dairy J. 2(4): 12-13, 71-72. Feb. 1946. 44.8 W524
- 15157 KUNKLER, L. E. Permanent pastures. Thoroughbred of Calif. 5(1): 16, 61. Jan. 1946. 42.8 T393
- 15158 LANCASTER, R. R. Are pastures better in east Texas or in west Texas. Farmer-Stockman 59(1): 3. Jan. 1946. 6 Ok45
- Analysis and composition of some forage plants.
- 15159 LASNIER, G. Le bromes. Rev. d'Oka 19: 173-175. Nov./Dec. 1945. 7 Ok1
- 15160 LATHROP, J. E. Importance of improved pasture. Aberdeen-Angus J. 27(6): 56, 112. Jan. 1946. 43.8 Ab3
- 15161 LAURANCE, J. D. Trial with a new grass - Phalaris tuberosa. Gt. Brit. Min. Agr. Agriculture 52: 454-455. Jan. 1946. 10 G79J
- 15162 LEWIS, H. Rye grass makes heavier hogs. Farmer-Stockman 59(1): 51. Jan. 1946. 6 Ok45
- 15163 LIEBENBERG, L. C. C. Grass: the key to reconstruction. Farmer-Pietermaritzburg, 34(48): 8. Nov. 30, 1945. 24 F227
- 15164 MCNEELY, M. Clover and lespedeza recommended. Rice J. 49(1): 10, 25. Jan. 1946. 58.8 R36
- Recommendations of County Agent G. B. Martin, of St. Landry Parish, La.
- 15165 MCVICKAR, M. H. New alfalfa variety developed in Virginia. South. Planter 107(2): 21. Feb. 1946. 6 So89
- 15166 MAULDIN, R. C. Dryland range, pasture and erosion control grasses. Tex. Livestock J. 4(12): 6. Dec. 15, 1945. 49 T29
- 15167 MEAD, R. M. Birdsfoot trefoil [as a forage crop]. New England Homestead 119(1): 7. Jan. 12, 1946. 6 N442
- 15168 MILES, W. Range productivity can be increased by clearing and grubbing grazing land. Utah Farmer 65(11): 8, 23. Jan. 25, 1946. 6 D45
- 15169 MILLER, P. R. Bird's-foot trefoil [Lotus corniculatus]. New England Homestead 119(3): 16. Feb. 9, 1946. 6 N442
- Seed production.
- 15170 PAYEUR, J. B. Considérations sur le genre Agropyron Gaertn. Rev. d'Oka 19: 176-178. Nov./Dec. 1945. 7 Ok1
- A. repens and A. cristatum.
- 15171 RICKARD, J. A. Blue panic grass. Your Farm 4(4): 39-42. Feb. 1946. 6 Y8
- Panicum antidotale.
- 15172 ROBINSON, J. M. Animal food grows on trees; wider use for the honey locust. Country Book Mag. 5(3): 67-71. Winter 1946. 6 C836
- 15173 ROF CODINA, J. El trébol rojo o violeta en los países de clima húmedo. Cult. Mod. 28: 413-414. Nov. 1945. 15 C89
- 15174 SAVAGE, D. A., and SMITH, J. E. Regrass-ing methods for the Southern Great Plains. Cattleman 32(9): 120, 122-125, 127-129, 132-134. Feb. 1946. 49 C29
- 15175 SEVIVIS, G. Seeding mixtures for 1946. Amer. Agr. 143: 57, 60. Feb. 2, 1946. 6 Am3
- Forage crops.
- 15176 SEVERSON, H. Crimson clover proves value as legume and pasture crop. Seed World 59: 8-10. Jan. 4, 1946. 61.8 Se52
- 15177 SNIDER, H. J. Three-way benefit of clover. Capper's Farmer 57(2): 24. Feb. 1946. 6 M693
- 15178 SQUIBB, R. L. El cultivo del pasto Sudan bajo las condiciones húmedas del trópico. Rev. de Agr. [San José, 585-587. Dec. 1945. 8 Es1
- Translated by J. Antonio Jimenez V.
- 15179 STITT, R. E. Natural crossing and segregation in sericea lespedeza, Lespedeza cuneata (Dumont) G. Don. Amer. Soc. Agron. J. 38(1): 1-5. Jan. 1946. 4 Am34p
- 15180 TABOR, P. Lespedeza. Prog. Farmer, Miss.-Ark.-La. Ed. 61(2): 17, 82. (To be cont.) Feb. 1946. 6 So81
- 15181 TABOR, P. Lespedeza, once a harmless weed, now one of nature's greatest providers. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(2): 17, 81-82. Feb. 1946. 6 P945K
- 15182 THOMPSON, D. W. Research--and more grass. Ariz. Farmer 25(1): 16, 24. Jan. 12, 1946. 6 Ar44
- Planting.
- 15183 TREMBLAY, A. Les pâturins du Québec. Rev. d'Oka 19: 182-185. Nov./Dec. 1945. 7 Ok1
- 15184 TURK, K. L. Planning better pasture and hay crops. Dairymen's League News 30(4): 6. Feb. 12, 1946. 44.8 D1432
- 15185 WARD, F. E. Pampas grass trial in southern Tasmania. Tasmanian J. Agr. 16: 152-154. Nov. 1, 1945. 23 T182T
- 15186 WHITTET, J. N. Pasture improvement in the slopes, plains and western division. Agr. Gaz. N. S. Wales 56: 479-483. (To be cont.) Nov. 1945. 23 W479
- 15187 WILSON, R. J. The management and harvesting of grass and clover seeds. Tasmanian J. Agr. 16: 134-137. Nov. 1, 1945. 23 T182T
- 15188 ZHADAIEV, N. 30 pudov semian klevra s geklara [30 poods of clover seed from one hectare]. Kolkhoz. Proizvod. 5(6): 25. June 1945. 281.8 K83
- Includes culture.

Oil Crops

- 15189 BATTEN, E. T. High-yielding Hollands enter the peanut picture. South. Seedsman 9(1): 13. Jan. 1946. 61.8 So8
- 15190 FARMER, G. R. A peanut harvest assembly line. Prog. Farmer, Tex. Ed. 61(3): 15. Mar. 1946. 6 T311
- 15191 LANGHAM, D. G. Plantas de ajonjolí (Sesamum indicum L.) que se tornan amarillas antes de la madurez. Agr. Venezol. 10(111): 16. July/Nov. 1945. 9.95 Ag8
- 15192 MARCHBANKS, M. Story of the peanut. Soybean Digest 6(3): 11-13, 33. Jan. 1946. 60.38 So9
- 15193 NATIONAL PEANUT COUNCIL, INC. Annual report, 1945, 22 p. Atlanta, 1946. 77.9 N21
- 15194 SALDIAS, M. O. El girasol en Entre Ríos; su incorporación a la agricultura local. Chacra 16 (182): 12, 29. Dec. 1945. 9 C34
- 15195 STOA, T. E. Sheyenne flaxseed for sowing in 1946. N. Dak. Agr. Expt. Sta. Bimo. B. 8(2): 7-8. Nov./Dec. 1945. 100 N813B
- 15196 SWINBANK, J. C. Nebraska 5-acre soybean yield contest - 1944. Nebr. State Bd. Agr. Ann. Rpt. 1945: 231-239. 2 N27R

Sugar Crops

- 15197 CARRERAS G., J. Como propagar rapidamente la caña de azúcar. Rancho 2(3): 16-17, 48. Jan. 1946. 8 R15R
- 15198 JAVASAHIB. A plea for locating Central Sugar Research Institute at Poona. Indian Sugar 8: 394-395. Nov. 1945. 65.8 In25
- 15199 L., H. M. Varietal changes in Hawaii. Internatl. Sugar J. 48(565): 5-6. Jan. 1946. 65.8 In8
- 15200 PETERBURGSKIĬ, A. Novoe v kul'ture sakharnoi svezki [Something new in the culture of sugar beet]. Sovkhoz. Proizvod. 5(4/5): 49. Apr./May 1945. 20 So85
- Segmentation of sugar-beet seed.
- 15201 SAMPAIO, S. C., CONAGIN, A., and MORAES, L. T. Contribuição para o estudo das variedades de cana de açúcar cultivadas no Estado de São Paulo. Rev. de Agr. Piracicaba, 20: 403-408. Sept./Dec. 1945. 9.2 R324
- 15202 SOKOLOVSKIĬ, P. Sevooboroty v oroshayemykh rayonakh svezkoseianiiia [Crop rotations in the irrigated regions for sugar beet planting]. Sotsialist. Sel'sk. Khoz. 16(7): 43-45. July/Aug. 1945. 281.8 So73
- 15203 WILLIAMS, C. H. B., and CAMERON, C. Field experiments with sugar cane. XIII. Brit. Guiana. Dept. Agr. Sugar Expt. Stas. Com. Sugar B. 13, p. 1-29. 1945. 65.9 B773
- Variety and manurial trials.
- 15204 WILLIAMS, C. H. B. The variety and the fertilizer position of the sugar industry. Brit. Guiana. Dept. Agr. Sugar Expt. Stas. Com. Sugar B. 13, p. 31-36. 1945. 65.9 B773

Tobacco

- 15205 HENNETT, R. R. Start tobacco plant beds early. South. Planter 107(1): 24-25. Jan. 1946. 6 So89
- 15206 HUNT, R. Don't take chances on burley tobacco; seed of unknown ancestry. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(2): 22, 33, 73. Feb. 1946. 6 P945K
- 15207 MUÑOZ OTERO, S. Nuestro tabaco guácharo. Agr. Venezol. 10(111): 20-22, 43. July/Nov. 1945. 9.95 Ag8

HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

General

- 15208 A., E. Oeschberg 1920-1945. Schweiz. Gart., No. 8, p. 213-214. Aug. 1945. 80 Sch93
- Twenty-fifth anniversary of the Oeschberg Gartenbauschule.
- 15209 ALLEN, V. Make full use of your continuous cloches. Pop. Gard. 47: 386. Feb. 2, 1946. 80 G1622
- 15210 AVERY, G. S., JR. Experimental horticulture. Hort. Soc. N. Y. Monthly B. 17(1): 5. Jan. 1946. 81 N482M
- 15211 BENTLEY, G. M. List of certified Tennessee nurseries, collectors of native shrubs, greenhouses, strawberry plant growers and bulb growers, 1945-1946. Tenn. Dept. Agr. Div. Insect and Plant Dis. Control B. 95(v. 27, No. 1), 25 p, processed. Knoxville, 1946. 423 T25
- 15212 COPLEY, G. What is a "good" gardener? Smallholder 74(1870): 6. Jan. 18, 1946. 10 Sml
- 15213 EAST MALLING RESEARCH STATION. General [horticultural] development and activities. East Malling [Kent] Res. Sta. Ann. Rpt. (1944) v. 32, sup., 17 p. Aug. 1945. 103 Ea7
- 15214 EVERETT, T. H. Time-table for advance seed sowing. Home Gard. 7(1): 17-20. Jan. 1946. 80 H756
- 15215 FAULKNER, R. P. First principles of horticulture. II-III. Gard. Chron. 119: 20, 30-31. Jan. 12, 19, 1946. 80 G162
- 15216 GOMES E SOUSA, A. DE F. Jardins de Moçambique. Moçambique 11: 5-21. July/Sept. 1945. 110 M71
- 15217 GRAY, T. D. February is first garden month. W. Va. Farm News 24(11): 12, 5. Feb. 1946. 275.293 W. Va.
- 15218 HOLMAN, R. L. Farming without soil. Amer. Mercury 62(265): 96-100. Jan. 1946. 110 Am35
- 15219 JONES, D. F. Making seeds grow. Rural New-Yorker 105: 145. Feb. 16, 1946. 6 R88
- Fruit and vegetable planting.
- 15220 PFEIFFER, E. E. Making gardening easy with cold frames. Organic Gard. Ser. 8(3): 28-32. Feb. 1946. 56.8 Or3
- 15221 SEUBERT, W. H. A method of evacuating trunk or basal cavities without unnecessary weakening of the trunk. Arborist's News 11(1): 3-5. Jan. 1946. 99.8 Ar14
- 15222 SHEWELL-COOPER, W. E. Experiments in orchard and garden. Field 187: 108. Jan. 26, 1946. 10 F45
- Review of Kent Incorporated Society for Promoting Experiments in Horticulture, 32nd Ann. Rpt.
- 15223 WING, A. S. How green will your garden be? Nature Mag. 39: 78-80, 103. Feb. 1946. 409.6 N214
- Vegetable culture and ornamental gardening for 1946.
- 15224 YOUNG, P. A. New hot bed ideas for your trade. South. Seedsman 9(1): 18, 55. Jan. 1946. 61.8 So8

Fruits--General

- 15225 ALTBURG, J. Vegetative propagation of stocks in fruit-tree nurseries. (In Hebrew.) Has-sadeh 26: 75-80. Nov./Dec. 1945. 26 H27
- 15226 BLACKWOOD, B. B. Orchards prove good investment despite neglect. Farmer-Stockman 59(1): 14. Jan. 1946. 6 Ok45
- 15227 CESAR, H. P. A podes de inverno. Rev. de Agr. Piracicaba, 20: 355-357. Sept./Dec. 1945. 9.2 R324



15228 ELLENWOOD, C. W. Fruit productivity is important. Rural New-Yorker 105: 144. Feb. 16, 1946. 6 R88

#### Differences between varieties.

15229 FLORY, W. S., JR. Breeding new fruits for Virginia growers. Va. Fruit 34: 50-56. Jan. 1946. 81 V81B

15230 GIVEON, H. Preparation of the orchard in the hills. (In Hebrew.) Hassadeh 26: 80-84. Nov./Dec. 1945. 26 H27

15231 H., R. Wo ist obstbau am besten angebracht? Schweiz. Gart., No. 11, p. 312-314. Nov. 1945. 80 Sch93

15232 HERSHKOVITZ, E. Arboreta for stocks. (In Hebrew.) Hassadeh 26: 92-93. Nov./Dec. 1945. 26 H27

15233 HOGG, D. J. Spraying and thinning fruit trees. New Zeal. J. Agr. 71: 527. Nov. 1945. 23 N48J

15234 HOPPERT, E. H. Discussion and demonstration of the pruning of fruit trees. Nebr. State Bd. Agr. Ann. Rpt. 1945: 452-457. 2 N27R

15235 JUNGEMAN, A. A. Home fruit garden. Pacific Rural Press, North. Ed. 151: 57. Jan. 19, 1946. 6 P112

15236 LAL, G. Indian Institute of Fruit Technology, Lyallpur. Punjab Fruit J. 9: 172-173. Oct. 1945. 80 P962

15237 M., E. Fruit planting do's and don'ts. Pop. Gard. 47: 370. Jan. 19, 1946. 80 G1622

15238 MARSHALL, V. The fruit stock situation. Nebr. State Bd. Agr. Ann. Rpt. 1945: 430-431. 2 N27R

15239 NAZARIAN, E. A. Ukhod za plodonosia-shehim sadom [Care of the fruit-bearing orchard]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kol-khoz., No. 28, 8-p. folder. Moskva, 1945. 20 Ag88

15240 POMEROY, A. Fruits for your delight. Gard. Chron. 50: 46-48. Feb. 1946. 80 G1632

15241 S., F. K. Wie pflanze ich meinen obstbaum? Schweiz. Gart., No. 11, p. 311-312. Nov. 1945. 80 Sch93

15242 SCHMID, H. Grundsätzliches zum schnitt der gartenobstbäume. Schweiz. Z. f. Obst- u. Weinbau 54: 458-460. Dec. 22, 1945. 80 Sch9

15243 T. G. W. A famous fruit catalogue. Gard. Chron. 119: 33-34. Jan. 19, 1946. 80 G162

15244 TORRES HERRERA, J. M. Arboricultura frutal. Rev. Nac. de Agr. [Bogotá] 39(492): 40. Sept./Oct. 1945. 9.4 R32

15245 UPSHALL, W. H. Fruit maturity facts and fancies. Canad. Hort. & Home Gard. Mag. Growers' Ed. 69: 9-10, 13. Jan. 1946. 80 C16

15246 URBANS, T. D. The home orchard. Pacific Rural Press, North. Ed. 151(1): 6. Jan. 5, 1946. 6 P112

15247 WALLACE, M. D. Horticulturist outlines nine point program for postwar fruit production. Utah Farmer 65(10): 3, 8. Jan. 10, 1946. 6 D45

#### Fruits--Citrus and Subtropical

15248 ALI, S. Romance of California oranges. Punjab Fruit J. 9: 154-155. Oct. 1945. 80 P962

15249 COELHO DE SOUZA, W. W. A cultura do coqueiro anão. São Paulo. Sec. da Agr., Indús e Com. B. de Agr. (ser. 44) 1943: 197-210. 1945. 9.2 Sa63

15250 CONDIT, I. J. Olive tree propagation. Pacific Rural Press, North. Ed. 151: 106-107. Feb. 2, 1946. 6 P112

15251 DEVOTO, F. E. Necesitamos mejores variedades de nisperos [Eriobotrya japonica] del Japon. Chacra 16(182): 30-31. Dec. 1945. 9 C34

15252 FRIEND, W. H. The care of young citrus trees. Tex. Farming and Citric. 22(7): 22. Jan. 1946. 80 T31

15253 FRIEND, W. H. Pruning young citrus trees. Tex. Farming and Citric. 22(7): 10. Jan. 1946. 80 T31

15254 GOMES, P. A cultura da goiabeira [Psidium guajava]. Chacaras e Quintais 72: 563-564. Nov. 15, 1945. 9.2 C34

15255 HUME, H. H. Propagating citrus trees. Tex. Farming and Citric. 22(7): 16-17. Jan. 1946. 80 T31

15256 JOHNSTON, J. C. Characteristics of good citrus nursery trees. Calif. Citrog. 31: 130. Feb. 1946. 80 C125

15257 JOHNSTON, J. C. Pruning citrus trees. Calif. Citrog. 31: 146-147. Feb. 1946. 80 C125

15258 MOORE, R. E. Tropical fruit growing. Nebr. State Bd. Agr. Ann. Rpt. 1945: 438-442. 2 N27R

15259 MOTT, F. M. Our trip through the citrus South. Calif. Citrog. 31: 110, 122-126. Feb. 1946. 80 C125

15260 PENELLA, J. S. Observaciones practicadas en una plantación de citricas. Agr. Venezol. 10 (11): 4-5. July/Nov. 1945. 9.95 Ag8

15261 SINGH, K. K. Picking oranges. Punjab Fruit J. 9: 163-165. Oct. 1945. 80 P962

15262 U. S. PATENT OFFICE. Plant patent no. 667. Chenoweth, A. R. Avocado tree. 1 p., 1 col. pl. Patented Jan. 15, 1946. 156.65 P69

15263 WHITLOW, S. Satsumas for southeast Texas. Prog. Farmer, Tex. Ed. 61(3): 87. Mar. 1946. 6 T311

15264 YOFFE, I. Citrus varieties. (In Hebrew.) Hassadeh 26: 89-91. (Concl.) Nov./Dec. 1945. 26 H27

#### Fruits--Deciduous

15265 BOGUE, A. Building hardy apple trees by double-working. Farmer's Advocate and Home Mag. 81(3270): 4, 31. Jan. 10, 1946. 7 F22

15266 BURDETT, W. When hard pruning pays. Pop. Gard. 47: 354. Jan. 5, 1946. 80 G1622

15267 BUSH, R. English fruit grows on variety of soils. Better Fruit 40(7): 17-19. Jan. 1946. 80 B46

15268 GROCE, F. M. El duraznero; I Parte: propagación - plantación - cultivos. Vinos, Viñas y Frutas 41: 268-272. Dec. 1945. 9 Ag89

15269 DICKSON, G. H. Newer varieties of plums. Canad. Hort. & Home Gard., Growers' Ed. 69: 5-6. Jan. 1946. 80 C16

15270 ELLENWOOD, C. W. Choosing an orchard site Rural New-Yorker 105: 140. Feb. 16, 1946. 6 R88

15271 FRASER, H. Modern methods of apple pruning. Gard. Illus. 64: 755. Feb. 1946. 80 G169

15272 HALL, C. W. B. Rejuvenate old orchards. Farmer & Stock-Breeder 60: 30. Jan. 1, 1946. 10 F228

15273 HOCKEY, K. C. Rejuvenating pip-fruit trees; "inarching" to promote vigour. New Zeal. J. Agr. 71: 371, 373. Oct. 1945. 23 N48J

15274 HUNT, W. J. The best plum orchard - for 35 years. Successful Farming 44(2): 60, 62. Feb. 1946. 6 Sul2

Culture.  
15275 K., G. S. Fruit selections for heavy and light soils. Pop. Gard. 47: 378. Jan. 26, 1946. 80 G1622

15276 KEENER, R. L. Pruning the peach. Ga. Agr. 37(2): 4, 12-13. Nov. 1945. 276.8 G29

15277 LANTZ, H. L. Top-working techniques in the apple orchard. Nebr. State Bd. Agr. Ann. Rpt. 1945: 443-447. 2 N27R

15278 MANEY, T. J. List of stocks used successfully in topworking apple varieties. Nebr. State Bd. Agr. Rpt. 1945: 447-451. 2 N27R

15279 MANN, A. J. 2-piece or even 3-piece orchard tree justified under certain conditions. Country Life [Vernon] 29, i. e. 30(11, i. e. 1): 2, 27. Jan. 1946. 7 C832

Apple culture in British Columbia.

15280 NARVER, U. C., and MILLIMAN, L. H. Fruit producers gain much from various State horticultural association meetings. Better Fruit 40(7): 9, 12-13. Jan. 1946. 80 B46

15281 NORMAN, C. Cordons are profitable; start inexpensively with maiden apple trees. Pop. Gard. 47: 363. Jan. 12, 1946. 80 G1622

15282 OVERHOLSER, E. L., and TESKE, A. H. Orchard work for winter months. South. Planter 107(2): 12. Feb. 1946. 6 So89

15283 OVIEDO MOTA, A. El durazno. Rancho 2(3): 30-31. Jan. 1946. 8 R15R

15284 PARSONS, H. Choice pears for small gardens. Pop. Gard. 47: 354. Jan. 5, 1946. 80 G1622

15285 S., F. K. Der winterschnitt des pfirwicha. Schweiz. Gart., No. 11, p. 314. Nov. 1945. 80 Sch93

15286 SPAMAN, K. F. I grow these apples and pears. Pop. Gard. 47: 370. Jan. 19, 1946. 80 G1622

15287 SHEWELL-COOPER, W. E. Continuing fruit pruning: now the plums. Smallholder 74(1870): 11. Jan. 18, 1946. 10 Sml

15288 SHEWELL-COOPER, W. E. Now comes the pruning of cherries and pears. Smallholder 74(1871): 11. Jan. 25, 1946. 10 Sml

15289 SHOEMAKER, J. S. Breeding hardy fruits. 3. Steps in the process. Country Guide 65(1): 24. Jan. 1946. 7 G76

15290 SIMMONDS, A. The origin of apple 'Annie Elizabeth.' Roy. Hort. Soc. J. 71: 14-15. Jan. 1946. 84 L84J

15291 TESKE, A. H. How to prune peaches. Prog. Farmer, Car.-Va. Ed. 61(2): 33. Feb. 1946. 6 P945

15292 TUKEY, H. B. How should apple trees be managed in 1946? Rural New-Yorker 105: 84, 86. Feb. 2, 1946. 6 R88

15293 U. S. PATENT OFFICE. Plant patent No. 670. Nicholson, J. W. Peach tree. 1 p., 1 col. pl. Patented Jan. 15, 1946. 156.65 P69

15294 VÁZQUEZ HUMASQUE, A. El cerezo. Rancho 2(3): 24-27. Jan. 1946. 8 R15R

15295 WELDON, G. P. Plant deciduous [fruit] trees early. Pacific Rural Press, South Ed. 151(1): 9. Jan. 5, 1946. 6 P112A

15296 WILLIAMS, M. D. If you want apple orchard you must know how to prune and spray. Farmers Guide 102(4): 3. Feb. 15, 1946. 6 In2

#### Fruits--Small

15297 BALTADORI, A. Resistenza della vite al freddo. Soc. Ital. di Biol. Sper. B. 20: 98-99. Jan./Mar. 1945. 442.8 Sol2

15298 COBB, G. R. Success with blueberries. Better Crops with Plant Food 29(10): 21-22, 46-47. Dec. 1945. 6 B46

15299 E., J. A. Strawberry culture. Rural New-Yorker 105: 144. Feb. 16, 1946. 6 R88

15300 FLEGG, O. D. - Success with gooseberries. Pop. Gard. 47: 378. Jan. 26, 1946. 80 G1622

15301 GARDINER, G. F. Plant a grape vine in your greenhouse. Pop. Gard. 47: 382. Feb. 2, 1946. 80 G1622

15302 JUDKINS, W. P. Elderberry culture in Ohio. Ohio Agr. Expt. Sta. Bimo. B. 30: 187-189. Nov./Dec. 1945. 100 Oh3S  
Sambucus canadensis.

15303 MÁSPOLI, A. O. Instalación de viñedos de ensayo antifiloxéricos. Vinos, Viñas y Frutas 41: 258-262. Dec. 1945. 9 Ag89

15304 SHEWELL-COOPER, W. E. Cultivate the blackberry. Poultry World 78: 9. Jan. 4, 1946. 47.8 P8682

15305 SHEWELL-COOPER, W. E. Fruit pruning starts: the currants first. Smallholder 74(1867): 9. Dec. 28, 1945. 10 Sml

15306 SHEWELL-COOPER, W. E. Proper pruning for the cane fruits. Smallholder 74(1868): 11. Jan. 4, 1946. 10 Sml

15307 SLATE, G. L. Small fruit varieties for the home garden. Amer. Agr. 143: 51, 61. Feb. 2, 1946. 6 Am3

15308 VIERHELLER, A. F. Small fruit for every farm garden. South. Planter 107(2): 44-45. Feb. 1946. 6 So89

Culture and suggested varieties.

15309 WICKS, A. T. Propagation of vines. Gard. Chron. 119: 16. Jan. 12, 1946. 80 G162

15310 WILLIAMS, J. L. Vineyard establishment under Australian conditions. So. Austral. Dept. Agr. J. 49: 163-169. (Cont.) Nov. 1945. 23 So84

15311 WINKLER, A. J. Pruning vineyards. Calif. Cult. 93: 65, 92-93. Feb. 2, 1946. 6 G12

15312 WITHROW, W. A. Strawberries at Walberta Farm. Rural New-Yorker 105: 46-47. Jan. 19, 1946. 6 R88

15313 YAHALIAM, S. The grapes exhibition at Mikveh-Israel. (In Hebrew.) Hassadeh 26: 120-122. Nov./Dec. 1945. 26 H27

#### Nuts

15314 BERHOW, S. Summary of black walnut performance. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 47-51. 1945. 94.69 N81

15315 BURGART, H. P. Origin of the Craxexy butternut. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 59-60. 1945. 94.69 N81

15316 COLLINS, J. N. Growing filberts and chestnuts in Vermont. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 41-42. 1945. 94.69 N81

15317 GROCE, F. M. Poda del nogal. Pampa Argentina 19(219): 12. Nov. 1945. 9 P19

15318 CUENOT, G. Notes sur la classification des amandes. Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc. 15: 225-232. Nov. 1945. 80 F9482

15319 DAVIDSON, J. Notes on early maturity of walnuts. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 44-45. 1945. 94.69 N81

15320 DILLER, J. D., and DILLER, O. D. An Ohio farmer grows his own chestnuts. Amer. Fruit Grower 66: 20, 43. Jan. 1946. 80 G85

15321 GRAVES, A. H. The Brooklyn Botanic Garden chestnut breeding project. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 23-31. 1945. 94.69 N81

15322 HEMMING, E. S. Chinese chestnuts in Maryland. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 32-34. 1945. 94.69 N81

15323 JESSEN, L. S. Macademia strip-tease. Hawaii Farm and Home 9(1): 7, 27. Jan. 1946. 25 H3191

Culture and hulling of macademia nuts.

15324 JONES, D. F. Chestnuts in Connecticut. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 36. 1945. 94.69 N81

15325 LOUNSBERRY, C. C. Test years for black walnuts. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 77-79. 1945. 94.69 N81

15326 MACDANIELS, L. H. Some observations on nut growing in Syria and southern Italy. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 55-57. 1945. 94.69 N81



- 15327 MAGUIRE, E. G. Gifts of the Americas: the piñon. Agr. in the Americas 6: 39. Feb. 1946. 1 F752A  
Chiefly growing and harvesting of the nuts.
- 15328 MILNE, D. Echo Valley [Ontario] hybrids. Canada Lumberman 66(1): 23. 68. Jan. 1, 1946. 99.81 G16  
G. H. Corson's experiments with nut trees.
- 15329 MUSTAFA, A. M., and JANJUA, N. A. Almond growing in Beluchistan. Punjab Fruit J. 9: 156-159. Oct. 1945. 80 P962
- 15330 NIVEN, L. A. Chinese chestnut promising. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(2): 5. Feb. 1946. 6 P945K
- 15331 REED, C. A. Hickory species and stock studies at the Plant Industry Station, Beltsville, Md. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 88-121. 1945. 94.69 N81
- 15332 SCHLEMMER, C. D. Black walnuts on Bell-Air Farm, Fredericksburg, Virginia. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 45-46. 1945. 94.69 N81
- 15333 SERR, E. F. Pruning mature walnut trees. Diamond Walnut News 28(1): 6-7. Jan. 1946. 94.68 D34
- 15334 SHORT, I. W. Northern nuts--what to plant. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 67-68. 1945. 94.69 N81
- 15335 STOKE, H. F. Consider nature's ways in culture of nuts. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 69-70. 1945. 94.69 N81
- 15336 TALBERT, T. J. The black walnut. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 42-44. 1945. 94.69 N81
- 15337 TUTTLE, H. L. Schafer, the Bukowinian walnut. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 52. 1945. 94.69 N81
- 15338 WATTS, R. L. Grow more butternuts. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 58-59. 1945. 94.69 N81
- 15339 WESCHOCKE, C. The present status of chestnuts and other nut trees in Wisconsin. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 39-40. 1945. 94.69 N81
- 15340 ZARGER, T. G. Preliminary yields of certain tree crop varieties in test plantings at Norris, Tennessee. North. Nut Growers Assoc. Ann. Rpt. (1944) 35: 60-61. 1945. 94.69 N81
- Ornamental Plants
- 15341 AMARAL, R. DE. Gran importancia tienen en la Argentina las plantas de interior. Chacra 16 (182): 44-45. Dec. 1945. 9 C34
- 15342 ARARIÁ, rosa. Centrolobium tomentosum Bth. Chacaras e Quintais 72: 583. Nov. 15, 1945. 9.2 C34
- 15343 B., G. J. New and valuable [flower] items for '46. Grower Talks 9(9): 22-27. Jan. 1946. 80 G91
- 15344 B., L. Renovate the shrubbery during the winter months. Pop. Gard. 47: 357. Jan. 5, 1946. 80 G1622  
Pruning.
- 15345 BALTHIS, F. K. Are these familiar? Gard. Chron. 50: 41. Feb. 1946. 80 G1632  
Xaempferia rotunda and Peperomia sandersii.
- 15346 BAZÁN, L. Flores para primavera y verano. Asoc. Rural del Uruguay. Rev. 72(11): 74-77. Nov. 1945. 9.9 A55
- 15347 BLISS, W. Dendrobium culture. Orchid Digest 9: 319-320. July/Sept. 1945. 80 Or172
- 15348 BROWN, J. R. Aloe sledeniana, Pole Evans. Cactus and Succulent J. 18: 3-4. Jan. 1946. 451 C11
- 15349 BROWN, P. D. Vines in the landscape design. Northwest Gard. 13(11): 7-8. Jan. 1946. 80 N813
- 15350 BUNNING, W. A serviceman's home garden design. Country Life [Sydney] 57(21): 16. Nov. 23, 1945. 286.85 Sy2
- 15351 BURKE, S. V. Altar of beauty; there's an orchid show at Foster Gardens [Honolulu] every day of the year. Hawaii Farm and Home 9(1): 12-13, 58. Jan. 1946. 25 H3191
- 15352 FUXTON, B. Begonias across the Nation. Horticulture 24(1): 10. Jan. 1, 1946. 80 H787
- 15353 CAVE, N. L. Comments on newer irises. Iris Ybk. 1945: 14-21. 84 Ir4
- 15354 CHADWICK, L. C. Propagation techniques. Florists' Rev. 97(2513): 41-42. Jan. 24, 1946. 80 W41
- 15355 CHAMPION, F. C. Trees of a rectory garden [Tvesham, Great Britain]. Trees [Dorchester] 9: 95-97. Jan./Mar. 1946. 99.8 W52
- 15356 CHRISTIE-MILLER, C. W. Notes on species for beginners. Iris Ybk. 1945: 30-33. 84 Ir4  
Various species described.
- 15357 CLARK, D. Old fashioned flowers - the petunia. Organic Gard. Ser. 8(3): 7-9. Feb. 1946. 56.8 Or3
- 15358 COPLEY, G. H. The future of rose growing. Gard. Chron. 118: 248. Dec. 15, 1945. 80 G162  
Varieties.
- 15359 COYLE, G. Bare branches. Gard. Chron. 50: 46. Feb. 1946. 80 G1632  
Flower arrangement.
- 15360 CREAGER, D. B. New Gladiolus Research Laboratory. Gladiolus Mag. [New England Gladiolus Soc.] 9(4): 6. Dec. 1945. 96.43 N44
- 15361 DEFOREST, L. Opportunity knocks! This time will the landscape architect miss the bus? Landscape Architecture 36(1): 10. Oct. 1945. 80 L23
- 15362 DERLETH, A. Flowers that skirt the frost. Household Mag. 46(1): 6, 16, 24. Jan. 1946. 321.8 H813  
Includes wild flowers and ornamental plants.
- 15363 DEVERELL, H. F. The kudzu vine in Ohio. Horticulture 24: 77. Feb. 1, 1946. 80 H787
- 15364 DUNSTER, B. P. Evergreens for floral decorations. Gard. Chron. 119: 30. Jan. 19, 1946. 80 G162
- 15365 EDWARDS, G. E. Lilacs will bloom in winter. Family Herald and Weekly Star 77(1): 6. Jan. 2, 1946. 7 F21  
Sprays cut and brought indoors.
- 15366 ERLANSON, C. O., and MORRISON, B. Y. Flores de "Los Buenos Vecinos." Rev. de Agr. [San José] 18: 39, 41-43. Jan. 1946. 8 E41
- 15367 EVERETT, T. H. Plant portraits [Aruncus sylvestris; Chrysanthemum atratum; Kalanchoe magniflora]. Gard. Chron. 50: 42-43. Feb. 1946. 80 G1632
- 15368 FAIRCHILD, D. 3 attractive slender palms. Amer. Eagle 40(38): 1, 3; (39): 1, 3; (40): 1, 3. Jan. 10, 17, 24, 1946. 6 Am327  
Adonidia merellii, Opsandra maya, Chamaedorea pacaya.
- 15369 FIGUEIREDO, R. DE. Rosa da felicidade. Chacaras e Quintais 72: 584-588. Nov. 15, 1945. 9.2 C34
- 15370 FINDLAY, H. The garden in winter. Horticulture 24(1): 9. Jan. 1, 1946. 80 H787
- 15371 FLEGG, O. D. Colourful climbers and shrubs for walls. Pop. Gard. 47: 389. Feb. 2, 1946. 80 G1622
- 15372 FLETCHER, H. L. V. Some facts about roses. Field 187: 106. Jan. 26, 1946. 10 F45

- 15373 FORTYAM, C. D. How they grew for me in 1945. North Amer. Gladiolus Council. B. 4, p. 4, 6. Dec. 1945. 96.43 N81
- 15374 FOSTER, M. B. Do you know the bromeliads? III. Cactus and Succulent J. 18: 8-11. Jan. 1946. 451 C11
- 15375 FOX, W. Further note on Embotrium coccineum. Roy. Hort. Soc. J. 70: 364. Dec. 1945. 84 L84J
- 15376 FREE, M. Do your roses have elbow room? Home Gard. 7(1): 103, 105-109, 111, 113. Jan. 1946. 80 H756
- 15377 FREE, M. Is your plant window decorative? Home Gard. 7(1): 55-60. Jan. 1946. 80 H756
- 15378 FRENCH, C. N. The making of a woodland garden. Gard. Illus. 64: 746-747. Feb. 1946. 80 G169
- 15379 FREY, F. Bilder pflanzen. Schweiz. Gart., No. 11, p. 309. Nov. 1945. 80 Sch93
- 15380 FRIMA, P. Pflanzen aus allen erdteilen in unserm garten. Schweiz. Gart., No. 11, p. 312-319. Nov. 1945. 80 Sch93
- 15381 FRITZ, E. Unsere gärten im wandel der zeit! Schweiz. Gart., No. 8, p. 214-221. Aug. 1945. 80 Sch93
- 15382 A GARDEN on a chalk cliff. By Cantab. Gard. Chron. 119: 22-23. Jan. 12, 1946. 80 G162  
Description of plants grown at Highdown.
- 15383 GARDINER, G. F. Take cuttings of perpetual carnations. Pop. Gard. 47: 364. Jan. 12, 1946. 80 G1622
- 15384 GIGER, M. Hosta - Funkien; vergessene staudenschönheiten. Schweiz. Gart., No. 11, p. 299-302. Nov. 1945. 80 Sch93
- 15385 GIGER, M. Magnolia tripetala. Schweiz. Gart., No. 11, p. 304. Nov. 1945. 80 Sch93
- 15386 GLÄTTL, O. Das pampasgras, Cynerium argenteum. Schweiz. Gart., No. 11, p. 302-304. Nov. 1945. 80 Sch93
- 15387 GRAHAM, M. D. Golf greens and lawns in East Africa. East African Agr. J. 11: 94-99. Oct. 1945. 24 Ea74
- 15388 GRAYSON, E. C. 1946 All-America flower winners. Home Gard. 7(1): 52-54. Jan. 1946. 80 H756
- 15389 HAGBERG, G. En lantmannaträdgård. Lantmannen 30: 37-39. Jan. 12, 1946. 11 L234  
Landscaping a Swedish farm garden.
- 15390 HAMBLIN, S. F. Dried winter fruits for decoration. Lexington Leaflets 15: 45-48. Sept. 29, 1945. 80 L59
- 15391 HAMBLIN, S. F. Modern hardy chrysanthemums. Lexington Leaflets 15: 41-44. Sept. 15, 1945. 80 L59
- 15392 HARSHBARGER, G. Easy-growing indoor vines. Household Mag. 46(1): 8. Jan. 1946. 321.8 H813
- 15393 HARSHBARGER, G. Pansies by the peck. Farm J. 70(1): 56-57. Jan. 1946. 6 F2212
- 15394 HAWKINSON, L. F. Vandes. Orchid Digest 9: 336-339. July/Sept. 1945. 80 Or172
- 15395 HEDGES for Colorado. Green Thumb 3(1): 3-7. Jan./Feb. 1946. 80 G82
- 15396 HELLINGS, M. L. Choice chrysanthemums. Horticulture 24(1): 21. Jan. 1, 1946. 80 H787
- 15397 HEPLER, J. R. Flowers and shrubs. England Homestead 119(3): 12. Feb. 9, 1946. 6 N442
- 15398 HEROLD, R. Campanula glomerata und ihre gartenformen. Schweiz. Gart., No. 8, p. 222. Aug. 1945. 80 Sch93
- 15399 HEROLD, R. Primula sieboldii. Schweiz. Gart., No. 11, p. 307. Nov. 1945. 80 Sch93
- 15400 HILL, E. C. Memories of an old garden and the making of a new one. Hort. Soc. N. Y. Monthly B. 17(1): 6-9. Jan. 1946. 81 N482M  
In southwestern Virginia.
- 15401 HILLS, L. D. The waterside primulas. Gard. Illus. 64: 752-753. Feb. 1946. 80 G169
- 15402 HUIDOBRO, J. G. El cultivo de la maravilla. Agrario 10(369): 22, 26. Oct. 15, 1945. 9.3 Ag85
- 15403 HUME, H. H. Yes, you can have camellias and azaleas. Prog. Farmer, Tex. Ed. 61(3): 36. Mar. 1946. 6 T311
- 15404 INGALLS, N. M. The dainty abronia. Horticulture 24(1): 24-25. Jan. 1, 1946. 80 H787
- 15405 INGALLS, N. M. Two interesting plants Senecio and buttervine. Horticulture 24(1): 5. Jan. 1, 1946. 80 H787
- 15406 INGRAM, C. Dwarf trees. Calif. Hort. Soc. J. 7: 350-354. Jan. 1946. 81 G1293  
Reprinted from Sport and Country.
- 15407 JACOBS, M. R. White mertensia seeds itself. Horticulture 24(1): 25. Jan. 1, 1946. 80 H787
- 15408 JEFFORDS, D. B. Trees that pay dues. One of the most unusual associations in the world is the Louisiana Live Oak Society, whose members are all trees. Nat. Hist. 55: 54-55. Feb. 1946. 500 N483J
- 15409 JEFFREY, F. W. Hanging baskets in landscape gardening. Gard. Chron. 119: 31. Jan. 19, 1946. 80 G162
- 15410 JOHNSTON, R. A. A. African violets in Canada. Horticulture 24(1): 19. Jan. 1, 1946. 80 H787
- 15411 KAMMERER, E. L. Planting interest need not wane in winter. Morton Arboretum. B. Pop. Inform. 20: 59-65. Nov./Dec. 1945. 99.9 M24  
Ornamental trees and shrubs for various uses.
- 15412 KELLENBERGER, F. S. That north window problem. Horticulture 24: 64. Feb. 1, 1946. 80 H787
- 15413 KELLER, A. Notocactus submammulosus Lem. Schweiz. Gart., No. 11, p. 311. Nov. 1945. 80 Sch93
- 15414 KLEIN, L. G. Newer "glad" in review. Canad. Hort. & Home Mag., Floral Ed. 69: 5-6. Jan. 1946. 280 G16F
- 15415 KLEINER, P. Ginster, Genista, und geisseklee, Cytisus, in steingarten und trockenmauer. Schweiz. Gart., No. 11, p. 305-306. Nov. 1945. 80 Sch93
- 15416 KNOCK, F. Maranta and calathen. Gard. Chron. 50: 39. Feb. 1946. 80 G1632
- 15417 KOLLER, H. Der klein- oder schrebergarten. Schweiz. Gart., No. 8, p. 230-231. Aug. 1945. 80 Sch93  
Garden playgrounds for children, named in honor of Dr. Schreiber.
- 15418 KRAINZ, H. Sarcocaulon multifidum (E. Mey.) K. Knuth und seine lebenskraft. Schweiz. Gart., No. 11, p. 309-311. Nov. 1945. 80 Sch93
- 15419 L., M. The miniature flowers; grow them in a rock garden. Pop. Gard. 47: 382. Jan. 26, 1946. 80 G1622
- 15420 LANCASTER, C. H. Cattleya dowiana (Guaria de Turrialba). Inst. de Defensa del Café de Costa Rica. Rev. 15: 538-541. Oct. 1945. 68.28 C82
- 15421 LARKIN, J. Indoor gardening. Wis. Agr. and Farmer 73(2): 14, 21. Jan. 19, 1946. 6 W751
- 15422 LAURIE, A., and KIPLINGER, D. C. Culture and forcing of greenhouse azaleas. Ohio Agr. Expt. Sta. Bimo. B. 30: 177-187. Nov./Dec. 1945. 100 Oh3S
- 15423 LEVAC, C. Les bouleaux de la province de Québec. Rev. d'Oka 19: 193-195. Nov./Dec. 1945. 7 Ok1
- 15424 LOTHROP, L. Iris breeding among the oncocyclus. Iris Ybk. 1945: 47-51. 84 I-4



- 15425 M. You must grow phloxes; some varieties to choose. Pop. Gard. 47: 357. Jan. 5, 1946. 80 G1622
- 15426 MCFARLAND, J. H. Finest of the fall flowers, roses. Horticulture 24(1): 24. Jan. 1, 1946. 80 H787
- 15427 MCKENNA, P. J. Garden pinks. Home Gard. 7(1): 71-74. Jan. 1946. 80 H756
- 15428 MACKENZIE, D. A world-famed garden in Chelsea. Homes and Gard. 27(9): 16-17. Feb. 1946. 318.3 Cu7
- 15429 MARRIAGE, K. Trimming hedges. Green Thumb 3(1): 10-11. Jan./Feb. 1946. 80 F82
- 15430 MARSHALL, C. Living memorials - how Nebraska nurserymen can help. Nebr. State Bd. Agr. Ann. Rpt. 1945: 402-420. 2 N27R
- 15431 MAPSHALL, W. T. A remarkable seedling [Pileocereus euphorbioides]. Cactus and Succulent J. 18: 2. Jan. 1946. 451 C11
- 15432 MASSEY, M. Miltonias. Orchid Digest 9: 318-319. July/Sept. 1945. 80 Or172
- 15433 MITCHELL, S. B. A garden in the Berkeley Hills. VI. Tall bearded irises. Calif. Hort. Soc. J. 7: 345-349. Jan. 1946. 81 G1293
- 15434 MOORE, J. A. You and your trees. Amer. Home 35(3): 18. Feb. 1946. 80 Am313
- 15435 MORE, R. E. Evergreens - their selection and care. Green Thumb 3(1): 1-2. Jan./Feb. 1946. 80 G82
- 15436 MORE, R. E. Observations on hedges. Green Thumb 3(1): 9. Jan./Feb. 1946. 80 G82
- 15437 MULLIN, K. Yours is the daylily. Country Book Mag. 5(3): 82-89. Winter 1946. 6 G836
- 15438 MURRELL, O. Some hints on planning and planting an iris border. Iris Ybk. 1945: 33-38. 84 Ir4
- 15439 NESMITH, E. N. American irises in 1945. Iris Ybk. 1945: 24-29. 84 Ir4
- 15440 NIELSEN, H. E. Catalpa [as an ornamental tree]. Esven 45: 104-105. Dec. 1945. 80 H29
- 15441 NIRS, E. E. My work with spuria iris. Calif. Hort. Soc. J. 7: 355-357. Jan. 1946. 81 G1293
- 15442 NORTON, D. Phalaenopsis. Orchid Digest 9: 320-321. July/Sept. 1945. 80 Or172
- 15443 THE ORNAMENTAL cherries; species and varieties - other lovely stone fruits. By Willow. Gard. Illus. 64: 749. Feb. 1946. 80 G169
- 15444 ORPET, E. O. Two interesting succulents. Cactus and Succulent J. 18: 12. Jan. 1946. 451 C11
- 15445 ORPET, E. O. The white mertensia. Horticulture 24: 61. Feb. 1, 1946. 80 H787
- 15446 PARSONS, H. Glasshouse flower production. Care of chrysanthemums. Fruit-Grower, Fruiterer, Florist & Market Gard. 100: 488. Dec. 20, 1945. 80 F941
- 15447 PERIS PEREZ, P. Forma de plantar los bulbos de jardín. Cult. Mod. 28: 422-423. Nov. 1945. 15 C89
- 15448 PERRINE, V. R. Evergreen culture. Rural New-Yorker 105: 48. Jan. 19, 1946. 6 R88
- 15449 PESCOTT, E. E. Beauty in coloured barks of lovely eucalypts. Stock and Land 35(49): 2, 22. Dec. 5, 1945. 49 St63
- 15450 PHILLIPS, G. A. R. Delphiniums. Gard. Illus. 64: 747-748. Feb. 1946. 80 G169
- 15451 PHILLIPS, R. T. Roses as standards. Gard. Chron. 119: 34. Jan. 19, 1946. 80 G162
- 15452 PHILLIPS, R. T. The winter pruning of roses. Gard. Chron. 119: 21-22. Jan. 12, 1945. 80 G162
- 15453 PILKINGTON, G. L. My wartime collection. Iris Ybk. 1945: 42-46. 84 Ir4
- 15454 PONCE DE LEÓN, A. Un hermoso árbol [Eigelia pinnata, de Australia en Camagüey. Soc. Cubana de Bot. Rev. 2: 128-129. Sept./Oct. 1945. 451 Sol23]
- 15455 PONCE DE LEÓN, A. Joyas de la flora cubana; el Júcaro (Bucida buceras Linn.). Soc. Cubana de Bot. Rev. 2: 131. Sept./Oct. 1945. 451 Sol23
- 15456 PROCTER, G. C. Glasshouse science and practice, 1945 reviewed. Fruit-Grower, Fruiterer, Florist & Market Gard. 100: 506, 509. Dec. 27, 1945. 80 F941
- 15457 PULVER, H. Wild branches for forcing. Horticulture 24: 77. Feb. 1, 1946. 80 H787
- For use as cut flowers.
- 15458 RAFFILL, C. P. The germination of iris seeds. Iris Ybk. 1945: 76-78. 84 Ir4
- 15459 RAFFILL, C. P. A new method in the raising of iris seedlings. Iris Ybk. 1945: 78-82. 84 Ir4
- 15460 REASER, M. The flowers that bloom before spring. Amer. Home 35(3): 63-65. Feb. 1946. 80 Am313
- 15461 RICHARDSON, L. Instead of window boxes. Amer. Home 35(3): 52-54. Feb. 1946. 80 Am313
- 15462 ROBERSON, F. K. The genus Helleborus. Northwest Gard. 13(11): 4-5, 16-17. Jan. 1946. 80 N813
- 15463 ROCKWELL, R. C. How to grow good roses in Texas. Home Gard. 7(1): 79, 81. Jan. 1946. 80 H756
- 15464 ROMERO, G. La arborización y otras mejoras urbanas. Paraguay. Min. de Agr. Rev. de Agr. y Ganad., No. 13, p. 5-7. Sept. 1945. 9.7 Ag8Re
- 15465 S. Research at Cornell. Florists' Rev. 97(2513): 32-33. Jan. 24, 1946. 80 W41
- Experimental greenhouse culture of ornamentals.
- 15466 S., P. M. Ranunculus glacialis. Roy. Hort. Soc. J. 71: 5. Jan. 1946. 84 L84J
- 15467 SCHMIDT, E. Die christrose Helleborus niger. Schweiz. Gart., No. 11, p. 308. Nov. 1945. 80 Sch93
- 15468 SCHMIDT, E. Hamamelis, die zaubernuss. Schweiz. Gart., No. 8, p. 224-225. Aug. 1945. 80 Sch93
- 15469 SCHMIDT, E. Von herbstzeitlosen und hermodatteln. Schweiz. Gart., No. 8, p. 222-224. Aug. 1945. 80 Sch93
- Saffron in folklore.
- 15470 SELIGMAN, B. Z. Irises at the shows. Iris Ybk. 1945: 11-14. 84 Ir4
- 15471 SHEWELL-COOPER, W. E. Colour from vegetables. New Health 21(1): 28. Jan. 1946. 449.8 N45
- 15472 SHEWELL-COOPER, W. E. The new chrysanthemum varieties. Field 186: 660. Dec. 22, 1945. 10 F45
- 15473 SHURLY, E. Cacti in England. II. Cactus and Succulent J. 18: 5-7. Jan. 1946. 451 C11
- 15474 SIEBER, S. Native orchids. Orchid Digest 9: 324-326. July/Sept. 1945. 80 Or172
- 15475 SOMANADER, S. V. O. Two peculiar trees [Artocarpus integrifolia and Couropitia guianensis]. Country Life [London] 98: 828. Nov. 9, 1945. 80 C83
- 15476 SOMBRA, J. Algunas ideas para la formación de un jardín. Pampa Argentina 19(219): 14, 26. Nov. 1945. 9 P19
- 15477 STEELE, C. F. Alberta to make yards beautiful. Family Herald and Weekly Star 77(2): 6. Jan. 9, 1946. 7 F21
- 15478 SWARTLEY, J. C. Variations and uses of Canada hemlock [Tsuga canadensis]. Cornell Plantations 2: 3-6. Autumn 1945. 409.6 C812

- 15479 SYMMES, M. Adelante. III. The square gardens and groves. The south garden. Calif. Hort. Soc. J. 7: 358-362. Jan. 1946. 81 G1293
- 15480 TALLENTS, SIR S. London parks - in peace and war. Parks & Recreation 29(1): 3-8. Jan./Feb. 1946. 98.8 P23
- 15481 TAYLOR, A. R. Landscape architecture: a summary description; its area of competence and fields of specialization. Landscape Architecture 36(1): 7-9. Oct. 1945. 80 L23
- 15482 TEUSCHER, H. Ornamental perennials. Parks & Recreation 29(1): 19-23. Jan./Feb. 1946. 98.8 P23
- 15483 TIEMANN, O. R. Is platycodon too easy? Home Gard. 7(2): 100-101. Feb. 1946. 80 H756
- 15484 TOMALIN, T. E. Dahlias from cuttings & seeds. Pop. Gard. 47: 389. Feb. 2, 1946. 80 G1622
- 15485 TOWNDROW, K. R. The painter and the iris. Iris Ybk. 1945: 39-41. 84 Ir4
- 15486 U. S. PATENT OFFICE. Plant patents. 4 Nos. 1946. 156.65 P69  
Contents: No. 666. Slocum, P. D. Water-lily plant. 1 p., 1 col. pl. Patented Jan. 15; No. 668. Futterman, C. Hybrid tea rose plant. 2 p., 1 col. pl. Patented Jan. 15; No. 669. Sim, W. Carnation plant. 2 p., 1 col. pl. Patented Jan. 15; No. 671. Rourke, F. Viola plant. 1 p., 1 col. pl. Patented Jan. 15.
- 15487 VAN MELLE, P. J. The spring bulb parade. Rural New-Yorker 105: 142-143. Feb. 16, 1946. 6 R88
- 15488 VASCONCELLOS, P. W. C. A cultura do lirio [Lilium longiflorum] do Japão. São Paulo. Sec. da Agr., Indús. e Com. B. de Agr. (ser. 44) 1943: 222-228. 1945. 9.2 Sa63
- 15489 WALLACE, R. W. Reminiscences [Iris and iris specialists]. Iris Ybk. 1945: 52-59. 84 Ir4
- 15490 WALTHER, E. Geographical sources of ornamentals for California. Calif. Hort. Soc. J. 7: 366-369. Jan. 1946. 81 G1293
- 15491 WARD, K. F. My garden in Assam. Gard. Chron. 119: 18-19. Jan. 12, 1946. 80 G162
- 15492 WERTSNER, A. B. Annuals for summer effect. Gard. Chron. 50: 37-38. Feb. 1946. 80 G1632
- 15493 WESTON, T. A. Considering mertensias. Horticulture 24(1): 5. Jan. 1, 1946. 80 H787
- 15494 WESTON, T. A. Keep the gift plants growing. Home Gard. 7(1): 93-95. Jan. 1946. 80 H756
- 15495 WHITEHEAD, S. B. Bamboos for the garden. Field 186: 687. Dec. 29, 1945. 10 F45
- 15496 WHITEHEAD, S. B. Christmas blooms. Field 186: 632. Dec. 15, 1945. 10 F45  
Colorful winter ornamental plants.
- 15497 WHITEHEAD, S. B. Chrysanthemum culture. Field 186: 572. Dec. 1, 1945. 10 F45
- 15498 WHITEHEAD, S. B. Planning an attractive rock garden. Field 187: 78. Jan. 19, 1946. 10 F45
- 15499 WILSON, F. C. Color in the perennial border. Gard. Chron. 50: 34-35. Feb. 1946. 80 G1632
- 15500 WOODHAM, S. How I grow chrysanthemums in pots. Pop. Gard. 47: 381. Jan. 26, 1946. 80 G1622
- 15501 WRIGHT, H. J. Fragrance is a habit. Calif. Hort. Soc. J. 7: 363-365. Jan. 1946. 81 G1293
- 15502 WRIGHT, P. H. What is the future of roses? Canad. Hort. & Home Mag., Floral Ed. 9(1): 11-12. Jan. 1946. 80 C16F  
A plea for the creation of hardy cut-flower roses.
- 15503 YOUNKIN, W. L. Late developments in roadside improvement. Nebr. State Bd. Agr. Ann. Rpt. 1945: 386-391. 2 N27R
- Vegetable and Truck Crops (Including Potatoes)
- 15504 ANDERSON, M. F. Some new developments in cannery seeds. Performance and characteristics of new varieties of peas explained. Canning Trade 68 (27): 26, 28, 52. Jan. 28, 1946. 286.83 T67
- 15505 ASHLEY, T. E. Rutgers, Marglobe, Stokesdale tomato lead at Poplarville. Miss. Farm Res. [Miss. Sta.] 8(11): 8. Nov. 1945. 100 M69Mi
- 15506 BLAKE, G. A. Growing canning peas in Hawke's Bay. New Zeal. J. Agr. 71: 353-355. Oct. 1945. 23 N48J
- 15507 CAMPBELL, J. A., and FOSTER, H. H. Methods used in producing tomato plants for spring crop listed by truck substation. Miss. Farm. Res. [Miss. Sta.] 8(12): 2. Dec. 1945. 100 M69Mi
- 15508 CAMPBELL, J. A., and MOORE, E. L. Wanda, English pea, promising at Crystal Springs. Miss. Farm Res. [Miss. Sta.] 8(11): 8. Nov. 1945. 100 M69Mi
- 15509 CANNON, R. C. Burdekin potato crops in 1944 and 1945. Queensland Agr. J. 61: 261-265. Nov. 1945. 23 Q33  
Culture and harvesting.
- 15510 CAPULER, B. In the vegetable garden (B): The Beisan region. (In Hebrew.) Hassadeh 26: 68-70. Nov./Dec. 1945. 26 H27
- 15511 CARACCIOLA, L. D. How to grow 15.5 tons tomatoes per acre. Food Packer 27(2): 68. Feb. 1946. 286.83 C165
- 15512 CASSERES, X. H. Conviene conocer los tipos y variedades de hortalizas. Rev. de Agr. [San José] 18: 7, 9-12. Jan. 1946. 8 Esl
- 15513 CHALONER, E. J. Growing my indoor mushrooms. Smallholder 74(1865): 6. Dec. 14, 1945. 10 Sml
- 15514 CHAN, A. P. Vegetable seed produced in Canada. Macdonald Col. J. 6(4): 11. Dec. 1945. 101 M144
- 15515 CROSIER, W. Beet seedballs vary widely in size and weight. Farm Res. [N. Y. State Sta.] 12(1): 15, 17. Jan. 1946. 100 N48A
- 15516 DEMESMAY, H. Chez les sélectionneurs finistériens. Pomme de Terre Franç. 8(74): 2-6. Oct. 1945. 75.8 P77
- 15517 ELKS, S. F. Early crops from the garden frame. Pop. Gard. 47: 387. Feb. 2, 1946. 80 G1622
- 15518 ETTINGER, J., and SELLINGER, A. Directions for the preparation of seed potatoes for the autumn. (In Hebrew.) Hassadeh 26: 66-67. Nov./Dec. 1945. 26 H27
- 15519 F., A. G. Order seed potatoes without delay. Pop. Gard. 47: 356. Jan. 5, 1946. 80 G1622
- 15520 F., I. D. Have you tried cauliflower. Rural New-Yorker 105: 141. Feb. 16, 1946. 6 R88
- 15521 FELIPE, A. L. Ligera idea a los alumnos de las escuelas sobre huertos escolares. Cuba. Min. de Agr. Rev. 28(4): 77-80. Oct./Dec. 1945. 8 Ag88Re
- 15522 FIRMIN, F. Beste nachkultur: chinesen-kohl. Schweiz. Gart., No. 8, p. 228-229. Aug. 1945. 80 Sch93
- 15523 GILEADI, D. The home vegetable garden in the communal settlement. (In Hebrew.) Hassadeh 26: 70-72. (Concl.) Nov./Dec. 1945. 26 H27
- 15524 GORDON, O. V. Pumpkins need bees. Gleanings Bee Cult. 74: 90. Feb. 1946. 424.8 G47
- 15525 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Commercial onion cultivation. Gt. Brit. Min. Agr. and Fisheries. Growmore B. 53, 4 p. St. Annes, n. d. 10 G79Gr
- 15526 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Growing peas for drying. Gt. Brit. Min. Agr. and Fisheries. Growmore Leaflet 59, 4 p. St. Annes, 1945. 10 G79Gr



- 15527 H., S. F. Some out-of-the-ordinary vegetables that might be tried this year. Pop. Gard. 47: 387. Feb. 2, 1946. 80 G1622
- 15528 H., S. J. Winter mushrooms from an outdoor bed. Pop. Gard. 47: 355. Jan. 5, 1946. 80 G1622
- 15529 HANCOCK, B. C. Corn. Gard. Gossip 21(1): 11. Jan. 1946. 80 G1625
- 15530 HARDY, J. Chicory will pay. Poultry Farmer [London] 113(2949): 4. Dec. 28, 1945. 47.8 F312
- 15531 HARVESTING the bean crop. By Rusticus. Canad. Countryman 35(3): 31. Feb. 2, 1946. 7 C833
- 15532 HASTINGS, W. R. The new vegetable winner. Contact 11(4): 5. Dec. 1945. 80 C76  
All America Selections.
- 15533 HELLBO, E. Förenklad fältkontroll ökad med 70 proc.; fältkontrollen av utsädespotatis under 3r 1945. Lantmannen 30: 12-14. Jan. 5, 1946. 11 L234  
Cultivation of seed potatoes in Sweden.
- 15534 HOCKING, G. M. Indian rhubarb. Indian J. Pharm. 7: 89-90. July/Sep. 1945. 396.8 In23  
Rheum spp.
- 15535 HOFFMILL, C. L. Alabama's new bean [Bean Beauty], mild, white, and giant. South. Seedsman 9(1): 11, 38. Jan. 1946. 61.8 So8
- 15536 JOHNSON, A. D. Early salad crops, a useful off-peak load. Elect. Rev. [London] 137: 955-956. Dec. 28, 1945. 335.8 RL22
- 15537 KING, F. H. Soilless cultivation for tomatoes. Pop. Gard. 47: 388. Feb. 2, 1946. 80 G1622
- 15538 LORTZ, O. A. Depth of planting of potatoes. Calif. Cult. 93: 77. Feb. 2, 1946. 6 C12
- 15539 MASON, M. Quality tomatoes bring profits. Food Packer 27(2): 68. Feb. 1946. 285.83 G165  
Culture.
- 15540 MONTIELARO, J. New spineless okra [Louisiana Spineless Green Velvet]. South. Seedsman 9(1): 15. Jan. 1946. 61.8 So8
- 15541 NATTRASS, R. M. The cutting and treatment of seed potatoes. East African Agr. J. 11: 83-85. Oct. 1945. Ref. 24 Ea74
- 15542 NEW SOUTH WALES. DEPT. OF AGRICULTURE. DIVISION OF PLANT INDUSTRY. Production of high quality tomato seed for farm and commercial use. Agr. Gaz. N. S. Wales 56: 545-548. Dec. 1, 1945. 23 N472
- 15543 NIVEN, L. A. About new Irish potato varieties. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(2): 21. Feb. 1946. 6 P945K  
Also in Prog. Farmer, Miss.-Ark.-La. Ed. 61(2): 21. Feb. 1946. 6 So81
- 15544 NIVEN, L. A. Cantaloupe resistant to aphids and mildew. Prog. Farmer, Tex. Ed. 61(2): 24. Feb. 1946. 6 T311
- 15545 ORTIZ GARMENDIA, J. El pepino dulce y algunos enemigos observados en las zonas de cultivos. Agrario 10(367): 12. Aug. 31, 1945. 9.3 Ag85
- 15546 P., G. First sowings of peas and beans; easy to raise in a greenhouse or frame. Pop. Gard. 47: 371. Jan. 19, 1946. 80 G1622
- 15547 PODLIPENKO, F. K voprosu ob agrotekhnike rassadnogo kartofelia [Concerning the agricultural technique of potato seedlings]. Sovkhoz. Proizvod. 5(4/5): 23-25. Apr./May 1945. 20 So85
- 15548 RAPHAEL, T. D. Canning peas trials, 1944. Tasmanian J. Agr. 16(1): 24-29. Feb. 1, 1945. 23 T182T  
Growing trials.
- 15549 RAPHAEL, T. D. Onion varieties; preliminary report. Tasmanian J. Agr. 16: 166-167. Nov. 1, 1945. 23 T182T
- 15550 ROCKWELL, F. F. Before you send that order blank. Home Gard. 7(1): 42-45. Jan. 1946. 80 H756  
Planning the vegetable garden and ordering seeds.
- 15551 ROCKWELL, F. F. Broccoli. Home Gard. 7(1): 12-16. Jan. 1946. 80 H756
- 15552 ROTBLIT, Y. Vegetable growing in the hills. (In Hebrew.) Hassadeh 26: 72-75. (Cont.) Nov./Dec. 1945. 26 H27
- 15553 S., H. L. Enjoy a home garden. Rural New-Yorker 105: 144. Feb. 16, 1946. 6 R88  
Vegetable gardening.
- 15554 SAYRE, C. B. Effect of field spacing on yields of cannery tomatoes. Farm Res. [N. Y. State Sta.] 12(1): 12-13. Jan. 1946. 100 N48A  
Also in Canning Trade 68(28): 7, 24. Feb. 4, 1946. 286.83 Tb7
- 15555 SCHMIDT, E. Löffelkraut, Cochlearia officinalis, ein heilkräftiger salat. Schweiz. Gart., Mo. 11, p. 314-315. Nov. 1945. 80 Sch93
- 15556 SHEWELL-COOPER, W. E. Getting the best out of potatoes. Field 186: 600. Dec. 8, 1945. 10 F45
- 15557 SMITH, R. W. Hints for the victory gardener. 39. Kale, collards and sea kale [Crambe maritima]. Organic Gard. Ser. 8(3): 25-27. Feb. 1946. 56.8 Or3
- 15558 SOU-SOU [Sesum edule], mustard and cress this summer. By Protea. Farmer [Pietermaritzburg] 34(48): 12. Nov. 30, 1945. 24 F227
- 15559 TASMANIA. DEPT. OF AGRICULTURE. HORTICULTURAL DIVISION. Vegetable seed; dangers of cross-fertilisation. Tasmanian J. Agr. 16(1): 22-23. Feb. 1, 1945. 23 T182T  
Spacing in planting.
- 15560 TOMALIN, T. E. Early vegetables are welcome; grow them on a hotbed of leaves. Pop. Gard. 47: 356. Jan. 5, 1946. 80 G1622
- 15561 TOMALIN, T. E. The food producer's guide; some less common vegetables worth growing. Pop. Gard. 47: 362. Jan. 12, 1946. 80 G1622
- 15562 TUKEY, H. B. Snap method of harvesting asparagus. Rural New-Yorker 105: 89. Feb. 2, 1946. 6 R88
- 15563 W., A. L. Some vegetables I recommend. Pop. Gard. 47: 371. Jan. 19, 1946. 80 G1622
- 15564 W., C. R. Plant Jerusalem artichokes directly the soil is dry enough. Pop. Gard. 47: 387. Feb. 2, 1946. 80 G1622
- 15565 WALKER, W. F. Tomato production trials and recommendations. Tasmanian J. Agr. 16: 138-143. Nov. 1, 1945. 23 T182T
- 15566 WHALLON, A. P. Disease resistant vegetables. Rural New-Yorker 105: 90. Feb. 2, 1946. 6 R88
- 15567 WHITMAN, E. W. Idaho potatoes world famous. Market Growers J. 75(1): 13, 37, 41-42, 48. Jan. 1946. 6 M34
- 15568 WITHROW, W. A. Growing head lettuce at Walberta Farms. Rural New-Yorker 105: 146. Feb. 16, 1946. 6 R88
- 15569 WOODBURY, F. I. Vegetables in New Hampshire. Horticulture 24: 66. Feb. 1, 1946. 80 H787
- 15570 WORK, P. New varieties [of vegetables] for 1946. Market Growers J. 75(1): 22, 28, 35. Jan. 1946. 6 M34
- 15571 WORK, P. Vegetable varieties: new and improved. Farm Res. [N. Y. State Sta.] 12(1): 6. Jan. 1946. 100 N48A

## WEEDS AND POISONOUS PLANTS

- 15572 ANGOVE, P. C. Our weed problem. So. Austral. Dept. Agr. J. 49: 147-152. Nov. 1945. 23 So84

- 15573 ARCEAUX, G., HEBERT, L. P., and MAYEUX, L. C., JR. 2-4-D as a means of controlling weeds on sugarcane lands. Sugar B. 24: 65-68, 70. Feb. 1, 1946. 65.9 Am32
- 15574 BARDIER, M. Las malezas en nuestros campos. Uruguay. Min. de Ganad. y Agr. B. Inform-2: 442, 448-449. Nov. 22, 29, 1945. 8 R327
- 15575 BARLOW, R. C. Poisonous plants. 2-4. Organic Gard. Ser. 8(3): 51-54. Feb. 1946. 56.8 Cr3
2. Belladonna [*Atropa belladonna*]. 3. Henbane [*Hyoscyamus niger*]. Jimson weed [*Datura stramonium*].
- 15576 BARRONS, K. C. Control of weeds in canning peas. Canning Trade 68(27): 32, 34, 39, 52. Jan. 28, 1946. 286.83 T67
- 15577 BOIS, E. Les mauvaises herbes. Rev. Hort. Suisse 18: 190-195, 211-214, 237-239. (Concl.) Sept., Oct.-Nov. 1945. 80 R3212
- 15578 BOSE, P. K. The problem of water-hyacinth [*Eichhornia speciosa*] in Bengal. Sci. and Cult. 11: 167-171. Oct. 1945. 475 Sci24
- 15579 BRENCHELEY, W. E., and WARINGTON, K. The influence of periodic fallowing on the prevalence of viable weed seeds in arable soil. Ann. Appl. Biol. 32: 285-296. Nov. 1945. Ref. 442.8 An72
- 15580 D., R. Ways and means of destroying weeds. Farmers' Gaz. [Dublin] 103, i. e. 104: 752. Dec. 15, 1945. 10 F221
- 15581 DEPARTAMENTO CIENTÍFICO DEL LABORATORIO CUP. algunas plantas tóxicas del suelo colombiano. Rev. Nac. de Agr. [Bogotá] 39(492): 62. Sept./Oct. 1945. 9.4 R32
- 15582 DUBASH, J., and TEARE, D. Poisoning by *Amanita phalloides*. Brit. Med. J., No. 4436, p. 45-47. Jan. 12, 1946. Ref. 448.8 B77
- 15583 GOUDEY, R. F. Chemical weed control. Amer. Water Works Assoc. J. 38: 186-202. Feb. 1946. 292.9 Am32J
- 15584 GROE, H. Tragopogons as weeds in Canada. Sci. Agr. 26: 1-6. Jan. 1946. Ref. 7 Sci2
- 15585 HOEHNE, F. C. Uma planta brasileira altamente venenosa (Pesseguero bravo, *Prunus sphaerocarpa* Sw). Chacaras e Quintais 72: 616-617. Nov. 15, 1945. 9.2 C34
- 15586 HYDE, E. O. C. Weed seeds in agricultural seed. VI. New Zeal. J. Agr. 71: 378-379. Oct. 1945. 23 N48J
- 15587 JAMES, E. Chemicals fight weeds. Ga. Agr. 37(2): 4, 10. Nov. 1945. 276.8 G29
- 15588 JONES, D. L., and EVANS, R. G. Eradication of broomweed (*Gutierrezia* sp.), with ammate. Tex. Livestock J. 4(12): 6. Dec. 15, 1945. 49 T29
- 15589 M., E. Keeping bracken in check. Farmers' Gaz. [Dublin] 103, i. e. 104: 699. Nov. 24, 1945. 10 F221
- 15590 MARTIN, S. C., and PARKER, K. W. Reclaiming mesquite-infested grasslands. Cattleman 32(8): 20-21, 134-135. Jan. 1946. 49 C29
- 15591 MELVILLE-NESS, T. R. Chemical makes war on weeds. Family Herald and Weekly Star 77(1): 3. Jan. 2, 1946. 7 F21
- Sinox (herbicide).
- 15592 MIETTUNEN, MRS. L. *Malva moschata*, pest beautiful. Horticulture 24(1): 23. Jan. 1, 1946. 80 H787
- 15593 A NEW weed killer [Agroxone]. North. Ireland. Min. Agr. Monthly Rpt. 20: 267-269. Jan. 1946. 256.13 Ag82M
- 15594 ØDELIEN, M. Orienterende undersøkelser over halmflutingsens virkning på frøet av noen ugrasarter. Tidsskr. for det Norske Landbr. 52: 189-194. Nov. 1945. 11 T433
- Weed control with lye.
- 15595 ORTIZ GARMENDIA, J. Contribución al estudio de las plantas venenosas para el ganado en la región Norte. Agr. del Norte 29: 143-147. (Cont.) June 1945. 9.3 Sol4
- 15596 PARHAM, B. E. V., and STICKLING, J. J. C. Control of noxious weeds in Tallevu and Navua. Fiji. Dept. Agr. Agr. J. 16: 71-75. Oct. 1945. 25 F47Ag
- 15597 S., W. D. Are you troubled by bindweed? Pop. Gard. 47: 382. Jan. 26, 1946. 80 G1622
- 15598 SIMMONS, C. Grass killers. Pacific Rural Press, North. Ed. 151: 59. Jan. 19, 1946. 6 P112
- 15599 WOOD, H. E. Leafy spurge [*Euphorbia esula*], control. Manitoba. Dept. Agr. and Immigr. P. 200, 11 p. Winnipeg, 1945. 275.29 M313
- 15600 WORZELLA, W. W. War on weeds. Dakota Farmer 66(3): 20. Feb. 2, 1946. 6 D14
- MISCELLANEOUS ECONOMIC PLANTS  
(Drug, Dye, Rubber, Etc.)
- 15601 BEATRIZ, M. G. Matérias primas da colônia. O chá. Moçambique 11: 45-88. July/Sept. 1945. 110 M71
- 15602 BEECKEN, J. Anise-hyssop - the wonder honey plant. Beekeepers Item 30(1): 14-15. Jan. 1946. 424.8 B397
- 15603 BUCHWALD, N. F. *Boletus luridus* (netstokket indigo-rørhat) spiselig? Friesia 3: 148-149. 1945. 450 F91
- 15604 CORLETO ARAGÓN, E. A. Manera practica de hacer un vivero de cafetos. Café de El Salvador 15: 444. Oct. 1945. 68.28 C112
- 15605 CORREA, A. Mejore su café; recomendaciones sobre siembras del café y métodos de cultivo para el logro de una más fecunda producción. Rev. del Café 1(4): 39. Sep. 1945. 8 R3295
- 15606 CORREA, A. La poda de renovación de los cafetos viejos. Rev. del Café 1(1): 28. June 1945. 8 R3295
- 15607 COSTA FILHO, F. F. DA. O Instituto Agrônomo de Campinas, e o café. Rev. de Agr. Piracicaba, 20: 409-411. Sept./Dec. 1945. 9.2 R324
- 15608 DUFOUR. Considérations sur le quinquina du Cameroun. Soc. de Path. Exot. B. 38: 179-180. May 9/June 13, 1945. 448.9 Sol3
- Importance of *Cinchona succirubra* in malaria treatment.
- 15609 GILBERT, S. M. The mulching of Coffee arabica. East African Agr. J. 11: 75-79. Oct. 1945. 24 Ea74
- 15610 GORHAM, P. R., and LANDES, M. L. Investigations on rubber-bearing plants: I. Propagation of *Taraxacum kok-saghyz* by means of leaf cuttings. Bot. Gaz. 107: 260-267. Dec. 1945. 450 B652
- 15611 HARPER, R. E., and WINTERS, H. F. Cinchona investigations in Puerto Rico. Agr. in the Americas 6: 30-32, 37. Feb. 1946. 1 F752A
- Culture.
- 15612 HONIG, P. Chapters in the history of cinchona. I-V. In Honig, P., and Verdoorn, F., eds., Science and scientists in the Netherlands Indies, p. 181-207. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75
- I. A short introductory review, by P. Honig. II. The introduction of cinchona into Java, by K. W. van Gorkom. III. Junghuhn and cinchona cultivation, by P. van Leersum. IV. Cinchona cultivation after Junghuhn's death, by K. W. van Gorkom. V. Modern developments, by N. Taylor.
- 15613 HOOPER, D. A new anti-malarial drug [*Dichroa febrifuga*]. Nature [London] 157: 106. Jan. 26, 1946. 472 N21



- 15614 JIMENEZ, O. El matesano (Casimiroa tetrameria, Millspaugh). Rev. de Agr. [San José, 17: 617-620. Dec. 1945. 8 Sol]
- 15615 KRAMER, H. H. The evaluation of individual plant selections from a natural population of guayule, *Parthenium argentatum* Gray. Amer. Soc. Agron. J. 38(1): 22-31. Jan. 1946. 4 Am34p
- 15616 LAGARDE, M. Le quinquina [Cinchona] du Cameroun. Culture, rendement, perspectives d'avenir. Soc. de Path. Exot. B. 38: 174-178. May 9/June 13, 1945. 448.9 Sol3
- 15617 LAZZARINI PECKOLT, O. DE. O problema da aclimação de quina. Rev. da Flora Med. 12: 353-392, 395-430. (Cont.) July, Aug. 1945. 71.8 R32  
Acclimatization in Brazil.
- 15618 LÓPEZ PENHA, H. D. Como producir un buen café. Dominican Repub. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr. 36(159): 14-16. Mar./Apr. 1945. 8 R323  
Culture and processing.
- 15619 MEAD, R. M. Natural nectar resources. Amer. Bee J. 86(1): 15. Jan. 1946. 424.8 Am3
- 15620 MEDINA BEM, V. Semilleros y viveros de café. Rev. del Café 1(3): 28-29. Aug. 1945. 8 R3295
- 15621 MELLO, P. S. Restauração dos cafezais. VIII. DNC; Rev. do Dept. Nac. do Café [Brazil] 13: 473-476. Oct. 1945. 286.83 D44  
Root development in shading of coffee bushes.
- 15622 MENDES, J. E. T. Comparação das condições de clima vigentes nas zonas cafeeiras de Sta. Catarina e de São Paulo. São Paulo. Supt. des Serv. do Café. B. 20: 760-770. July 1945. 68.29 Sa63
- 15623 MUELLO, A. C. El cultivo de la yuca. Pampa Argentina 19(219): 23. Nov. 1945. 9 F19
- 15624 OAKES, J., and HAMILTON, G. H. Useful herbs of easy culture and variety for your garden. Canad. Hort. & Home Mag., Floral Ed. 9: 7-8. Jan. 1946. 80 C16F
- 15625 PALMER, E. L. Marine algae, or "seaweed." Nature Mag. 39: 81-83, 88. Feb. 1946. 409.6 W214
- 15626 PELLETT, F. C. Honey plants for long season. Amer. Bee J. 86: 64, 72. Feb. 1946. 424 Am3
- 15627 PELLETT, F. C. Wood mint [*Elephilia ciliata*]; a new honey plant too long overlooked. Amer. Bee J. 86(1): 17, 34. Jan. 1946. 424.8 Am3
- 15628 QUIRÓS CALVO, M. Plantas de la medicina popular costarricense. Rev. de Agr. [San José, 17: 596-597. Dec. 1945. 8 Sol]
- 15629 RAMÍREZ MONGE, P. Utilidades del bambú. Rev. de Agr. [San José, 17: 604-605. Dec. 1945. 8 Sol]
- 15630 RIVEROS, M. J. Cultivo de la curuba. Agr. Trop. 1(10): 14-15. Nov. 1945. 26 Ag8
- 15631 ROBINSON, E. Observations on honey plants. West. Canada Beekeeper 9(2): 12. Feb. 1946. 424.8 W525
- 15632 ROIG, J. T. Cultivo de la manzanilla [*Matricaria chamomilla*], en Cuba. Cuba. Min. de Agr. Rev. 28(4): 59-61. Oct./Dec. 1945. 8 Ag88Re
- 15633 SCHIFFINO, J. Riqueza forestal dominicana. Dominican Repub. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr. 36(159): 36-38. Mar./Apr. 1945. 8 R323  
Castilloa.
- 15634 SIDDIQUI, R. H., and WARSI, S. A. Cryptostegia grandiflora L. Br.; a war time source of vegetable rubber. VIII. Examination of the seeds and fatty oil. Indian J. Pharm. 7: 75-79. 88. July/Sept. 1945. 396.8 In23
- 15635 STURKIE, D. G. Here are latest facts on growing bamboo. This Month in Rural Ala., Feb. 1946, p. 8. 6 T34

15636 TENWALL, T. A. History of rubber cultivation and research in the Netherlands Indies. In Honig, P., and Verdoorn, F., eds., Science and scientists in the Netherlands Indies, p. 344-351. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75

15637 TOCCO, L., and CHALIOT, C. DU. Studi per la valorizzazione della flora medica sarda e siciliana. IV. Sul metodo di estrazione e sul principio attivo della *Sphedra altissima*. Soc. Ital. di Biol. Sper. B. 20: 135-137. Jan./Mar. 1945. 442.8 Sol2

15638 TSFENG, C. K. Seaweed products and their uses in America. I-II. N. Y. Bot. Gard. J. 47: 1-10. Jan. 1946. 451 N48J

I. Background of the seaweed industries in the U. S. A. II. Uses in food and drugs.

15639 VERDUCI, P., and CHALIOT, C. DU. Sulla utilità di sostituire in terapia l'erba adonide coi suoi acheni e l'*Adonis vernalis* L. coll'*Adonis cupaniana* D. C. Soc. Ital. di Biol. Sper. B. 20: 330-331. June/July 1945. 442.8 Sol2

15640 WHITLOCK, R. Teazels - an uncommon crop. Field 186: 598-599. Dec. 8, 1945. 10 F45

## SOILS AND FERTILIZERS

### SOIL SCIENCE

15641 DIAS, J. DE D. DE O. Edafologia. Pernambuco. Sec. de Agr., Indus. e Com. B. 12: 141-154. July/Sept. 1945. Ref. 9.2 P423

15642 WENTZEL, M. C. The farmer's eternal triangle; soil studies and types of soils. Ala. Farmer 14, 1. e. 24(2): 5, 14. Jan. 1946. 276.8 AL1

### Soil Physics

15643 DYER, B. E., and BHASKARAN, T. R. Investigations of ground-water pollution. Part II. Soil characteristics in West Bengal, India, at the site of ground-water pollution investigations. Indian J. Med. Res. 33: 17-22. May 1945. 448.8 In22

15644 GARDNER, R. Some effects of freezing and thawing on the aggregation and permeability of dispersed soils. Soil Sci. 60: 437-443. Dec. 1945. 56.3 So3

15645 ELINTWORTH, H. Organic manures and soil structure. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 181, 2 p. Pretoria, 1946. 24 So82Pa

15646 LAWS, W. D., and PAGE, J. B. Silicate of soda as a soil aggregating agent. Amer. Soc. Agron. J. 38(1): 95-97. Jan. 1946. 4 Am34p

15647 MCCALLA, T. M., and DULEY, F. L. Effect of crop residues on soil temperature. Amer. Soc. Agron. J. 38(1): 75-89. Jan. 1946. 4 Am34p

15648 MCPETRIE, J. S., and SAXTON, J. A. The electrical properties of soil at wavelengths of 5 metres and 2 metres. Inst. Elect. Engin. J. Pt. 3. Radio and Commun. Engin. 92: 256-258. Dec. 1945. 335.9 In72

15649 PLICE, M. J. Lysimeter studies in Oklahoma. Okla. Acad. Sci. Proc. (1944) 25: 39-42. 1945. 500 Ok42

15650 REBOUR, H. L'argile dans l'analyse physique des sols. Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc. 15: 195. Oct. 1945. 80 F9482

15651 REBOUR, H. Mesure de la perméabilité du sol. Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc. 15: 233-235. Nov. 1945. 80 F9482

15652 SCHMIDT, C. B. O fogo e os seus perigos. Rev. Rural Bras. 25(302): 20-25. Oct. 1945. 9.2 B733

Discusses the effect of fire upon soil.

#### Soil Chemistry and Mineralogy

15653 BEESON, K. C. Distribution of mineral deficiencies in soils. Flour & Feed 46(8): 12. Jan. 1946. 298.8 F66

15654 BRAY, R. H. Soil-plant relations: II. Balanced fertilizer use through soil tests for potassium and phosphorus. Soil Sci. 60: 463-473. Dec. 1945. Ref. 56.8 S03

15655 CARROLL, D. Mineralogy of some soils from Denmark, Western Australia. Soil Sci. 60: 413-426. Dec. 1945. Ref. 56.8 S03

15656 DAVIS, F. L. Retention of phosphates by soils: III. Nature of phosphate retention of virgin Hammond very fine sandy loam treated with  $\text{Ca}(\text{OH})_2$  and  $\text{H}_2\text{PO}_4$ . Soil Sci. 60: 481-489. Dec. 1945. Ref. 56.8 S03

15657 DRUMMOND, W. G. The soil colloids as related to soil fertility. III. Begonian 13(1): 15. 18. Jan. 1946. 96.511 B39

15658 TEIXEIRA, A. A acidez de nossos solos. Pernambuco. Sec. de Agr., Indús. e Com. B. 12: 188-198. July/Sept. 1945. 9.2 P423

15659 WHEELER, S. C., and HARWOOD, W. L. Soil sulphur and the problem of pH in southern California. Calif. Fruit and Veg. Rev. 6(11): 22, 59. Feb. 1946. Ref. 80 C1224

15660 WOLF, B. Rapid soil tests furnish one of the implements for increasing crop yields. Amer. Fert. 104(2): 9-10, 22, 24, 26. Jan. 26, 1946. Ref. 57.8 Am3

#### Soil Biology

15661 CAJLACHIAN, M. C., and MEGRAJIAN, A. A. Effect of soluble nitrogenous compounds upon formation of nodules on roots of leguminous plants. Acad. des Sci. de l'U. R. S. S. Comot. Rend. (n. s.) 48: 138-141. July 20, 1945. 511 P444

15662 DUFFY, D. D. Bio-dynamic agriculture. New Health 21(1): 8-9. Jan. 1946. 449.8 N45

Soil biology and fertility.

15663 PARBERRY, N. H. The effect of dolomite on nitrification in strongly acid red basaltic soils. Agr. Gaz. N. S. Wales 56: 543-544. Dec. 1, 1945. 23 N472

15664 SINGH, B. N. The selection of bacterial food by soil amoebae, and the toxic effects of bacterial pigments and other products on soil protozoa. Brit. J. Expt. Path. 26: 316-325. Oct. 1945. Ref. 448.8 B772

15665 SINGH, B. N. Soil Acrasieae and their bacterial food supply. Nature [London] 133-134. Feb. 2, 1946. 472 N21

#### Soil-Plant Relationships and Soil Requirements

15666 EDWARDS, C. Mineral soil brings new life to sickly crops. Cattleman 32(9): 18-19. Feb. 1946. 49 C29

15667 EDWARDS, G. Revolution? West. Livestock J. 24(12): 106, 126-127. Jan. 1946. 6 F2278

Relation between soil fertility and human and animal health.

15668 FRISSELLE, S. P. Sun, soil and wine. California 35(9): 18, 38. Sept. 1945. 280.8 C12

Relation of soil and temperature to the wine-grape industry of California.

15669 HOWARD, SIR A. The fresh produce of fertile soil is the real basis of public health. Pub. Health [London] 59: 49-52. Jan. 1946. 449.8 P96

15670 RODRIGUES FILHO, A. J. Pomares cítricos--tratos culturais, relativos ao solo. São Paulo. Sec. da Agr., Indús. e Com. B. de Agr. (ser. 44) 1943: 246-266. 1945. 9.2 Sa63

15671 RODRIGUEZ LOPEZ, D. Métodos de valorización de fertilizantes y suelos. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 392-393. (Cont.) Oct. 11, 1945. 9.9 G15B

Functional relationships between soil or fertilizer elements and plants.

15672 WHITE, H. F. Organic farming; health in relation to soil use. Past. Rev. 55: 936-937. (Cont.) Dec. 15, 1945. 23 Au75

#### Soil Genesis, Formation, Classification, and Mapping

15673 DELONG, W. A. Layer-cakes and soils. Macdonald Col. J. 6(5): 8-9. Jan. 1946. 101 M144

15674 HEGGELUND SMITH, J. Myrene i gran almenning, gran herred, opland. Norsk Myrselskap. Meddel. 43: 118-128. Oct. 1945. 11 N813

Inventory of marshlands soils to determine their utilization for crops and pastures.

15675 JOSHI, R. H. A study of the factors responsible for the colours of soils of C. P. and Berar. Cur. Sci. 14: 329-330. Dec. 1945. 475 Sci23

15676 PRICE, W. A. Relation of soils to geomorphic units in deltas and stabilized eolian mantles. (Abs.) Tex. Acad. Sci. Proc. and Trans. (1944) 28: 155. 1945. 500 T31

#### SOIL MANAGEMENT

15677 CLEMENT, E. Killing soil to get gold. Land 4: 461-463. Autumn 1945. 279.8 L22

Topsoil destruction in dredging for gold.

15678 DALLAM, D. How British miners replace topsoil. Land 4: 459-460. Autumn 1945. 279.8 L22

15679 HOWARD, F. P. Potatoes on the Escalante Desert. West. Farm Life 48(3): 3, 7. Feb. 1, 1946. 6 R153

Development and irrigation of desert land.

15680 MELLO, P. S. Restauração dos cafezais. Brazil. Dept. Mac. do Café. DNC 25: 361-364. Sept. 1945. 286.83 D44

Shading of coffee trees and soil management.

15681 MOORE, I. Lessons from crop failures. Farmer & Stock-Breeder 59: 2095. Dec. 25, 1945. 10 F228

Soil management.

15682 NEEL, L. R. Farming is a business - but also a way of life. Victory Farm Forum, No. 21, p. 9. Jan. 1946. 281.8 F226

Emphasis on soil management.

15683 NICHOLS, M. L. Saving the good earth. Agr. Engin. 27: 67-68. Feb. 1946. 58.8 Ag83

15684 SACKVILLE, J. P. Soil conservation through animal production. Agr. Inst. Rev. 1: 128-131. Dec. 1945. 7 Ag8

15685 SERVISS, G. Bigger crops at a profit. Amer. Agr. 142: 511, 519. Dec. 1, 1945. 6 Am3

Soil management.

15686 SPOONER, H. L. Bringing back a run down farm. Rural New-Yorker 105: 43. Jan. 19, 1946. 6 B88

15687 STEINAUER, J. C. 1946 pastoreale. Breed-er's Gaz. 111(2): 8, 30. Feb. 1946. 49 B74

Money-making, soil-saving pasture methods.

15688 VANCE, B. F. New farm program. Farm and Ranch 65(1): 33. Jan. 1946. 6 T31

Conservation farming in Texas.

15689 VAN SICKLE, M. Bloom and prosperity come to waste land. Farmers Guide 102(1): 12. Jan. 1, 1946. 6 In2

Soil management.



Soil Fertility

- 15690 AMARGÓS, J. L. La fertilización del algodón. Cuba. Min. de Agr. Rev. 28(4): 38-40. Oct./Dec. 1945. 8 Ag88Re
- 15691 AVILA, C. N. El humus, su influencia e importancia para la fertilidad del suelo. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(51): 11-13. Nov. 1945. 8 R3291
- 15692 BAUER, F. C. Legumes in crop rotation. (Abn.) Board's Dairyman 91: 18. Jan. 10, 1946. 44.8 H65
- Fertility value of legumes.
- 15693 BRACKEN, L. O. Good oat yields obtained on same land for 5 years. Victory Farm Forum, No. 21, p. 7. Jan. 1946. 281.8 F226
- Results of using fertilizers.
- 15694 BUTLER, E. A visit to the Alabama Black Belt; will commercial fertilizers pay on Blacklands? Prog. Farmer, Tex. Ed. 61(3): 5, 20. Mar. 1946. 6 T311
- 15695 CESTERO, M. A. El kudzu, una maravilla moderna. Dominican Repub. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr. 36(159): 4-6, 7. Mar./Apr. 1945. 8 R323
- Value as feed and as a soil builder.
- 15696 CHAPMAN, C. J. What about plow-sole fertilizing? New Agr. 28(5): 7. Feb. 1946. 66.8 Su32
- 15697 COLLINS, J. H. Fertilizer by push-button; war boosted crop feeding in irrigation water--you phone, and the man comes round. West. Grower and Shipper 17(3): 8-9. Feb. 1946. 280.38 W52
- Nitrogen.
- 15698 COLLINS, W. O. Nursery soil. Land 4: 449-450. Autumn 1945. 279.8 L22
- Problems of maintaining fertility.
- 15699 COWART, F. F. Nitrogen fertilization of peach trees. Victory Farm Forum, No. 21, p. 13. Jan. 1946. 281.8 F226
- 15700 DIMMER JOHANSEN, J. La fertilización en el cultivo de la cebolla. Agrario 10(368): 6. Sept. 1945. 9.3 Ag85
- 15701 DIMMER JOHANSEN, J. Importancia de la fertilización en el cultivo de la cebolla. Agrario 10(367): 14. Aug. 31, 1945. 9.3 Ag85
- 15702 ESPINOZA T., R. La deficiencia de materia orgánica en los suelos; su influencia sobre los cultivos y medios de contrarrestarla. Agr. Costarricense 3: 442-446. Nov./Dec. 1945. 8 Ag895
- 15703 FERNÁNDEZ S., M. Formación del suelo fértil y su aprovechamiento. Agr. Costarricense 3: 428-432. Nov./Dec. 1945. 8 Ag895
- Includes discussion of various fertilizers.
- 15704 GAYFORD, G. W. A fertilizer trial on W. B. C. pears in the Goulburn Valley. Victoria Dept. Agr. J. 43: 459-463. Nov. 1945. 23 V66J
- Culture and yield of Williams' Bon Chretien pears.
- 15705 HALAIS, P. Evaluation du besoin de la canne en engrais chimiques azotés. Rev. Agr. de l'île Maurice 24: 194-197. July/Aug. 1945. 24 M44
- 15706 HARRINGTON, J. F. A study of the usefulness of plant tissue tests in determining the fertilizer requirements of spinach and snap beans. Cornell U. Abs. Theses 1944: 233-235. 1945. 241.8 C81
- 15707 HARRIS, L. Total yield and grade of potatoes in different rotations. Nebr. State Bd. Agr. Ann. Rpt. 1945: 511-514. 2 N27R
- Effects of rotations and fertilizers on yields.
- 15708 HOEKZEMA, J. P. Ford Wallick puts new life in dead soil on farm; Plowman's Folly idea paid rich rewards to Peru man. Farmers Guide 102(2): 16. Jan. 15, 1946. 6 In2
- Green manuring.
- 15709 JETTER, F. H. They dug it out of a kindly soil. South. Planter 107(2): 41. Feb. 1946. 6 So89
- Fertility of the soil of North Carolina.
- 15710 JOHNS, D. Nitrogen top-dressing in spring best for oat yields. Victory Farm Forum, No. 21, p. 15. Jan. 1946. 281.8 F226
- 15711 KAHN, D. Illinois farmer beats nature in building fertile topsoil. Utah Farmer 65(12): 18. Feb. 10, 1946. 6 D45
- 15712 KEITH, J. Maintaining fertility without dung. Scot. Farmer 54: 338. Jan. 26, 1946. 10 Sco8
- 15713 LOWERY, J. C. Nitrogen applied in fall improves winter grazing. Victory Farm Forum, No. 21, p. 8-9. Jan. 1946. 281.8 F226
- 15714 M., E. Feed the black currants. Pop. Gard. 47: 363. Jan. 12, 1946. 80 G1622
- Fertilizers for currants.
- 15715 MCGEORGE, W. T. Nitrogen fertilization for semi-arid lands. Victory Farm Forum, No. 21, p. 15. Jan. 1946. 281.8 F226
- 15716 MERRY, D. M. E. Topdressing in Nelson. New Zeal. J. Agr. 71: 600-613. Dec. 15, 1945. 23 N48J
- 15717 MORAS T., M. DE. Época y forma de aplicación del salitre. Agrario 10(369): 25. Oct. 15, 1945. 9.3 Ag85
- Application to various crops.
- 15718 MÜSSER, A. M. Asparagus fertilizer tests point way to profits. Victory Farm Forum, No. 21, p. 7. Jan. 1946. 281.8 F226
- 15719 PADEN, W. R. Plow-sole fertilization of corn is found profitable. Victory Farm Forum, No. 21, p. 12. Jan. 1946. 281.8 F226
- 15720 PEEVY, F. A. Outfield experiments give valuable data on ratios. Victory Farm Forum, No. 21, p. 8. Jan. 1946. 281.8 F226
- Fertilizer experiments in Louisiana.
- 15721 PLUMMER, J. K. Copper, manganese and zinc in everyday life. Market Growers J. 75(1): 16, 50. Jan. 1946. 6 M34
- 15722 PRELLER, J. H. Role of legumes in agriculture. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 175, 2 v. Pretoria, 1945. 24 So82Pa
- 15723 R., J. Abonado de los árboles frutales en general. Surco [Madrid] 4(44): 29-30. Oct. 1945. 15 Su7
- 15724 RADEL, L. H. Soil fertility. Tasmanian J. Agr. 16: 160-162. Nov. 1, 1945. 23 T182T
- 15725 REYNOLDS, E. B., and SMITH, J. C. The effects of plowing under hairy vetch on the yield of cotton and on Lufkin fine sandy loam. Amer. Soc. Agron. J. 38(1): 13-21. Jan. 1946. 4 Am34P
- 15726 RODDA, T. E. Comparison of two methods of fertilizer application to spring-planted cabbage. New Zeal. J. Agr. 71: 375, 377. Oct. 1945. 23 N48J
- 15727 ROSS, P. E. Saving the crop-growing ability of the soil. Tex. Farming and Citric. 22(7): 9. Jan. 1946. 80 T31
- 15728 SEELEY, J. O. Soil mixtures, nutrition. Florists' Rev. 97(2515): 30-31. Feb. 7, 1946. 80 W41
- 15729 SERVICIOS TÉCNICOS DE LOS NITRATOS NATURALES CHILENOS. Conveniencia de abonar los papales. Agr. Costarricense 3: 439-440. Nov./Dec. 1945. 8 Ag895
- 15730 SOTO BARROS, V. Aprovechamiento de la paja de los cereales y el uso de los abonos verdes. Agrario 10(369): 28, 30. Oct. 15, 1945. 9.3 Ag85
- 15731 SPOONER, H. L. You can double your corn yield says Illinois soil survey analyst. Farmers Guide 102(2): 3. Jan. 15, 1946. 6 In2
- Addition of nitrogen.

15732 STECK, R. D. 7250/o interest in 90 days. Through the Leaves 33(6): 35-37. Nov./Dec. 1945.

66.8 T41

Fertilizing beets.

15733 VAN DERLINDE, L. New Agriculture's soil science. New Agr. 28(5): 13. Feb. 1946.

66.8 Su32

15734 WALLACE, T. Practical aspects of the manuring of fruit in gardens. Roy. Hort. Soc. J. 71: 16-23. Jan. 1946. Ref. 84 L84J

#### Soil Tilth and Tillage

15735 COLLINS, J. N. Hoeman's folly; why not mulch instead? Land 4: 445-449. Autumn 1945.

279.8 L22

15736 HENDRICKSON, B. H. Brown, rubbishy cover; it may be as good as a living green in the wintertime. Land 4: 455-456. Autumn 1945.

279.8 L22

15737 HENDRICKSON, B. H. How to turn lespedeza sod for cotton. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(2): 23. Feb. 1946.

6 P945G

15738 HUTCHESON, T. B. Preparing the seed bed. South. Planter 107(2): 8, 22. Feb. 1946.

6 So89

15739 J., D. F. Mulching asparagus. Rural New-Yorker 105: 94. Feb. 2, 1946.

6 R88

15740 LLOYD, E. W. The sovereignty of the plough. Field 187: 108. Jan. 26, 1946.

10 F45

15741 SIMMONS, C. More about mulching. Pacific Rural Press, North. Ed. 151: 58. Jan. 19, 1946.

6 P112

15742 SOBOLEV, S. Mul'chirovanie sternef -- novyi metod bor'by s eroziel [Stubble mulching -- a new method for controlling erosion]. Sotsialist. Sel'sk. Khoz. 16(6): 62-64. June 1945.

281.8 So73

15743 WALTERS, D. V. Summer fallowing; best conditions for growth of micro-organisms; nitrification of plant material. Citrus News 21: 170, 175. Nov. 30, 1945.

80 C494

15744 WESTBROOK, E. C. Fall and winter plowing. South. Agr. 76(1): 27. Jan. 1946.

6 So83

15745 WHITE, H. F. Organic farming; further lessons from British farm practice. Past. Rev. 55: 851-852. (Cont.) Nov. 16, 1945.

23 Au75

Tillage theories and practice.

#### Drainage, Irrigation, Water Supply, and Flood Control

15746 ADAMS, J. C. Irrigation--key to prosperity. Nebr. Farmer 88(3): 4, 37. Feb. 2, 1946.

6 N27

15747 AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS. COMMITTEE ON AGRICULTURAL HYDROLOGY. Report on activities. Agr. Engin. 27(1): 36, 42. Jan. 1946.

58.8 Ag83

15748 BOKE, R. L. Acreage limitation. Calif. Farm Expt. 6(2): 8. Feb. 1946.

281.8 C12

On acreage provisions of the Reclamation Law.

15749 C., H. Contour irrigation. Mont. Farmer 33(11): 5. Feb. 1, 1946.

6 M764

15750 CAHAROVITCH, M. The importance of irrigating the plantations at the end of summer. (In Hebrew) Haasadeh 26: 85-87. Nov./Dec. 1945.

26 H27

15751 CARNES, A. Agricultural drainage and land use problems in the Southeastern region. Agr. Engin. 27: 74-76. Feb. 1946.

58.8 Ag83

15752 CLARK, C. S. Conservation of surface water. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 203-211. 1945.

500 T31

15753 COURANJOU, A. Du contrôle de l'irrigation par le grossissement des fruits. Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc. 15: 213-215. Oct. 1945.

80 F9482

15754 EMERSON, A. W. Land leveling for irrigation. Farm Impl. News 67(1): 70-72. Jan. 3, 1946.

58.8 F22

15755 EMERSON, A. W. Water spreading increases crop production. Farm Impl. News 67(4): 78-79, 94, 96, 98. Feb. 14, 1946.

58.8 F22

15756 HALLEN, B. A water right is real property. Westerner 9(1): 16, 34-36. Feb. 1946.

49 W522

15757 HICKOK, R. B. New hydraulic problems. Agr. Engin. 27: 76. Feb. 1946.

58.8 Ag83

Soil moisture; water supply.

15758 KUZNETSOV, I. Osvoenie zemel' Volgo-Akh-tubinskoi polmy [Reclamation of land in the Volga-Akhtuba flood plain]. Sotsialist. Sel'sk. Khoz. 16(6): 48-52. June 1945.

281.8 So73

15759 LESTER, J. Land preparation pays on Buffalo Rapids irrigation project. Mont. Farmer 33(11): 1, 15. Feb. 1, 1946.

6 M764

15760 MCKAY, R. T. Diversion of the Snowy River water; riparian rights. Country Life [Sydney] 57(21): 9. Nov. 23, 1945.

286.85 Sy2

15761 PEARSON, S. E. Waste in the artesian basins [Australia]. Past. Rev. 55: 937-938. Dec. 15, 1945.

23 Au75

15762 PENROSE, E. Is divining scientific? Past. Rev. 55: 852-853. Nov. 16, 1945.

23 Au75

15763 PHILLIPS, W., JR. Oro líquido. Rev. de Agr. [San José] 17: 593-595. Dec. 1945.

8 Tel

Irrigation water.

15764 PURVIS, J. T. Wasted rainfall in relation to crop production. East African Agr. J. 11: 110-114. Oct. 1945.

Ref. 24 Te74

15765 READ, F. M. Irrigation of citrus in the lower Murray Valley. Victoria. Dept. Agr. J. 43: 503-508. Dec. 1945.

23 V66J

15766 ROBBINS, C. E. Lessons in irrigation. Mont. Farmer 33(10): 5. Jan. 15, 1946.

6 M764

15767 SAVILLE, T. Water management. Land 4: 383-387. Autumn 1945.

279.8 L22

15768 SØKNAD om statsbidrag og forslag til budsjet for 1946. Norsk Myrselskap. Meddel. 43: 131-142. Dec. 1945.

11 N813

Outlines work of the Norwegian marshland association relating to marshland reclamation and cultivation.

15769 WINSTON, J. B. Water supply problems of the Gulf Coast area. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 111-112. 1945.

500 T31

15770 WINTER, E. T. Missouri river flood control - power generation. Iowa Bur. Farmer 10(2): 10. Feb. 1946.

275.293 Iowa

#### Erosion and Erosion Control

15771 BEISEL, M. E. Man, his food and the soil. Milking Shorthorn J. 27(1): 60-61. Jan. 1946.

43.8 M59

Importance of soil conservation.

15772 BELL, J. E., and CAMPBELL, D. A. Soil erosion. New Zeal. J. Agr. 71: 587-599. Dec. 15, 1945.

23 N48J

15773 BURKHOLDER, M. Trees fight sand dunes; man must reforest much of our lighter soils if he is to keep it from blowing away. Family Herald and Weekly Star 76(50): 5. Dec. 12, 1945.

7 F21

15774 CHEPIL, W. S. Dynamics of wind erosion: III. The transport capacity of the wind. Soil Sci. 60: 475-480. Dec. 1945.

Ref. 56.8 So3

15775 COTTON, J. The place of contour pasture furrows in Maryland permanent pastures. Md. Horse 11(1): 18-20. Jan. 1946.

42.8 K36

15776 ELWELL, H. M. Seed hay for regressing eroded land. Okla. Acad. Sci. Proc. (1944) 25: 43-45. 1945.

Ref. 500 Ok42



- 15777 FRANCIS, D. Put a little Sunday on it. Land 4: 450-451. Autumn 1945. 279.8 L22  
On the Missouri Terracing and Conservation Contractors' Association.
- 15778 HARPER, F. B. There is a growing need for more soil conservation districts. Better Farming Methods 18(2): 21, 40. Feb. 1946. 58.8 B46
- 15779 HOREKZEMA, J. P. Soil exhaustible; neglect costly; you should act. Farmers Guide 102(4): 19. Feb. 15, 1946. 6 In2
- 15780 THE IMPORTANCE of contour-bank maintenance; details of new methods of ploughing and planting; clockwise and anti-clockwise systems. Farmer's Weekly [Bloemfontein] 70: 720-721, 723. Nov. 28, 1945. 24 F225
- 15781 ISELY, C. C. Will the dust bowl return? Feedstuffs 18(6): 34-37, 40-42. Feb. 9, 1946. 286.81 F322
- 15782 LINKOUS, W. L. How we do it in Harford [Soil Conservation District]. Land 4: 477-480. Autumn 1945. 279.8 L22
- 15783 LORD, R. Groundline democracy; the story of a soil district. Land 4: 474-477. Autumn 1945. 279.8 L22
- 15784 MCMULLEN, K. S. Conservation of the soil and water resources of Florida. Econ. Leaflets, v. 5, No. 1, 4 p. Dec. 1945. 280.9 F663
- 15785 MALKIN, G. F. The rhythm of water. Canad. Nature 7: 152-155. Nov./Dec. 1945. 410 G162  
Soil erosion.
- 15786 MEZZOTTONI, R. J. Conservación de los suelos. Pt. I. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 436. Nov. 15, 1945. 9.9 G15B
- 15787 FRIDGEON, S. Soil conservation; how a Crockett [Texas] farmer saved his land. Coastal Cattleman 11(12): 26, 30. Feb. 1946. 43.8 C463  
Erosion control.
- 15788 SÁENZ MAROTO, A. Algunos aspectos físicos de la erosión. Inst. de Defensa del Café de Costa Rica. Rev. 15: 573-579. Oct. 1945. 68.28 C82
- 15789 SCOTT, J. N. Clearmont man uses wheat-grass in soil conservation efforts. Wyo. Stockman-Farmer and Wyo. Indus. J. 52(2): 8. Feb. 1946. 6 W922
- 15790 SHARPE, G. The abandoned farm. Natl. County Agent 2(2): 23. Feb. 1946. 275.28 N213  
Soil erosion in West Virginia.
- 15791 THOMAS, G. Far-west erosion control. Country Life [Sydney] 57(21): 4. Nov. 23, 1945. 286.85 Sy2
- 15792 U. S. WAR DEPT. Grounds maintenance, dust and erosion control; repairs and utilities. U. S. War Dept. Tech. Manual. TM 5-630, 78 p. Washington, 1945. 152 T22
- 15793 VINE, V. There's cash in soil conservation. Farm J. 70(2): 23-24. Feb. 1946. 6 F2212
- 15794 WHITE, J. A. No one can afford soil erosion. Ala. Farmer 14, 1. e. 24(2): 9. Jan. 1946. 276.8 AL1
- 15795 WILSON, H. M. Doctoring-up the farm. Natl. County Agent 2(2): 40. Feb. 1946. 275.28 N213  
Soil conservation.

#### Sanitation

- 15796 CROSBY, J. New fumigants kill soil pests. Calif. Cult. 93: 65, 92. Feb. 2, 1946. 6 G12
- 15797 D., S. W. Getting the greenhouse ready for 1946 - first sterilise the potting composts. Pop. Gard. 47: 364. Jan. 12, 1946. 80 G1622

- 15798 JACKS, R. Soil disinfection, III. Chemical treatments for eelworm control. New Zeal. J. Sci. and Technol. Sect. A, Agr. 27: 93-97. Aug. 1945. 514 N48A
- 15799 JOHNSON, J. Soil-steaming for disease control. Soil Sci. 61: 83-91. Jan. 1946. Ref. 56.8 So3
- 15800 NEWHALL, A. G. Volatile soil fumigants for plant disease control. Soil Sci. 61: 67-82. Jan. 1946. Ref. 56.8 So3  
Includes equipment.

#### MATERIALS FOR SOIL IMPROVEMENT

- 15801 BARANOV, P. Organizatsionnye voprosy khimizatsii sel'skogo khoziaistva [Organization questions in the chemicalization of agriculture]. Sotsialist. Sel'sk. Khoz. 16(6): 43-47. June 1945. 281.8 So73  
Planning the production and utilization of fertilizers in the U. S. S. R.
- 15802 CIRANNA, C. Abonos orgánicos y minerales. Vinos. Viñas y Frutas 41: 273-284. (Concl.) Dec. 1945. 9 Ag89
- 15803 GARDNER, R. Unit prices of commercial fertilizer ingredients. Spud Notes 3(9): 3-4, processed. Jan. 1946. 75.8 Sp9
- 15804 HILL, L. What is the national fertilizer policy bill? Food Packer 27(2): 72-73. Feb. 1946. 286.83 C165
- 15805 MILLAR, C. E. 1946 fertilizer recommendations for sugar beets in Michigan. Sugar Beet J., Jan. 1946, p. 177-178. 66.8 Su38
- 15806 STURGIS, M. B. Louisiana fertilizer recommendations. Prog. Farmer, Miss.-Ark.-La. Ed. 61(2): 22. Feb. 1946. 6 So81
- 15807 WHAT fertilizers should we use in 1946? Prog. Farmer, Car.-Va. Ed. 61(2): 17. Feb. 1946. 6 P945  
Fertilizer recommendations for Virginia, North Carolina, and South Carolina.
- 15808 WILKINSON, C. C. Liquid fertilizer—development may be boom to growers. Calif. Fruit and Veg. Rev. 6(11): 21, 61, 63. Feb. 1946. 80 G1224

#### Primary Materials

- 15809 DOETSCH, J. F. Chilean nitrate for 1946 crops. Victory Farm Forum, No. 21, p. 2. Jan. 1946. 281.8 F226
- 15810 ENRIQUEZ FRODEN, R. El problema de los abonos nitrogenados en Chile. Agrario 10(368): 10-11, 14. Sept. 1945. 9.3 Ag85
- 15811 KLINCK, K. O. Modern industry helps build our soils. O. A. C. Rev. 58: 141-142. Dec. 1945. 276.8 On8  
Ammonium sulphate.
- 15812 PETERSON, E. G. Phosphate, one of the keys to American prosperity; phosphorus called agriculture's master key; essential for plants and animals. Utah Farmer 65(11): 3, 8. Jan. 25, 1946. 6 D45
- 15813 WELTY, S. F. Use "air" to multiply your crop. Mag. Digest 32(3): 72-74. Mar. 1946. 110 M27  
Conversion of nitrogen in the air into fixed nitrogen for fertilizer.
- 15814 WHITEHEAD, S. B. Know your fertilisers. 3. Mariate of potash. Pop. Gard. 47: 373. Jan. 26, 1946. 80 G1622

#### Secondary and Minor Element Materials

- 15815 ANDREWS, W. B. Commercial value of sodium in nitrate of soda. Victory Farm Forum, No. 21, p. 12. Jan. 1946. 281.8 F226

15816 BEAR, F. E. Minor elements become a major problem. Victory Farm Forum, No. 21, p. 4-5. Jan. 1946. 281.8 F226

15817 CARVALLO DRIEN, G. Papel fisiológico de los elementos menores contenidos en el salitre. Agrario 10(368): 18. Sept. 1945. 9.3 Ag85

15818 FRICKE, E. F. Molybdenum deficiency in the North-East. Tasmanian J. Agr. 16(1): 1-4. Feb. 1, 1945. 23 T182T

Field trials showing incidence of grass grub [Oncomera app.] in relation to treatment applied.

15819 LEHR, J. J. Function of the sodium in nitrate of soda and significance of the accompanying ions. Victory Farm Forum, No. 21, p. 5-6. Jan. 1946. 281.8 F226

15820 LUNDELAD, K. Erfarenheter från lokala försök med mikroelement. Lantmannen 30: 27-28, 48. Jan. 12, 1946. 11 L234

Swedish experiments with microelements for the growth of crops.

15821 VOLK, N. J., TIDMORE, J. W., and MEADOWS, D. T. Supplements to high-analysis fertilizers with special reference to sulfur, calcium, magnesium, and limestone. Soil Sci. 60: 427-435. Dec. 1945. Ref. 56.8 So3

#### Mixed Fertilizers and Fertilizer Technology

15822 JONES, E. How many fertilizer grades? Ohio Farmer 197(2): 12. Jan. 19, 1946. 6 Oh3

15823 OWENS, J. S. Fertilizer grades and standards. New England Homestead 119(1): 16. Jan. 12, 1946. 6 N442

#### Fertilizer Statistics

15824 DORMAN, C. Fertilizer recommendations for '46, based on soils and crops; 5 grades available. Miss. Farm. Res. [Miss. Sta.] 8(12): 1, 3-5. Dec. 1945. 100 M69M1

15825 MIEGE, E. La situation et le prix des engrais. Fruits et Primeurs de l'Afrique du Nord. Éd. Maroc. 15: 208-209. Oct. 1945. 80 F9482

15826 OWENS, J. S. Fertilizer grades and supplies. Amer. Agr. 143: 54. Feb. 2, 1946. 6 Am3

15827 SERIOUS fertilizer situation Great Britain. By Varro. Field 186: 542. Nov. 24, 1945. 10 F45

#### Mineral Soil Amendments

15828 FUDGE, J. F., and FRAPS, G. S. The need for lime in east Texas soils. Coastal Cattleman 11(12): 20-21. Feb. 1946. 43.8 C463

15829 HOEKZEMA, J. P. Lime; "put it on, don't put it off" is best rule. Farmers Guide 102(2): 23. Jan. 15, 1946. 6 In2

15830 HUTCHESON, T. B. "How much lime should Virginia farmers use?" Prog. Farmer, Car.-Va. Ed. 61(2): 20, 25. Feb. 1946. 6 P945

15831 PHILLIPS, R. H. Lime: does your soil need it? Amer. Home 35(3): 55. Feb. 1946. 80 Am313

15832 SWANSON, D. W. J. It's an old Cornish custom. Farmers Weekly [London] 23(25): 24. Dec. 21, 1945. 10 F2226

Coastal beaches of Cornwall as a source of lime for farmers.

15833 WHITEHEAD, S. B. Learn to know your fertilizers: 1. Basic slag. Pop. Gard. 47: 362. Jan. 12, 1946. 80 G1622

15834 WHITEHEAD, S. B. Liming for crops. Gard. Chron. 119: 22. Jan. 12, 1946. 80 G162

#### Manures and Composts

15835 B., F. Mist oder kompost? Schweiz. Gart., No. 11, p. 319. Nov. 1945. 80 Sch93

15836 BELANGER, J. A. Le fumier de ferme. Terre de Chez Nous 18(13): 8. Jan. 2, 1946. 7 T27

15837 DELONG, W. A. Dollars down the drain. Macdonald Col. J. 6(5): 8. Jan. 1946. 101 M144

Loss of liquid manure through improper storage.

15838 GARDNER, R., and ROBERTSON, D. W. High manure losses on Colorado farms may be reduced, experiment shows. Colo. Farm B. [Colo. Sta.] 7(6): 10. 12. Nov./Dec. 1945. 100 C718

15839 WHITEHEAD, S. B. Learn to know your fertilizers. 2. The various types of bone manure. Pop. Gard. 47: 374. Jan. 19, 1946. 80 G1622

15840 GREAVES, J. E. The functions of organic matter in the soil. Calif. Cult. 93: 46, 50. Jan. 19, 1946. 6 C12

15841 HABER, M. The utilization of refuse in agriculture. (In Hebrew.) Hassadeh 26: 122-123. Nov./Dec. 1945. 26 H27

15842 IS MUCK really necessary? By Varro. Field 187: 74. Jan. 19, 1946. 10 F45

15843 MENDIZÁBAL, M. F. Como se utilizan los residuos de vinificación en la preparación de un "compost" para abono. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 393. Oct. 11, 1945. 9.9 G15B

15844 NICHOLSON, H. S. Merits of trash gardening. Horticulture 24(1): 20. Jan. 1, 1946. 80 H787

15845 PRALL, P. A. Manurial values of poultry manure. Poultry World 77: 295. Dec. 14, 1945. 47.8 P8682

15846 B. Poultry manure. Poultry Farmer [Sydney] 12(56): 32. June 23, 1945. 280.28 Or32

15847 RODALE, J. I. Farming without chemical fertilizers; composting on a 63-acre farm. Country Book Mag. 5(3): 39-44. Winter 1946. 6 C836

15848 S., B. W. Telling you all about pest. Pop. Gard. 47: 366. Jan. 12, 1946. 80 G1622

15849 SAUCHELLI, V. Lignin: fertilizer material or soil amendment? A brief review of selected investigations. Chemurg. Digest 5(1): 30-32. Jan. 15, 1946. 381 M213Ne

Product of sawmill waste.

#### FORESTRY

##### FOREST ECONOMICS AND POLICY

15850 BEVERSLUIS, J. R. Bedrijfsdoel, bedrijfsregeling en bedrijfsplan in den boschbouw [Goal, regulations, and plan in forestry]. Nederland. Boschbouw Tijdschr. 18: 11-14. Jan. 1946. 99.8 N28

15851 CARVAJAL ORTEGA, V. La empresa de la reforestación, y la sociedad de amigos del árbol quedan inspiradas por el libertador. Vida Rural 7(76): 24-25. Nov. 1945. 9.4 V66

15852 CHINARD, G. Forests; part I. The far background. Land 4: 377-382. Autumn 1945. 279.8 L22

Forest policies.

15853 CLUB ROTARIO DE BOGOTÁ. COMITÉ FORESTAL. Instituto de Fomento Forestal. Vida Rural 7(76): 27-30. Nov. 1945. 9.4 V66

Includes text of a proposed bill for forest planting and conservation in Colombia.

15854 GERARD, F. La industria de maderas no coníferas y nuestro comercio exterior. Indus. Forest. 1(3): 10-12. July 1945. 99.8 In23

Mexico's foreign trade in hardwoods.

15855 KOTOK, E. I. Progress made on research program. Forest Farmer 5(4): 4-5. Jan. 1946. 99.8 F7692



15856 LÓPEZ, J. L. La ley del tanto por ciento y la teoría de la utilidad decreciente para el bosque. *Arboles* 2: 346-349. Nov./Dec. 1945. 99.8 Ar16  
Speech at opening of first Congreso Forestal, Colombia.

15857 MEZA CIENFUEGOS, H. El problema forestal de Michoacán [México]. *Indus. Forest.* 1(3): 9. July 1945. 99.8 In23

15858 OBERLI, H. Die bestuerung der forstreservefonds. *Schweiz. Z. f. Forstw.* 96: 329-345. Dec. 1945. 99.8 Sch9

15859 ORTIZ GARMENDIA, J. Los bosques artificiales y el Estado. *Campeño*, [Santiago], 77: 415-417. July 1945. 9.3 Sol2

Chile's policy promoting reforestation.

15860 TAPIA T., R. Es necesario volver los ojos al pasado. *Indus. Forest.* 1(3): 16-17. July 1945. 99.8 In23

On Mexican forest problems.

15861 URIBE RAMÍREZ, G. La esterilidad de la tierra y la culpabilidad del hombre. *Vida Rural* 7(76): 8-9. Nov. 1945. 9.4 V66  
Need for reforestation in Colombia.

15862 WRIGHT, W. A., and DEAN, G. W. A four-point [Virginia] State forestry program; adequate protection from forest fires and better timber harvesting methods are two of the basic needs. *Commonwealth* 12(12): 7-9. Dec. 1945. 280.8 C732

### Legislation

15863 HUBER, A. Zur geschichte des Art. 26 im eidg. forstgesetz von 11. Oktober 1902. *Schweiz. Z. f. Forstw.* 96: 141-157. July/Aug. 1945. Ref. 99.8 Sch9

### FOREST DESCRIPTION AND RESOURCES

15864 BROWN, W. R. The ancient forests of Hampshire. *Trees*, [Dorchester], 9: 98-101. Jan./Mar. 1946. 99.8 W52

15865 DELMAS, Les forêts d'Andorre. *Rev. des Eaux et Forêts* 83: 565-592. Oct. 1945. 99.8 R322

15866 FINDLAY, R. The pine woods of Ravenna. *Gard. Chron.* 119: 22. Jan. 12, 1946. 80 G162

15867 KRAMER, J. H. Forest resources and lumber industry of Colombia. U. S. Bur. Foreign and Dom. Com. *Indus. Ref. Serv.* Pt. 6. *Forest Prod.*, v. 3, pt. 6, 6 p. Washington, 1945. 157.54 In236

15868 PURKIS, T. Information and photographic service promotes Quebec forest resources. *Canada Lumberman* 66(2, i. e. 3): 58-59, 65. Feb. 1, 1946. 99.81 C16

15869 STIJN, J. A. VAN. De nederlandse bosschen na den oorlog [Netherlands forests after the war]. *Nederland. Boschbouw Tijdschr.* 18: 1-3. Jan. 1946. 99.8 N28

### Individual Genera and Species

15870 AQUINO LEITE, F. E. DE. Guassatonga [Casearia sylvestris]. *São Paulo. Sec. da Agr., Indús. e Com. B. de Agr. (ser. 44)* 1943: 420-423. 1945. 9.2 Sa63

15871 CANADA. FOREST SERVICE. The birches. *Canad. Nature* 7: 164-169. Nov./Dec. 1945. 410 G162  
Color plate of wood, p. 167.

### FOREST ADMINISTRATION AND MANAGEMENT

15872 GALICIA, D. F. Trabajos de ordenación y explotación forestal en terrenos de indígenas Tarumeras en el Estado de Chihuahua. *Indus. Forest.* 1(3): 26-29. (Cont.) July 1945. 99.8 In23

15873 GROSSMANN, H. Privatwaldzusammenlegungen. *Schweiz. Z. f. Forstw.* 96: 286-302. Nov. 1945. 99.8 Sch9

15874 MCMILLAN, M. E. C. Bread on limbs. *Land* 4: 451-455. Autumn 1945. 279.8 L22

Improvement of food producing forest trees, such as nut and berry trees.

15875 MATTHEWS, D. M. No mystery to forest management; same basic principles as any other business. *Canada Lumberman* 66(2, i. e. 3): 42-43. Feb. 1, 1946. 99.81 C16

15876 NEVES, C. M. B. Introdução ao estudo da "protecção" do sobreiro em Portugal. *Portugal. Junta Nac. da Cortiça. B.* 7: 215-218, xlvii. Mar. 1945. 309.9 J96

English summary, p. xlvii.

15877 SPURR, S. H. Latest developments in aerial photography. *Forest Notes* 9(3): 14-18. Dec. 1945. 99.81 F7691

Applications in forest management.

### Administration

15878 AUSTRALIA. FORESTRY BUREAU. Annual report, 1944, 15 p., processed. Canberra, 1945. 99.9 Au723A

15879 BAVIER, B. Die regelung von wald und weide in Graubünden. *Schweiz. Z. f. Forstw.* 96: 158-170. July/Aug. 1945. 99.8 Sch9

15880 FRITZ, E. A proposal for merging all Federal timber owning departments. *West Coast Lumberman* 73(1): 76-78. Jan. 1946. 99.81 W52

15881 REYNOLDS, H. A. The New England Forestry Foundation. *Forest Notes* 9(3): 5-9, 18. Dec. 1945. 99.8 F7691

Outlines plan for supplying forest management assistance to owners of small holdings.

15882 WESTERN AUSTRALIA. FORESTS DEPT. Report, 1944/45, 14 p. Perth, 1945. 99.9 W52A

15883 WYATT-SMITH, J. The Ibadan Fuel Plantations [Nigeria]. *Farm and Forest* 6: 95-99. Apr./June 1945. 24 F226

Administration of the plantations.

### Farm Woodlands

15884 ANTONIO RODRÍGUEZ, J. Montes de abrigo y sombra. *Asoc. Rural del Uruguay. Rev.* 72(10): 56-60. (Concl.) Oct. 1945. 9.9 As5

15885 BENHAM, E. H. Systematic planning of farm shelter. *Tasmanian J. Agr.* 16(1): 9-13. Feb. 1, 1945. 23 T182T

Windbreaks.

15886 COLEMAN, S. A line of trees that saved the West. *Mag. Digest* 32(2): 29-32. Feb. 1946. 110 M27

Shelterbelts.

15887 CONSERVE, I. A heritage--our soil. *Milky Way* 4(4): 6. Jan. 27, 1946. 280.28 M595

Windbreaks.

15888 HICKS, H. M. You are a forest landowner. *Country Book Mag.* 5(3): 9-24. Winter 1946. 6 C836

Management of farm woodlands.

15889 LOCKE, S. S. The sugar bush pays off. *Mich. Farmer* 206: 45, 60. Jan. 19, 1946. 6 M58

Also in *Ohio Farmer* 197(2): 8. Jan. 19, 1946. 6 Oh3

15890 MOORE, T. F. How selective cutting paid off. *Farm and Ranch* 64(12): 6. Dec. 1945. 6 T31

15891 NOW IS the time to tap sugar maples for sap. *Farmers Guide* 102(4): 2. Feb. 15, 1946. 6 In2

15892 OLSON, H. Profitable forest farming--experience in Eldorado Co. *Pacific Rural Press*, North. Ed. 151: 54-55. Jan. 19, 1946. 6 P112

15893 ROTH, C. Windwurf an rodungssäumen. *Schweiz. Z. f. Forstw.* 96: 180-181. July/Aug. 1945. 99.8 Sch9

15894 STREIFFERT, T. Föreningarna ger bonde-skogsbruket stordriftens fördelar. *Jordbrukarnas Föreningsblad*. Uppl. A: Östra Mellansverige och Gästrikland 15(47): 1, 10. Nov. 24, 1945. 11 J762  
Farm forests in Sweden.



Mensuration

- 15895 GRIFFITH, A. L. The efficiency of enumerations. V-VI. Forest Res. Inst., Dehra Dun. Indian Forest Leaflet, No. 86, 12 p. 1945. 99.9 F768  
V. Upper Assam tropical evergreen forest. VI. Typical calculations.

FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Pathology in the Plant Science section; articles on forest insects in the Entomology section.

Fire

- 15896 BUSH fire fighting equipment. By Knapsack. Past. Rev. 55: 849-851. Nov. 16, 1945. 23 Au75  
15897 FONS, W. L. Analysis of fire spread in light forest fuels. J. Agr. Res. 72: 93-121. Feb. 1, 1946. Ref. 1 Ag84J

SILVICULTURE

See Items 15061-15069

LUMBERING

- 15898 EDWARDS, H. A. Exploits of a British forestry company in West Africa. Land Agents Soc. J. 44: 222-226. Dec. 1945. 282.9 L22  
15899 FRELITZ, N. Våra skogar ha gått helskinade ur krisen; skogsbruket under 1945. Lantmannen 30: 7-8. Jan. 5, 1946. 11 L234  
Lumber production in Sweden in 1945.  
15900 LAMB, G. N. The mahogany situation. South. Lumberman 172(2156): 60. Feb. 1, 1946. 99.81 So82  
15901 SILVY-LELIGOIS, P. Première étude sur les bois de qualité exceptionnelle, définitions et classements. Rev. des Eaux et Forêts 83: 627-640. Nov. 1945. 99.8 R322  
15902 WILLIAMSON, H. D. Timber. Walkabout 12 (3): 7-12. Jan. 1, 1946. 331.8 W15  
Lumbering in Australia.

Equipment

- 15903 COLLET, M. H. Pulpwood production tools. Paper Indus. and Paper World 27: 1203-1206, 1209. Nov. 1945. 302.8 P1923  
15904 GUINAUDEAU, C. Note sur les téléferiques en Haute-Savoie pour les transports de bois. Rev. des Eaux et Forêts 83: 595-594. Oct. 1945. 99.8 R322  
15905 MILLER, E. B. Arkansas man builds mobile wood saw. Ark. Farmer 48(1): 8-9. Jan. 1946. 6 Ar42  
15906 SWAIN, L. C. Ingenious logging devices. Forest Notes 9(3): 10-13. Dec. 1945. 99.8 F7691  
15907 WIESEHUEGEL, E. G. Power chain saws and manual crosscut saws in the production of hardwood logs. South. Lumberman 172(2155): 46-50. Jan. 15, 1946. 99.81 So82

Logging

- 15908 LOPEZ NOVELO, M. A. Costo de explotación y aserrado de maderas. Fomento [monthly] 2(23): 13-16. Sept. 1945. 8 F734  
15909 MATTHEWS, D. M., and WILLARD, J. A. Pre-planning of logging operations for minimum costs. Paper Trade J. 122(6): 43-47. Feb. 7, 1946. 302.8 F196  
15910 PARK, K. F. Bulldozer accident prevention. Pulp and Paper Mag. of Canada 46: 1012-1013, 1015. Dec. 1945. 302.8 P96  
15911 PATE, W. F. The logging industry at Diboll, Texas. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 232-241. 1945. 500 T31  
15912 STOVALL, C. How to top a spar tree with explosives. Timberman 47(4): 49, 52. Feb. 1946. 99.81 T484  
From notes by Tom Watson.

Lumber Industry

- 15913 FULLAWAY, S. V., JR. Western pine industry plans ahead. Calif. Lumber Merchant 24(12): 42, 44. Dec. 15, 1945. 99.81 C12

Sawmills

- 15914 OTTER, J. R. Circular sawmills, their equipment and operation. Chapter III. Auxiliary sawmill equipment. South. Lumberman 171(2155): 51-52, 54, 56, 58, 60, 62. Jan. 15, 1946. 99.81 So82  
15915 WRIGHT, T. G. "Brother, what an outfit!" Timberman 47(4): 38-39, 54, 56. Feb. 1946. 99.81 T484  
Work of U. S. armed forces in Germany with a sawmill.

WOOD TECHNOLOGYChemical and Physical Properties

- 15916 CHONDHURY, K. A. The identification of Burma commercial timbers. Indian Forest Rec., New Ser., Util., v. 3, No. 6, 27 p. Dehra Dun, 1945. 99.8 In22U  
15917 MACLEAN, J. D. Rate of temperature change in short-length round timbers. Amer. Soc. Mech. Engin. Trans. 68(1): 1-16. Jan. 1946. 291.9 Am3T  
15918 TIEMANN, H. D. Measurement of moisture in wood. Electric moisture meters. South. Lumberman 172(2155): 65-66. Jan. 15, 1946. 99.81 So82

Preservative Treatment

- 15919 ANDERSON, A. B., and LOZIER, E. W. Knot sealer WP-578 prepared by Western Pine Association experts. Miss. Val. Lumberman 77(6): 8. Feb. 8, 1946. 99.81 M69  
15920 BAECHELER, R. H. A gelation test as a possible means of analyzing creosote-petroleum solutions. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 120-132. Ref. 300.9 Am3  
15921 BEEMAN, W. H. Salt treatment for posts and poles. Wash. Packer 2(6): 8. Jan. 1946. 389.8 W27  
15922 BESCHER, R. H. Creosoted lumber in contact with drinking water; methods for preventing undesirable taste when water is chlorinated. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 145-148. 300.9 Am3  
15923 CURWEN, M. D. Naphthenates in wood and fabric preservation. Oil and Colour Trades J. 109: 82, 84, 86. Jan. 11, 1946. 306.8 O152  
15924 DOSKER, C. D. Laminating lumber suitable for wood preserving. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 212-228. 300.9 Am3  
15925 HELPHENSTINE, R. K., JR. Quantity of wood treated and preservatives used in the United States in 1944. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 236-259. 300.9 Am3  
15926 W., J. Wie verlängern wir die gebrauchsdauer des holzes? Schweiz. Gart., No. 8, p. 231-232. Aug. 1945. 80 Sch93  
15927 PRESTON, R. J. Station establishes fence-post farm to determine best preservative treatments. Colo. Farm B. [Colo. Sta.] 7(6): 5, 7. Nov./Dec. 1945. 100 C71S  
15928 SCHEFFER, T. C., and VAN KLEECK, A. The decay resistance of wood impregnated with fire-retarding ammonium salts. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 204-210. 300.9 Am3  
Discussion, p. 210-211.  
15929 SEYER, W. F. The leaching of copper, zinc and arsenic salts from wood piles. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 137-144. Ref. 300.9 Am3  
15930 TURLEY, C. D. Why ties are removed from track. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 148-152. 300.9 Am3  
Discussion, p. 151-152.



15931 VAUGHAN, J. A. Apparatus and method for removing benzol-insoluble matter and water from used creosote. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 132-137. Ref. 300.9 Am3

#### Seasoning and Conditioning

15932 HELGUERA, G. Procedimientos para la desecación de maderas. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 441. (To be cont.) Nov. 22, 1945. 9.9 G15B

#### FOREST PRODUCTS

15933 ANDERSON, A. B. Painting over knots with knot sealer WP-578. Paint and Varnish Prod. Mgr. 26: 48-49. Feb. 1946. (Madison Sub-Branch Libr.)

15934 COLLINS, W. B. Palm and produce. Farm and Forest 6: 67-68. Apr./June 1945. 24 F226  
Palm products.

15935 DUNN, F. M. Industrial alcohol from wood waste. Chem. Prod. 9(1/2): 15-17. Nov./Dec. 1945. 382 C428

15936 HEATH, J. B. The mosquito aeroplane. South. Lumberman 172(2156): 55-57. Feb. 1, 1946. 99.81 So82

15937 KENNEDY, D. E., and WAKEFIELD, W. E. Laminated wood for sleigh construction. Pulp and Paper Mag. Canada 47(1): 58-59. Jan. 1946. 302.8 P96

15938 KENNEDY, D. E. Strength and practicality of laminated beams established. Canada Lumberman 66(2, 1. e. 3): 44-45, 120. Feb. 1, 1946. 99.81 C16

15939 PAUL, B. H., and BAUDENDISTEL, M. E. Tests show open-grown sugar maple makes good shuttles. Textile Age 10(1): 56, 58. Jan. 1945. 304.8 T3132

15940 PINTO, E. H. A brief history of wood adhesives. Wood 11(1): 10-12. Jan. 1946. 99.82 W855

15941 REHMAN, M. A., and ISHAQ, S. M. Indian woods for battery separators. Indian Forest B., New Ser., Util. 124, 20 p. Dehra Dun, 1945. 99.9 In22B

15942 RISHELL, C. A. We must utilize our wood waste. California 35(9): 22-23, 36-37. Sept. 1945. 280.8 C12

15943 SEBORG, R. M., and FLEISCHER, H. O. Modified and improved wood in western Germany. U. S. Dept. Comm. Off. Pub. Bd. Ept. 1332, 47 p., processed. Washington, 1945. 157.8 R29

15944 SEBORG, R. M., and FLEISCHER, H. O. Production and fabrication of glued wood products in western Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt., No. 131E, 64 p., processed. Washington, 1945. 157.8 R29

15945 SMITH, W. T. A discussion of the problems encountered in the proper finishing of birch. Wood Prod. 51(1): 34, 36. Jan. 1946. 99.82 W856

#### Barrels, Boxes, and Crates

15946 WAGNER, J. B. Tight barrel "outside" joint. Barrel and Box and Packages 51(1): 16. Jan. 1946. 99.82 B27

#### Building Construction

15947 CROMIE, G. A. Building with green timber. Conn. Woodlands 11: 44-45. Jan. 1946. 99.8 C76

15948 KELLEY, J. J. Fastening and reinforcement of timber. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 228-230. 300.9 Am3

15949 TEESDALE, L. V. Reducing hazards of green framing lumber in post-war housing. South. Lumberman 172(2156): 45-47. Feb. 1, 1946. 99.81 So82

#### Furniture

15950 HICKOCK, W. H. Dielectric heating in furniture manufacturing. South. Power and Indus. 64(1): 64-66. Jan. 1946. 291.8 So8

15951 REINTECKE, J. J. Wood office furniture industry to develop new markets. Furniture Mfr. 61(1): 22. Jan. 1946. 300.8 F982

Also in South. Lumberman 172(2155): 64. Jan. 15, 1946. 99.81 So82

#### Naval Stores

15952 ALZATI, S., JR. Nuevo metodo de extraccion de aguarrás. Mex. Dir. Gen. del Com. Ext. y del Serv. Cons. Rev. del Com. Ext. 10(11): 22-23. Nov. 1945. 286.8 M575

15953 DESTOUESSE, M. Le présent et l'avenir des fabricants de produits résineux. Bois et Résineux 28(1371): 2. Aug. 15, 1945. 99.82 B63

15954 OKLÉ, M. La distribution des produits résineux. Bois et Résineux 28(1371): 1. Aug. 15, 1945. 99.82 B63

15955 OSTROM, C. E. An experimental closed system devised by Thomas Edison for collecting latex and pine gum. Naval Stores Rev. 55(43): 8, 12. Jan. 26, 1946. 99.81 N22

Also in AT-FA J. 8(4): 12. Jan. 1946. 309.8 Am3

15956 OSTROM, C. E. Gum yields from chemical stimulation are affected by spraying technique. Naval Stores Rev. 55(46): 15. Feb. 16, 1946. 99.81 N22

15957 PROGRESS in pine woods. AT-FA Journal 8(4): 6-7, 9. Jan. 1946. 309.8 Am3

Turpentine farming.

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#### Plastics

15958 NORTON, A. J. Pulp moulding. Pulp & Paper Indus. 20(1): 44, 46. Jan. 1946. 302.8 P11

15959 REDFERN, D. V. Laminates and overlays. Pulp & Paper Indus. 20(1): 48, 50. Jan. 1946. 302.8 P11

Paper plastics and plywood overlays.

#### Pulp and Paper

15960 ANDERSON, C. A. Effect of damaged chips on pulp quality. Pulp and Paper Mag. Canada 47(1): 43. Jan. 1946. 302.8 P96

15961 BERTRAND, G., and DELGA, J. Sur le mécanisme de la fabrication du papier de paille par macération. Paris. Acad. des Sci. Compt. Rend. 220: 805-807. June 4, 1945. 505 P21

15962 BETTENDORF, H. J. Future paperboard production facilities. Fibre Containers 31(1): 20, 22, 27-28. Jan. 1946. 286.8 F44

15963 BETTENDORF, H. J. Paperboard and paperboard boxes. A history. Chapter VI. Development of set-up boxes. Fibre Containers 30(11): 32, 34, 39-40, 42, 44. (Cont.) Nov. 1945. 286.8 F44

15964 BOLLAERT, R. High frequency heating in pulp and paper industry. Pulp & Paper Indus. 20(1): 40, 42. Jan. 1946. 302.8 P11

15965 BRANDSTROM, A. J. F. Importance of second-growth to the West Coast pulp industry; methods to accomplish management. West Coast Lumberman 73(1): 68-69, 100. Jan. 1946. 99.81 W52

15966 CORNELL, J. Business forecast for 1946. Paper Mill News 69(4): 12, 14. Jan. 26, 1946. 302.8 P195

Includes outlook for pulp and paper production.

15967 DENNY, J. L. Moisture content of paper and humidity. Patra J. 9: 139-151. Dec. 1945. (Madison Sub-Branch Libr.)

15968 EMMERSON, D. Year - end review of the pulp and paper industry. Pulp and Paper Mag. Canada 47(1): 38-40. Jan. 1946. 302.8 P96

15969 FOWLER, R. W. Prospects of pulp and paper in the reconversion period. Pulp and Paper Mag. Canada 47(1): 35-37. Jan. 1946. 302.8 P96

15970 GRAFF, J. H. The Wilson stain for identification of papermaking fibers. Paper Indus. and Paper World 27: 1363. Dec. 1945. 302.8 P1923



15971 HALL, J. A. Pulpwood resources of the Pacific Coast. Paper Mill News 69(6): 21. Feb. 9, 1946. 302.8 P195

15972 MALCOLMSON, J. D. Fiber shipping containers in war and peace. Paper Indus. and Paper World 27: 1412, 1414. Dec. 1945. 302.8 P1923

15973 MELLER, A. The hot alkaline purification of cellulose, I. Paper-Maker and Brit. Paper Trade J. 90: TS43-TS52. Nov. 1945. 302.8 P1922

15974 MORGAN, J. D. Review of synthetic resins and plastics in relation to the paper making industry. World's Paper Trade Rev. 125: 169-170, 172. Jan. 18, 1946. 302.8 W89

15975 WAMPNER, H. L. Urea formaldehyde resins in wet strength papers. Pulp & Paper Indus. 20(1): 52, 54. Jan. 1946. 302.8 P11

#### Tanning Materials

15976 ENGLER. Schweizer fichten-gerbrinde. Schweiz. Z. f. Forstw. 96: 356-365. Dec. 1945. 99.8 Sch9

#### Veneers and Plywood

15977 BEATY, J. D. Production factors affecting the bonding of Douglas fir plywood with synthetic resin adhesives. West Coast Lumberman 73(1): 90-91. (To be cont.) Jan. 1946. 99.81 W52

15978 DIFORD, W. E. The prospects for Douglas fir plywood. Chemurg. Digest 5(1): 27-29. Jan. 15, 1946. 381 N213Na

15979 HEEBINK, B. G. Methods of gluing plywood curved shapes from veneer. South. Lumberman 172 (2156): 63-64. Feb. 1, 1946. 99.81 S682

15980 OTTINGER, L. Plywood demand exceeds productive capacity of industry. Wood Prod. 51(1): 26. Jan. 1946. 99.82 W856

15981 SEBORG, R. M., and FLEISCHER, H. O. Veneer and plywood manufacturing techniques and machinery observed in western Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt., No. 1335, 41 p., processed. Washington, 1945. 157.8 R29

#### Wood as Fuel

15982 DVN. Erfahrungen bei der verwendung von holz als generatorkraftstoff. Mehl und Brot 45: 26. Apr. 6, 1945. 389.8 M47

15983 PETITMERMET. Die lage der brennholz-versorgung zu beginn der heizperiode 1945/46. Schweiz. Z. f. Forstw. 96: 302-310. Nov. 1945. 99.8 Sch9

15984 SENGUPTA, B., and APTE, V. V. A mobile producer-gas plant using inferior grades of charcoal and wood-chips as fuel. J. Sci. and Indus. Res. 4: 301-309. Nov. 1945. 475 J82

15985 ZEHNDER, J. Über das einschneiden von brennholz mit wald- oder scheitersägen. Schweiz. Z. f. Forstw. 96: 171-176. July/Aug. 1945. 99.8 Sch9

#### MISCELLANEOUS

15986 BELTRÁN, P. P. Una asociación de diez millones de amigos del árbol. Vida Rural 7(76): 10-11. Nov. 1945. 9.4 V66

On the Asociación de Amigos del Arbol de Bogotá.

15987 BELTRÁN, P. P. El bosque como patrimonio escolar, del ejército y de la policía [Colombia]. Vida Rural 7(76): 32-34. Nov. 1945. 9.4 V66

15988 BRUCE, C. A. Future of lumber depends on research. Wood Prod. 51(1): 54. Jan. 1946. 99.82 W856

15989 LÓPEZ, G. L. El árbol es el amigo del hombre. Vida Rural 7(76): 5-6. Nov. 1945. 9.4 V66

15990 MANNING, S. A. Forestry as a career. Trees [Dorchester], 9: 88-90. Jan./Mar. 1946. 99.8 W52

15991 NIETO CABALLERO, L. E. Después de la reunión; el congreso forestal [Colombia]. Vida Rural 7(76): 3-4. Nov. 1945. 9.4 V66

15992 ROSIÈRES, P. H. La fabrique au sein de l'Union Corporative des Resineux. Bois et Resineux 28(1371): 1. Aug. 15, 1945. 99.82 B63

15993 SALAZAR, H. P. Congreso Forestal [Colombia]. Árboles 2: 364-365. Nov./Dec. 1945. 99.8 Ar16

15994 SENTUC, F. La Fédération des Gemmeurs et Metayers du Sud-Ouest et l'U. C. R. [Union Corporative des Resineux]. Bois et Resineux 28(1371): 1. Aug. 15, 1945. 99.82 B63

15995 VERHILLE, H. Le Syndicat des Sylviculteurs du S.-O. [France]. Bois et Resineux 28(1371): 1. Aug. 15, 1945. 99.82 B63

#### Education

15996 CONGRESO FORESTAL DE COLOMBIA. COMISIÓN DE EDUCACIÓN Y PROPAGANDA. Plan de educación forestal. Vida Rural 7(76): 35-37. Nov. 1945. 9.4 V66

15997 CUNDINAMARCA. DIRECCIÓN DE EDUCACIÓN. Bosques modelos. Vida Rural 7(76): 38. Nov. 1945. 9.4 V66

Urges the establishment of demonstration woodlands in Colombia.

#### Forest Influences

15998 FAIRBAIRN, W. A. Climatic and physical conditions in relation to forestry. Farm and Forest 6: 109-110. Apr./June 1945. 24 F226

Effect of forestry upon climate and soil.

15999 VIVALDI, S. A. Nuestros bosques y sus beneficios. Rev. de Agr., Indus. y Com. de Puerto Rico 36(1): 52-55. Jan./June 1945. 8 R325

#### Wildlife

16000 WARD, J. D. U. Costly pests of the forest. Field 186: 631-632. Dec. 15, 1945. 10 F45

Deer, rabbits, squirrels, and other rodents.

#### ANIMAL INDUSTRY

##### BREEDS AND BREEDING

16001 BEANISH, H. V. Too many mongrels. Country Life [London], 98: 916-917. Nov. 23, 1945. 80 C83

16002 BRUNES, R. Inseminación artificial. Rev. de Agr. [San José], 17: 579-584. Dec. 1945. 8 Esl

16003 CANADIAN NATIONAL LIVE STOCK RECORDS. Annual report of the Record Committee, 41st, 1945. 59 p. Ottawa, 1946. 49.9 C163

16004 GILL, L. Turn your thoughts to quality stock for greater profits. Mont. Farmer 33(10): 1, 14. Jan. 15, 1946. 6 M764

16005 KLUSSENDORF, D. E. The value of sires that work herd improvement. Wis. Country Mag. 39 (4): 6, 14. Jan. 1946. 276.8 St9

16006 MACHADO, A. DE O. Melhoramento do gado. Rev. Rural Bras. 25(303): 20-21. Nov. 1945. 9.2 B733

16007 MCLAURIN, V. Blood doesn't count in this barnyard. Mag. Digest 32(2): 36-40. Feb. 1946. 110 M27

Livestock breeding at Mount Hope Farm, in Massachusetts.

16008 FUEBLA, A. DE LA. Fecundación artificial del ganado. Rev. de Agr. [San José], 18: 17-18. Jan. 1946. 8 Esl

16009 RAPALLO ABAD, J. Normas para la seleccion del ganado. Surco [Madrid], 4(44): 22-23. Oct. 1945. 15 Su7

16010 REID, D. Animal breeding advances. Farmer & Stock-Breeder 59: 2097. Dec. 25, 1945. 10 F228



16011 VIEGA, J. S. Arma formidável para os pecuaristas; cooperativas de inseminação artificial. *Agr. e Pecuária* 16(268/269): 18-19. Aug./Sept. 1945. 9.2 Ag89

16012 WEIR, J. R. The application of genetics in livestock improvement. *Shorthorn News* 6(4): 23-24, 27. Dec. 1945. 43.8 Sh85

## FEEDS AND FEEDING

16013 ALMQUIST, H. J. High value of fish meal. *Flour & Feed* 46(8): 41. Jan. 1946. 298.8 F66

16014 ARCÉS, J. D'. L'amélioration du cheptel algérien et les syndicats d'élevage. *Rev. Agr. de l'Afrique du Nord* 43: 133-136, 139-142. (Concl.) June 22, 29, 1945. 80 R326

16015 BAILLARGE, E. Récolte et conservation des betteraves fourragères. *J. d'Agr. Suisse* 67(47): 2. Nov. 24, 1945. 17 J82

Ensiling, including type of silo needed.

16016 BARNICOAT, C. R. Estimation of apparent digestibility coefficients by means of an inert "reference-substance." *New Zeal. J. Sci. and Technol. Sect. A, Agr.* 27: 202-212. Aug. 1945. 415 N48A

16017 BENNETT, H. W., and others. Silage production and utilization. *Miss. Farm Res.* [Miss. Sta.] 8(11): 3-6, 7. Nov. 1945. 100 M69M1

R. H. Means, W. C. Cowser, O. A. Leonard, and M. Gieger, joint authors.

16018 BETTENCOURT, A. I. O bagaço da azeitona na alimentação do gado. *Rev. de Med. Vet. [Lisboa]* 40: 247-254. July/Sent. 1945. 41.8 R3215

16019 BIFFEN, W. Hay shortage is hitting many holdings...how and where economies can reasonably be made. *Smallholder* 74(1870): 19. Jan. 18, 1946. 10 Sml

Great Britain.

16020 BOHSTEDT, G. Frozen alfalfa as feed. *Hoard's Dairyman* 91: 57. Jan. 25, 1946. 44.8 H65

16021 BOHSTEDT, G. Salt saves feed. *Hoard's Dairyman* 91: 57. Jan. 25, 1946. 44.8 H65

16022 CANO, A., and GARCIA MATA, E. El trigo en la alimentación del ganado. *Campo [Buenos Aires]* 29 (349): 22-23, 50. Nov. 1945. 9 C15

16023 COLON, E. D. Prácticas de ensilamiento en Puerto Rico. *Rev. del Café* 1(3): 8. Aug. 1945. 8 R3295

16024 CULBERTSON, R. E., and CARVALINO JACOME, L. J. Prácticas de la henificación. *Panama. Min. de Agr. y Com. Rev. de Agr. y Com.* 5(51): 23-26. Nov. 1945. 8 R3291

Drying and nutrient losses.

16025 CUNNINGHAM, L. C. Feed supplies and livestock needs. *Flour & Feed* 46(8): 13-14. Jan. 1946. 298.8 F66

16026 DAVIS, G. K. Livestock need minerals. *South. Agr.* 76(2): 23. Feb. 1946. 6 So83

16027 DECKER, J. S. As vitaminas sua importancia na alimentação dos animais domesticos. *São Paulo. Sec. da Agr., Indús. e Com. B. de Agr. (ser. 44)* 1943: 314-331. 1945. 9.2 Sa63

16028 CALLUP, W. D. The utilization of simple compounds of nitrogen by ruminants. *Okl. Acad. Sci. Proc.* (1944) 25: 54-55. 1945. 500 Ok42

16029 GAYAN S., C. Métodos de administrar el yodo. *Agrario* 10(368): 16. Sept. 1945. 9.3 Ag85

16030 GORTNER, W. A. Effect of fat deterioration on quality of feeds. (Extr.) *Feedstuffs* 18(1): 12. Jan. 5, 1946. 286.81 F322

16031 HELT, D. L. When feed runs low--consider potatoes. *West. Farm Life* 48(4): 5, 17. Feb. 15, 1946. 6 R153

16032 HERNER, M. C. The animal body and its food. *Canad. Grain J.* 1(3): 12. Oct. 1945. 59.8 C16

16033 HERNER, M. C. Calcium and phosphorus requirements for livestock. *Canad. Grain J.* 1(6): 13. Jan. 1946. 59.8 C16

16034 HOOPER, J. A. The wool market situation. *Utah Farmer* 65(12): 12. Feb. 10, 1946. 6 D45

Proposed reduction of livestock for grazing on National forests in Utah.

16035 HUNTER, J. E., and PECK, L. Dehydrated alfalfa meal, one of nature's contributions to better feeding. *Feedstuffs* 18(2): 12-13. Jan. 12, 1946. 286.81 F322

16036 JAVIER SIECOLA, J. Conservación de granos en silos. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 433. Nov. 15, 1945. 9.9 G15B

16037 KUBES, V. Aplicación y dosificación de la sal común en los animales domesticos. *Agr. Venezol.* 10(111): 30-33. July/Nov. 1945. 9.95 Ag8

16038 MORRISON, F. B. Protein supplements [in livestock feeds]. *Flour & Feed* 46(8): 13. Jan. 1946. 298.8 F66

16039 PROULX, J. R. Le mélange des engrais alimentaires. *Terre de Chez Nous* 18(18, i. e. 17): 6, 12. Jan. 30, 1946. 7 T27

16040 SANCHEZ, E. S. Ganaderia ejidal. *Mex. Dir. Gen. de Ganad. B. Mens.* 16(9): 4-5, processed. July 1945. 41.9 M57

16041 STEENBERGH, D. K. Protein meal problem. *Flour & Feed* 46(8): 50. Jan. 1946. 298.8 F66

16042 VALDIVIA MUÑOZ, V. La carotina en relación con el color verde. *Agrario* 10(369): 28. Oct. 15, 1945. 9.3 Ag85

Effect on nutritive value.

16043 VAN RENSBURG, J. A. Three ways to economize in stock-feed. *Farmer's Weekly [Bloemfontein]* 70: 723. Nov. 28, 1945. 24 F225

16044 VILLARES, J. B. O sal na alimentação dos animais. *Rev. Rural Bras.* 25(302): 34-35. Oct. 1945. 9.2 B733

16045 YACKULIC, G. A. Important livestock feeding industry established in sugar beet areas; southern Alberta farmers find use for by-products. *Canad. Grain J.* 1(3): 13. Oct. 1945. 59.8 C16

## VETERINARY MEDICINE

16046 ANASTASIA, P. El problema de la aftosa. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 439. Nov. 22, 1945. 9.9 G15B

16047 ANTIPIN, D. N. Akademik Konstantin Ivanovich Skrifabin. *Veterinarifa* 22(6): 3-4. June 1945. 41.8 V6426

Review of his scientific activities for 40 years, and of his contributions to helminthology.

16048 BARRY, W. C. Quarantine; its role in prevention and control of animal diseases. *New Zeal. J. Agr.* 71: 395, 397-402. Oct. 1945. 23 N48J

16049 BYERS, Z. H. Brucellosis; important disease. *Chester White J.* 36(1): 16-17. Jan. 1946. 46.8 W582.

Recommendations for control.

16050 BRICENO-IRAGORRY, L. Nota sobre Brucella melitensis. *Rev. de Sanid. y Asistencia Social* 10: 319-321. Apr. 1945. 449.9 V55

16051 BRICENO-IRAGORRY, L., and GONZÁLEZ, C. L. Notas sobre salmonelosis. *Rev. de Sanid. y Asistencia Social* 10: 323-324. Apr. 1945. 449.9 V55

A human infection caused by Salmonella dublin.

16052 CHEROTAREV, R. S., ARKHIPOV, V. V., and KOLOSKOVA, V. R. Ispytanie fenotiazina v bor'bu s parazitarnymi boleznyami zhivotnykh [Testing phenothiazine in the control of parasitic diseases of livestock]. *Veterinarifa* 22(6): 14-17. June 1945. 41.8 V6426

16053 CLAVIJO PERALTA, M. Cómo se han de practicar las autopsias. *Rev. Nac. de Agr. [Bogotá]* 59 (492): 31-32, 34-36. Sept./Oct. 1945. 9.4 R32

16054 COLLINS, F. D., and GRIMMETT, R. E. R. Electrodialysis of plant extracts for the removal of salts. *New Zeal. J. Sci. and Technol. Sect. A, Agr.* 27: 198-201. Aug. 1945. 514 N48A

In connection with animal feeding experiments to determine presence of facial eczema toxin.



- 16055 CORTI MADERNA, C. A. La brucelosis en la Republica Argentina. Rev. Zootéc. [Buenos Aires] 32(254): 17. June 1945. 9 R323
- 16056 DADOT. Avortement dans l'espèce animale. Rev. de Path. Compar. 45(557/558): 57-75. Jan./Feb. 1945. 448.8 R326
- 16057 DOBROKHOTOV, A. M. XXIII plenum veterinarnoi sekti i Vsesoiuznoi Akademii Sel'skokhoziaistvennykh Nauk imeni V. I. Lenina [23d plenary session of the Veterinary Section of the Lenin All-Union Agricultural Academy of Sciences. Veterinariia 22(4/5): 44-46. Apr./May 1945. 41.8 V6426
- 16058 EFIMOV, P. D. Lechebnaiâ pomoshch' zhivotnym v Udomei'skom raione, Kalininskoi oblasti [Veterinary aid in the Udomei'sk district of the Kalinin region]. Veterinariia 22(6): 7-8. June 1945. 41.8 V6426
- 16059 FARQUHARSON, J. Anesthesia. (Abs.) Vet. Med. 41: 47. Feb. 1946. 41.8 M69
- 16060 FERRARI, A. Tratamento do tétano humano e dos animais domésticos. A vacina anti-tetânica e seu valor na última guerra. Brasil-Med. 59: 350-352. Oct. 6/13, 1945. 448.8 B73
- 16061 FRICKERS, J., HAASJES, C. H., and HOSKINS, H. P. On veterinary science and practice in the Netherlands Indies. In Honig, P., and Verdoorn, F., eds. Science and scientists in the Netherlands Indies, p. 123-126. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75
- 16062 GOLD COAST COLONY. DEPT. OF ANIMAL HEALTH. Report, 1944/45, 6 p. Accra, 1945. 41.9 G562
- 16063 GOLIKOV, A. N. Nekotorye voprosy chastnoi khirurgii [Some questions on sectional surgery]. Veterinariia 22(4/5): 37-38. Apr./May 1945. 41.8 V6426
- 16064 GURY DOHMEN, E. Importancia del botiquín en todo establecimiento ganadero. Rev. Ganad. [Habana] 5(9/10): 57-60. Sept./Oct. 1945. 49 R321
- 16065 HOMAN, D. International veterinary congresses. Vet. J. 102(1): 12-20. Jan. 1946. 41.8 V643
- 16066 JUDICE, A. A investigação científica e o ensino. Rev. de Med. Vet. [Lisboa] 40: 403-406. Oct./Dec. 1945. 41.8 R3215
- 16067 KHAMBATA, F. S. Animal parasitism. Indian Vet. J. 22: 154-165. Nov. 1945. Ref. 41.8 In2
- 16068 KOPYLOV, N., and GINSBURG, N. Itogi primeneniia protivosibirskoi vaktsiny "STI" (1941-1944 gody) [Results of the utilization of vaccine "STI" against malignant anthrax during the years of 1941-1944]. Veterinariia 22(6): 12. June 1945. 41.8 V6426
- 16069 KUTZ, H. G. How [veterinary] science serves. Pa. Farmer 134: 61, 68. Jan. 26, 1946. 5 P383
- 16070 LACROIX, J. V., HAGAN, W. A., and HASTINGS, C. C. Why an AVMA research fund. Vet. Med. 41: 48-49. Feb. 1946. 41.8 M69
- Statement of a special committee of the American Veterinary Medical Association on financing research.
- 16071 LAKTINOV, A. Soviet veterinary science in wartime. Agr. Com. Amer.-Soviet Friendship. Release 59, 3 p. Lima, Ohio, 1946. 20 Ag89
- 16072 LERENA, E. A. El arsénico en los eczemas. Rev. Zootéc. [Buenos Aires] 32(254): 12-14. June 1945. 9 R323
- 16073 LERENA, E. A. El problema de la fiebre aftosa. Rev. Zootéc. [Buenos Aires] 32(254): 18-20. June 1945. 9 R323
- 16074 LLARENA, S. DE. Conservación del ganado; vacunación. Agr. Levantino 11(133): 7-9. Dec. 1945. 15 Ag85
- 16075 MCCONNELL, W. C. Prolapse of the vagina. North Amer. Vet. 27: 92. Feb. 1946. 41.8 N812
- 16076 MAKOGONCHUK, P. A. Lechenie ran streptostafilokokkovym bakteriofagom [Treatment of wounds with strepto-staphylococcal bacteriophage]. Veterinariia 22(4/5): 42. Apr./May 1945. 41.8 V6426
- 16077 MATHESON, D. C. Observations on neoplasms of the tegumentary system of the domesticated animals. Indian Vet. J. 22: 149-154. Nov. 1945. 41.8 In2
- 16078 MAYER, K. Lentin in veterinary medicine; a review. North Amer. Vet. 27: 81-89. (To be cont.) Feb. 1946. 41.8 N812
- 16079 MAYO, N. S. Reminiscences. IX. Vet. Med. 41: 68-69. Feb. 1946. 41.8 M69
- Nelson S. Mayo's recollections of his veterinary practice and veterinarians he has known.
- 16080 MELLO, M. J. DE, and SOBRINHO, R. C. Principais cestóides do homem e dos animais domésticos. Biológico 11: 279-294. Nov. 1945. 442.8 B529
- 16081 MIRABELLI, H. J. Brucellosis. Rev. Zootéc. [Buenos Aires] 32(254): 8-11. June 1945. 9 R323
- 16082 MIRABELLI, H. J. Carbunclo. Campo [Buenos Aires] 29(349): 20-21, 23, 50. Nov. 1945. 9 C15
- 16083 MONTEIRO, M. L. Da necessidade de um novo e mais amplo regulamento geral de saúde pecuária. Rev. de Med. Vet. [Lisboa] 40: 444-450. Oct./Dec. 1945. 41.8 R3215
- Portugal.
- 16084 MOREJON, L. F. Ascaris lumbricoides. Rincón Campesino 6(60): 22-27. Nov. 1945. 8 R47
- 16085 MUCCILOLO, P. Acabamos de ver: 3º Congresso Brasileiro de Veterinária. Rev. dos Criadores 16(11): 20-21. Nov. 1945. 43.8 R32
- 16086 NEWTON, H. F. Treatment of interdigital phlegmon ("foul claw") with sulfasuridine and sulfathiazine. Amer. Vet. Med. Assoc. J. 108: 92-93. Feb. 1946. 41.8 Am3
- 16087 NICOL, G. Phenothiazine for worm treatment in sheep, cattle and horses. Victoria. Dept. Agr. J. 43: 510-511. Dec. 1945. 23 V665
- 16088 NIGERIA. VETERINARY DEPT. Annual report for the year 1943, 25 p. Lagos, 1945. (Sessional Paper No. 18, 1945) 41.9 N56
- 16089 P., R. Theories on the control of sex [in animals]. Farmers' Gaz. [Dublin] 103, i. e. 104: 748. Dec. 15, 1945. 10 F221
- 16090 PARNAS, J. Program organizacyjny i zadania "Państwowego Instytutu Weterynaryjnego" w Puławach (Le programme organisationnel P. I. W. a Puławy). Med. Wet. 1: 85-88. July/Aug. 1945. 41.8 M463
- 16091 PIERCY, P. L., and RUSOFF, L. L. Crotalaria spectabilis poisoning in Louisiana livestock. Amer. Vet. Med. Assoc. J. 108: 69-73. Feb. 1946. Ref. 41.8 Am3
- Cattle, poultry, and rabbits poisoned.
- 16092 POLITEV, V. I., and KARKADINOVSKAYA, I. A. Zhiznesposobnost' brutsell v vode [Viability of brucella in water]. Veterinariia 22(4/5): 39-40. Apr./May 1945. 41.8 V6426
- 16093 POTRISA, G. E. Un peu de parasitologie. Guadeloupe. Serv. de l'Agr. Rev. Agr. (n. s.) 2: 181-185. (To be cont.) Nov. 1945. 8 R327
- 16094 RAO, M. M. Retained placenta - use of sulfanilamide in cases of. Indian Vet. J. 22: 202. Nov. 1945. 41.8 In2
- 16095 SCHAFFLE, K. Brucellosis, Bang's disease, Malta fever, or undulant fever. Farmers Fed. News 26(5): 8. Jan. 1946. 280.28 F225
- The disease as it affects livestock and man.
- 16096 SHCHEPETOV, F. N. Sravnitel'naiâ ofsenka lechnykh i profilakticheskikh svoistv protivostolbnichnoi i protivogangrenoznykh syvorotok pouchenykh ot krupnogo rogatogo skota i loshadei (Comparative evaluation of the medicinal and prophylactic properties of the antitetanic and antigangrenous sera obtained from cattle and horses). Zhur. Mikrobiol. Epidemiol. i Immunobiol., No. 7/8, p. 29-31. 1945. 448.3 Z4



16097 SHEA, R. A. A veterinarian's experiences on the roof of the world. *Vet. Med.* 41: 58-61. Feb. 1946. 41.8 M69

With the U. S. Army in Tibet.

16098 SIMMONS, H. C. Biennial report of the Mississippi State Livestock Sanitary Board, July 1, 1943/June 30, 1945, 15 p. Jackson, 1945. 41.9 M69

16099 TENDEIRO, J. Hemoparasitas da Guiné Portuguesa (nota prévia). *Rev. de Med. Vet. [Lisboa]* 40: 396-402. Oct./Dec. 1945. 41.8 R3215  
Trypanosomiasis, piroplasmosis, and rickettsial diseases of animals.

16100 TENDEIRO, J. O regulamento geral de saúde pecuária e o decreto-lei n.º 32.171. *Rev. de Med. Vet. [Lisboa]* 40: 406-413. Oct./Dec. 1945. 41.8 R3215

16101 TSEKHANOVSKIY, A. M. Bor'ba s epizootifami v Spasskom raione, Riazanskoi oblasti [Control of epizootics in the Spasskiy district of Riazan region]. *Veterinariya* 22(6): 5-6. June 1945. 41.8 V6426

16102 TROPA, E. Sur la valeur antigénique des vaccins antirabiques chloroformés homologues. *Rev. de Med. Vet. [Lisboa]* 40: 385-391. Oct./Dec. 1945. 41.8 R3215

16103 VIRARAGHAVAN, D. Veterinary propaganda. *Indian Vet. J.* 22: 183-185. Nov. 1945. 41.8 In2

16104 VUILLAUME, R., and BLETHON, J. Toxicité des hydrocarbures chlorés par la présence de phosphore. *Acad. Vét. de France B.* 18: 214-218. July 1945. 41.9 R24

16105 ZAIANCHKOVSKIY, I. F. Lechenie timpanii molokom [Milk treatment of tympany]. *Veterinariya* 22(4/5): 43. Apr./May 1945. 41.8 V6426  
In cattle.

#### MISCELLANEOUS

16106 BLANCHET, J. Au sujet des soins à donner aux animaux. *Terre de Chez Nous* 18(13): 9. Jan. 2, 1946. 7 T27

16107 CUELLO FREYRE, J. A. La llama, preponderante factor económico y social de la América indígena. *Chacra* 16(182): 74-75. Dec. 1945. 9 C34

16108 CULLEY, J. A peacetime stock show. *West. Livestock J.* 24(12): 43, 90, 92, 94. Jan. 1946. 6 F2278

16109 HERNANDEZ, C. Problemas zootecnicos de la ganadería nacional. *Cuba. Min. de Agr. Rev.* 28(4): 68-71. Oct./Dec. 1945. 8 Ag88Re

16110 KING, F. M. Old brands of Big Horn Basin, Wyoming. *West. Livestock J.* 24(12): 120-123. (To be cont.) Jan. 1946. 6 F2278

16111 QUINTERO, A. Ganadería; el huerto familiar. *Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural* 2(12): 6, 14. Mar. 1945. 15 Spl2

16112 ROSS, I. C. Science and the livestock industry; training veterinarians; practical animal husbandry. *Country Life [Sydney]* 57(23, Ed. Sup.): 9. Dec. 7, 1945. 286.85 Sy2

#### CATTLE

##### Breeds and Breeding

16113 ARBOUR, M. B. The National Brahman Show emphasizes importance of these cattle to coastal area [Louisiana]. *Coastal Cattleman* 11(12): 31, 34. Feb. 1946. 43.8 C463

16114 ARMSTRONG, J. T. Dairy cattle breed societies; their functions and performance. *Tasmanian J. Agr.* 16(1): 5-8. Feb. 1, 1945. 23 T182T

16115 BATTLES, O. V. Aberdeen-Angus families. *West. Livestock J.* 24(12): 109-110. Jan. 1946. 6 F2278

16116 BENNETT, C. F. The expanding Brahman cattle kingdom. *Brahman Breeder-Feeder* 12(1): 31-32. Jan. 1946. 43.8 B73

16117 BORSOTTI, J. Inseminación artificial de bovinos a larga distancia. *Agr. Venezol.* 10(111): 34-36. July/Nov. 1945. 9.95 Ag8

16118 BREE, R. Procedure on Jersey. *Jersey B.* 65: 166, 200-203. Feb. 10, 1946. 43.8 J48  
Present cow population of Jersey, etc.

16119 BREE, R. What I saw on Jersey Island; the shows, visited herds and was encouraged despite grim fortifications left by Nazis in their occupation. *Jersey B.* 65(1): 16-17, 22, 24. Jan. 10, 1946. 43.8 J48

16120 BROWNELL, S. J. Artificial breeding in New York State. *Hoard's Dairyman* 91: 53, 72. Jan. 25, 1946. 44.8 H65

16121 BRUNTINGTON, E. V. Improvement in Milking Shorthorns. *Milking Shorthorn J.* 27(1): 50-51. Jan. 1946. 43.8 M59

16122 BUSHNELL, H. H. Genesis of a Guernsey herd. *West. Dairy J.* 2(4): 28, 30, 32. Feb. 1946. 44.8 W524

16123 CANDE, D. H. Clear the way for Milking Shorthorns. *Milking Shorthorn J.* 27(1): 24-25. Jan. 1946. 43.8 M59

16124 COBB, W. F. Brahman cattle in the South. *South. Agr.* 76(2): 11, 38. Feb. 1946. 6 So83

16125 COPELAND, L. Artificial insemination. *Cowculator* 3(14): 4. Dec. 1945. 44.8 C832

16126 CORNER, H. How to buy a dairy bull. *Farmer & Stock-Breeder* 60: 78-79. Jan. 8, 1946. 10 F228

16127 CORNER, H. Secrets of a Jersey breeder. *Farmer & Stock-Breeder* 60(2934): 29. Jan. 1, 1946. 10 F228

16128 DAY, G. E. The colour line. *Shorthorn News* 6(4): 18-19. Dec. 1945. 43.8 Sh85

16129 DICKERSON, J. H. Kirklevington today. *Milking Shorthorn J.* 27(1): 3-4. Jan. 1946. 43.8 M59

Where Thomas Bates developed the Shorthorn breed.

16130 DONAHOE, S. A. Extol merit of breed; show prospective new breeders the many attractive Shorthorn virtues. *Shorthorn World* 30(20): 5, 39. Jan. 25, 1946. 43.8 Sh8

16131 DUCK, R. W. Selecting and crossbreeding beef cattle. *Rural New-Yorker* 105: 139, 154. Feb. 16, 1946. 6 R88

16132 DUGDALE, B. R. The Swiss of Spring Valley Farm. *Hoard's Dairyman* 91: 59. Jan. 25, 1946. 44.8 H65

16133 ELLIOTT, F. I. Studies on some problems related to the successful artificial insemination of dairy cattle. *Cornell U. Abs. Theses* 1944: 212-215. 1945. 241.8 C81

16134 EMDE, G. Guernseys expand service and activities in the West. *West. Dairy J.* 2(4): 24-25, 27. Feb. 1946. 44.8 W524

16135 EWING, J. T. Raises cows--cans fruit; food processor finds plenty of time to develop his noted herd of Guernseys. *Family Herald and Weekly Star* 77(2): 7. Jan. 9, 1946. 7 F21

16136 FAULTS and problems in stud beef cattle raising. By "Currawong." *Past. Rev.* 55: 933. Dec. 15, 1945. 23 Au75

16137 FENN, F. A Michigan foursome; Crapo, Hi-Point, Jensen and Meadow Brook Farms hold the Hereford standard high in the Wolverine State. *Amer. Hereford J.* 36(19): 36-38, 40, 42, 44, 46, 48. Feb. 1, 1946. 43.8 Am32

16138 FLEMING, A. A. Selecting the [dairy] herd sire. *Ala. Farmer* 14, 1. e. 24(2): 11-12. Jan. 1946. 276.8 All

16139 FORBES, R. C. Roan is a good color. *Breeder's Gaz.* 111(2): 16, 40-41. Feb. 1946. 49 B74

Shorthorn cattle.

16140 GIBSON, J. Shorthorns lead in double production. *Shorthorn News* 6(4): 32, 34. Dec. 1945. 43.8 Sh85



- 16141 GRACEY, R. E. Confidence. Milking Shorthorn J. 27(1): 41. Jan. 1946. 43.8 M59
- 16142 HAMILTON, L. H. What kind of Shorthorn? Shorthorn News 6(4): 28, 30. Dec. 1945. 43.8 Sh85
- 16143 HARDY, W. J. Milking Shorthorns rapid gain shown by increase in registrations during '45. Tex. Livestock J. 5(1): 94-95. Jan. 15, 1946. 49 T229
- 16144 HOEKZEMA, J. P. Selection and distribution of dairy herd sires. Farmers Guide 102(2): 20. Jan. 15, 1946. 6 In2
- 16145 HOLLAND, J. R. Prepare for the future. Milking Shorthorn J. 27(1): 8. Jan. 1946. 43.8 M59
- About the American Shorthorn Breeders' Association.
- 16146 JACOBS, W. S. Ways of gentling Brahman cattle. Brahman Breeder-Feeder 12(1): 5-7. Jan. 1946. 43.8 B73
- 16147 JUNQUEIRA, P. B. A técnica da inseminação artificial em bovinos na Argentina. Rev. de Agr. Piracicaba, 20: 395-402. Sept./Dec. 1945. 9.2 R324
- 16148 KEIM, J. F. In the homeland of Brown Swiss Cattle. Pa. Farmer 134: 77, 103. Feb. 9, 1946. 6 P383
- 16149 KLINEFELTER, H. E. The M. F. A.'s Missouri Farmers Association, new artificial dairy cattle, breeding program. Mo. Farmer 38(1): 3, 7. Jan. 15, 1946. 6 M696
- 16150 LUSH, J. L. Brahman cattle, 1920-1929. Brahman Breeder-Feeder 12(1): 96, 98, 100. Jan. 1946. 43.8 B73
- 16151 MARTINDALE, R. Starting in the cattle business. Shorthorn News 6(4): 50, 59. Dec. 1945. 43.8 Sh85
- Dual purpose Shorthorn.
- 16152 MASSEY AGRICULTURAL COLLEGE, NEW ZEALAND. The value of using proven sires - New Zealand experience. Gt. Brit. Min. Agr. Agriculture 52: 441-442. Jan. 1946. 10 G79J
- 16153 MENEZES, D. G. DE. The Brahman cattle in Brazil. Brahman Breeder-Feeder 12(1): 67-73. Jan. 1946. 43.8 B73
- Editorial comment by E. C. Stone, p. 73-80.
- 16154 MILLER, J. C. Increase the breeding efficiency of your beef cow herd. Stockman 6(2): 48, 50-52. Feb. 1946. 49 So83
- 16155 NISBET, J. C. "Less cows to feed - more cows to milk" is primary aim of Jersey breeders. Tex. Livestock J. 5(1): 90-92. Jan. 15, 1946. 49 T229
- 16156 RAMSAY, R. D. Which way are we going? Shorthorn News 6(4): 36-37. Dec. 1945. 43.8 Sh85
- 16157 RICKARD, J. A. The largest Jersey farm. Farm and Ranch 65(1): 10, 12. Jan. 1946. 6 T31
- 16158 RIVERA, M. A. La raza Jersey. Agr. Venezol. 10(111): 6-8. July/Nov. 1945. 9.95 Ag8
- 16159 ROBERTS, B. Hot weather Guernseys. West. Dairy J. 2(4): 15, 36-37. Feb. 1946. 44.8 W524
- 16160 ROE, J. Red Danes, a new dairy breed. Successful Farming 44(2): 23, 134-137. Feb. 1946. 6 Sul2
- 16161 SANDERS, A. H. History of Aberdeen-Angus. Chapter V. Aberdeen-Angus J. 27(5): 27, 43; (6): 68. 71B-D, 72, 77A-D, 78, 80, 82-84, 86, 88-91, 93. Dec. 1945, Jan. 1946. 43.8 Ab3
- May appear as a book when conditions permit.
- 16162 SANTIAGO MEJÍA. El ganado romo-sinuano: un producto de Colombia. Agr. Trop. 1(11): 19-22. (Cont.) Dec. 15, 1945. 26 Ag8
- Beef cattle.
- 16163 SEATH, D. M. Better dairy sires build better herds. Prog. Farmer, Miss.-Ark.-La. Ed. 61 (2): 24. Feb. 1946. 6 So81
- 16164 SHAW, A. O. How to select the best dairy bull. Prog. Farmer, Car.-Va. Ed. 61(2): 16. Feb. 1946. 6 P945
- 16165 SIMPSON, W. A. Cross roads and cross currents. Milking Shorthorn J. 27(1): 12. Jan. 1946. 43.8 M59
- As related to the Milking Shorthorn.
- 16166 SMITH, S. A grand cow. Milking Shorthorn J. 27(1): 40. Jan. 1946. 43.8 M59
- Almost twenty years old.
- 16167 STERILITY in cattle. North. Ireland. Min. Agr. Monthly Rpt. 20: 269-271. Jan. 1946. 256.13 Ag82M
- 16168 TAYLOR, B. R. Yesterday and today Herefords lead the way. Tex. Livestock J. 5(1): 29, 32. Jan. 15, 1946. 49 T229
- 16169 TOMEU. Brahman cattle in Cuba. Brahman Breeder-Feeder 12(1): 81-85. Jan. 1946. 43.8 B73
- Editorial comment, p. 85-87.
- 16170 TOMHAVE, W. H. Many new all-time records set by Angus breeders during past year. Tex. Livestock J. 5(1): 13. Jan. 15, 1946. 49 T229
- 16171 TOMSON, C. K. Foundation for a future. Shorthorn News 6(4): 26-27. Dec. 1945. 43.8 Sh85
- 16172 TRIMBERGER, G. W. Can artificial breeding match natural service? Successful Farming 44(2): 52, 54-55, 73. Feb. 1946. 6 Sul2
- Dairy cattle.
- 16173 TYNER, C. "As we think, so we build the breed." Milking Shorthorn J. 27(1): 30. Jan. 1946. 43.8 M59
- The dual purpose Shorthorn.
- Feeds and Feeding
- 16174 ALISON, W. H. Cows like figs. Calif. Cult. 93: 85. Feb. 2, 1946. 6 Cl2
- 16175 BAILEY, W. H. Adequate feeding could increase milk production by 30 per cent., says expert. Farmer and Settler 40, i.e. 39(42): 7. Nov. 16, 1945. 23 F226
- 16176 BATE, W., ESPE, D., and CANNON, C. Y. Influence of homogenization of fat on haircoat of dairy calves. J. Dairy Sci. 29(1): 41-43. Jan. 1946. 44.8 J822
- 16177 DUCK, R. W. Vitamin needs of dairy calves. Rural New-Yorker 105: 108-109. Feb. 2, 1946. 6 R88
- 16178 EBERLE, H. F. Scientific feeding of beef cattle. Country Life [Sydney] 57(23): 13. Dec. 7, 1945. 286.85 Sy2
- 16179 HELLSBUSCH, C. E. Bert Bonnell uses goats to nurse registered calves. West. Farm Life 48(2): 24-25. Jan. 15, 1946. 6 R153
- 16180 KAESER, H. E., and SUTTON, T. S. Don't waste colostrum. Pa. Holstein 5(4): 11. Jan. 1946. 43.8 P38
- Value in calf feeding.
- 16181 KASIUK. From our experience in pasturing cattle. (In Hebrew.) Hassadeh 26: 99-100. Nov./Dec. 1945. 26 H27
- 16182 KREMER, H. A. Cobalt deficiency in dairy animals. (Extr.) Feedstuffs 18(2): 18, 20. Jan. 12, 1946. 286.81 F322
- 16183 KELLY, J. T. Feeding for milk production. Victoria. Dept. Agr. J. 43: 465-466. Nov. 1945. 23 V66J
- 16184 KELLY, J. T. Feeding the dairy cow. Victoria. Dept. Agr. J. 43: 509-510. Dec. 1945. 23 V66S
- 16185 KETCHAM, D. R. Feeding cattle on permanent pasture. Calif. Cult. 93: 88-89. Feb. 2, 1946. 6 Cl2
- 16186 LOOSLI, J. K. Effect of fat level in dairy feeds. Flour & Feed 46(8): 12. Jan. 1946. 298.2 F66
- 16187 MEDLOCK, O. C. Sericea cuts the feed bill for cattle. South. Agr. 76(2): 43. Feb. 1946. 6 So83
- 16188 MONROE, C. F. Concentrates in the dairy ration. Flour & Feed 46(8): 26-27. Jan. 1946. 298.8 F66



- 16189 MONROE, C. F. Feed concentrates; their place in the dairy ration. *Feedstuffs* 18(6): 42-45. Feb. 9, 1946. 286.81 F322
- 16190 NORTON, C. L. Effect of abrupt change in concentrate mixtures for dairy feed. *Flour & Feed* 46(9): 28. Feb. 1946. 298.8 F66
- 16191 NORTON, C. L. The value of ground whole grains versus by-product feeds and the value of various amounts of corn gluten feed in concentrate mixtures for dairy cows. *Cornell U. Abs. Theses* 1944: 216-218. 1945. 241.8 C81
- From the point of view of milk production.
- 16192 SACKVILLE, J. P. Capitalizing on grass and hay in beef production. *Shorthorn News* 6(4): 42-43, 49. Dec. 1945. 43.8 Sh85
- 16193 SAVAGE, D. A. More beef from range grasses. *Country Gent.* 116(2): 22, 66. Feb. 1946. 6 C833
- 16194 SEATH, D. M. Dairy pasture de luxe. *South. Agr.* 76(2): 39. Feb. 1946. 6 So83
- 16195 SIMONSEN, W. E. Soybean oil meal for beef cattle. *Farmers Guide* 102(2): 14. Jan. 15, 1946. 6 In2
- 16196 SMITH, H. H. Feeding 4-H calf; you become a good feeder only through experience. *Shorthorn World* 30(20): 12-13. Jan. 25, 1946. 43.8 Sh8
- 16197 SPIELMAN, A. A. Do [dairy] calves need vitamin supplements? (Extr.) *Feedstuffs* 18(1): 38-40. Jan. 5, 1946. 286.81 F322
- 16198 STECKLEY, J. C. Economical beef production. *Shorthorn News* 6(4): 58-59. Dec. 1945. 43.8 Sh85
- Feeding.
- 16199 SUTTON, T. S., and KAESER, H. E. Some physiological effects of extending the colostrum feeding period of dairy calves. *J. Dairy Sci.* 29(1): 13-26. Jan. 1946. Ref. 44.8 J822
- 16200 TILLSON, E. H. Feeding experiment on calves -- beef cows that give milk. *Milking Shorthorn J.* 27(1): 58-59. Jan. 1946. 43.8 M59
- 16201 TURK, K. L. Grain mixtures for cattle; how much is needed? *Flour & Feed* 46(9): 42. Feb. 1946. 298.8 F66
- 16202 TURK, K. L. Protein needs in grain mixtures for dairy cattle. (Extr.) *Feedstuffs* 18(2): 26-27. Jan. 12, 1946. 286.81 F322
- 16203 WATT, L. C. Grass and Shorthorns. *Shorthorn World* 30(18): 84-85. Dec. 25, 1945. 43.8 Sh8
- 16204 WELCH, H. Phosphates for cattle. *Mont. Farmer* 33(10): 22-23. Jan. 15, 1946. 6 M764
- 16205 WILSON, L. T. Bospro, a vitamin supplement for cattle. *Milk Prod.* 11(1): 5. Feb. 1946. 44.8 M5993

#### Veterinary Medicine

- 16206 ACOSTA, L. Breve comunicacion sobre tres casos de carbunclo sintomatico en bovinos adultos tratados con acido fenico. *Rev. de Med. Vet. [Buenos Aires]* 27: 148-149. Mar./Apr. 1945. 41.8 B86
- 16207 APPLETON, W. Traumatic splenitis in a dairy cow. *Vet. Med.* 41: 73. Feb. 1946. 41.8 M69
- 16208 BHUYAN, P. C. M. & B. 693 (dagenan [i. e. sulfapyridine]) in rinderpest. *Indian Vet. J.* 22: 196-197. Nov. 1945. 41.8 In2
- 16209 BIBENS, D. H. Is ocular epithelioma of cattle related to vitamin A deficiency? *Amer. Vet. Med. Assoc. J.* 108: 105. Feb. 1946. 41.8 Am3
- 16210 BRYAN, C. S. Penicillin and mastitis control. *Milk Plant Monthly* 35(2): 27-28, 65. Feb. 1946. 44.8 C864
- 16211 BUDDLE, M. B. Calfhood vaccination recommended; contagious abortion losses significantly reduced. *New Zeal. J. Agr.* 71: 337-338. Oct. 1945. 23 N48J
- 16212 BURSON, W. M. Traumatic pericarditis. *Vet. Med.* 41: 75. Feb. 1946. 41.8 M69
- In cattle.
- 16213 CHAPRON, H. Tuberculose de l'atlas chez une vache. *Rev. de Path. Compar.* 45(557/558): 45-47. Jan./Feb. 1945. 448.8 R326
- 16214 CHOWDHURY, A. R. K. Haemorrhagic septicaemia or madar poisoning? *Indian Vet. J.* 22: 197-199. Nov. 1945. 41.8 In2
- Malicious poisoning of cattle stimulates disease.
- 16215 COBALT deficiency [in cattle]. *Amer. Vet. Med. Assoc. J.* 108: 104-105. Feb. 1946. 41.8 Am3
- 16216 CRUZ MANJARRÉZ, C. Datos sobre incidencia de brucelosis en el ganado lechero del D. F. Mex. *Dir. Gen. de Ganad. B. Mens.* 16(5): 1-4, processed. May 1945. 41.9 M57
- 16217 CRUZ MANJARRÉZ, C. Nuevos datos sobre brucelosis bovina en el ganado lechero del Distrito Federal. Mex. *Dir. Gen. de Ganad. B. Mens.* 16(7): 1-3, processed. July 1945. 41.9 M57
- 16218 CULLOP, R. H. Penicillin in the treatment of blackleg [in calves]. *North Amer. Vet.* 27: 90-92. Feb. 1946. 41.8 NE12
- 16219 DANIELS, E. A. Sara had a baby. *New England Homestead* 119(3): 10-11. Feb. 9, 1946. 6 N442
- Describes a calving.
- 16220 DOROFFEY, A. A., and PUTIMOV, V. M. Izuchenie sukhoi brutsellëznoi vaksiny iz shtamma No. 19 (SBV) na krumnom rogatom skote [A study of dry brucellosis vaccine of strain No. 19 for large horned cattle]. *Veterinariia* 22(4/5): 29-30. Apr./May 1945. 41.8 V6426
- 16221 DOYLE, T. M. Vaccination of cattle against John's disease. *Gt. Brit. Min. Agr. Agriculture* 52: 442-444. Jan. 1946. 10 G79J
- 16222 ELTING, A. W. Malignant head catarrh in cattle. *Vet. Med.* 41: 72. Feb. 1946. 41.8 M69
- 16223 ERRECALDE, J. E. Aplicación diagnóstica del parche tuberculínico. *Res* 13: 18403-18404. Dec. 5, 1945. 286.85 R31
- In cattle.
- 16224 FARQUHARSON, J. Malignant catarrhal fever of cattle. *Jen-Sal J.* 29(1): 4-5, 30. Jan./Feb. 1946. 41.8 J45
- 16225 GIRARD, H., and ROUSSELOT, R. La rickettsiose bovine à Rickettsia bovis au Soudan français. *Soc. de Path. Exot. B.* 38: 64-77. Mar. 14/Apr. 11, 1945. Ref. 448.9 So13
- Includes discussion of tick vectors.
- 16226 GROTH, A. H. Mastitis [in cattle] and its control. *Prog. Farmer, Miss.-Ark.-La. Ed.* 61(2): 16. Feb. 1946. 6 So81
- Also in *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 61(2): 16. Feb. 1946. 6 P945K
- 16227 GROULADE, Deux cas de leucémie lymphatique chronique. *Rev. de Path. Compar.* 45(557/558): 47-48. Jan./Feb. 1945. 448.8 R326
- In cattle.
- 16228 HENDERSHOT, J. M. Ketosis [in cattle] in the Hawaiian Islands. *Amer. Vet. Med. Assoc. J.* 108: 74-75. Feb. 1946. 41.8 Am3
- 16229 HUGHES, C. E. Bang's vaccination again. *Successful Farming* 44(2): 130-132. Feb. 1946. 6 Sul2
- In cattle.
- 16230 IRWIN, M. R., and BEACH, B. A. Differential bactericidal activity of bovine serum toward strains of *Brucella abortus* of high and low virulence. *J. Agr. Res.* 72: 83-91. Jan. 15, 1946. Ref. 1 Ag84J
- 16231 JACOBSON, H. W. Infection in the throat region of cattle. *Vet. Med.* 41: 75. Feb. 1946. 41.8 M69
- 16232 JOHNSON, R. B. Studies on the complement fixation reaction as applied to bovine tuberculosis. *Cornell U. Abs. Theses* 1944: 174-176. 1945. 241.8 C81
- 16233 K., O. Cows suffering from rheumatism. *Farmers' Gaz. [Dublin]* 103, i. e. 104: 748. Dec. 15, 1945. 10 F221



- 16234 FRIEDEL, F. Über entzündung des gebärmutterhalses und des müttermundes (cervicitis) beim rind. Schweiz. Arch. f. Tierheilk. 87: 546-550. Dec. 1945. 41.8 Sch9
- 16235 KUDRIASHOV, M. V. Lechenie endometritov u korov stil'bestrolom i sinestrolom [Treatment of endometritis in cows with stilbestrol and sinestrol]. Veterinariia 22(4/5): 32-34. Apr./May 1945. 41.8 V6426
- 16236 KVESITADZE, I. F. Bakteriofag -- effektivnoe sredstvo pri paratife i kolibakterioze teliat [Bacteriophage -- an effective remedy for paratyphoid and colibacillosis in calves]. Veterinariia 22(6): 13-14. June 1945. 41.8 V6426
- 16237 LALL, H. K. A case of pyaemia due to traumatic reticulitis [in cattle]. Indian Vet. J. 22: 189-192. Nov. 1945. 41.8 In2
- 16238 LERENA, E. A. Divulgación sobre neumointeritis. Rev. Zootéc. [Buenos Aires] 32(255): 5-6. Dec. 1945. 9 R323
- In calves.
- 16239 LIGNIERES, R. La elaboración oficial de la vacuna contra la fiebre aftosa y el Decreto N°. 24.959 del 10 de octubre de 1945. Rev. Zootéc. [Buenos Aires] 32(255): 7-9. Dec. 1945. 9 R323
- In cattle.
- 16240 LO RUSSO, R. Comparación de las fórmulas leucocitarias de la leche de vacas que reaccionan o no a la tuberculina; su importancia en la inspección sanitaria de la leche. (Abs.) Rev. de Med. Vet. [Buenos Aires] 27: 89-127. Mar./Apr. 1945. 41.8 B86
- Thesis (V. M. D.) - Universidad Nacional de Buenos Aires.
- 16241 LUACES AGUIERO, J. L. Verrugas. Rev. Canad. [Habana] 5(9/10): 34-35. Sept./Oct. 1945. 49 R321
- Warts of cattle.
- 16242 MANGLIK, S. C. A case of traumatic pericarditis in ox. Indian Vet. J. 22: 197. Nov. 1945. 41.8 In2
- 16243 MANN, T. Fructose, a constituent of semen of cattle. Nature [London] 157: 79. Jan. 19, 1946. Ref. 472 N21
- 16244 MASSEY, R. Mastitis is the vet's job. Farmer & Stock-Breeder 59: 2097. Dec. 25, 1945. 10 F228
- In cattle.
- 16245 METZGER, H. J., JR., BARTLETT, J. W., and SHUART, C. E. What we are learning about Bangs [in cattle]. N. J. Farm and Gard. 17(2): 17, 68-69. Feb. 1946. 6 G162
- 16246 MOORE, G. R. Effects of stilbestrol in retained placenta [in cattle]. Amer. Vet. Med. Assoc. J. 108: 79-83. Feb. 1946. Ref. 41.5 Am3
- 16247 PARKER, H. Brucellosis control. Hoard's Dairyman 91: 77. Jan. 25, 1946. 44.8 H65
- 16248 PARKER, H. Electrical gadget speeds up garget testing. Wash. Farmer 71, 1. e. 81: 27, 43. Jan. 17, 1946. 6 R151
- 16249 PIERCE, A. E. Clinical observations on an experimental case of bovine trichomoniasis. Vet. Rec. 58: 16-18. Jan. 12, 1946. 41.8 V641
- 16250 POTENKINA, V. A. Onyterapii fascioliozsa krupnogo rogatogo skota geksekhloretanom [Therapeutic experiments on fascioliasis in large-horned cattle with hexachloroethane]. Veterinariia 22(4/5): 28-29. Apr./May 1945. 41.8 V6426
- 16251 PUKH. Zhiznesposobnost' mikrobov tipa Brucella bovis na skotnom dvore [Viability of microbes of the Brucella bovis type in the cattle shed]. Veterinariia 22(4/5): 40-41. Apr./May 1945. 41.8 V6426
- 16252 R., A. Some general conclusions in respect to mastitis in dairy cows. Farmers' Gaz. [Dublin] 103, 1. e. 104: 703, 705. Nov. 24, 1945. 10 F221
- 16253 ROGERS, G. E. Take the brakes off vaccination. Country Gent. 116(2): 20, 78-79. Feb. 1946. 6 C833
- Brucellosis in cattle.
- 16254 SHAW, A. O. Cow sense. Prog. Farmer. Tex. Ed. 61(3): 24. Mar. 1946. 6 T311
- Environmental effect on lactation.
- 16255 SMITH, J. C. Double cervix [uteri] in a cow. Vet. Med. 41: 70. Feb. 1946. 41.8 M69
- Discussion by W. L. Williams, p. 70-72.
- 16256 STAMP, J. T., and WILSON, A. Some aspects of the pathogenesis of bovine tuberculosis, based on abattoir returns. Vet. Rec. 58: 11-15. Jan. 12, 1946. 41.8 V641
- 16257 STEWART, S. G. Clinical diagnosis of tuberculosis [in cattle]. Vet. Rec. 58: 23-26. Jan. 19, 1946. 41.8 V641
- 16258 TENDEIRO, J. Um caso de prolapse do útero provocado por práticas empíricas. Rev. de Med. Vet. [Lisboa] 40: 435-437. Oct./Dec. 1945. 41.8 R3215
- In a cow.
- 16259 VILLALOBOS A., L. A. Estudio experimental de diversos métodos preventivos y curativos, ensayados en el control de la neumonia enzootica de los terneros. Agr. Costarricense 3: 481-482, 484-485, 487-489, 491-492, 494-496, 498-499, 501. Nov./Dec. 1945. 8 Ag895
- 16260 WELCH, H. Bloat vs. blackleg [of calves]. Mont. Farmer 33(11): 23. Feb. 1, 1946. 6 M764

## Miscellaneous

- 16261 ATHANASSOFF, N. A produção higiénica do leite na fazenda. São Paulo. Sec. de Agr., Indús. e Com. B. de Agr. (ser. 44) 1945: 113-148. 1945. 9-2 Sa63
- 16262 BASTOS, A. DE M. O gado da Nhecolândia. Observador Econ. o Financ. 10(117): 124-126. Oct. 1945. 280.8 Ob72
- 16263 BEATH, M. Third and last call; "the auction sale is a breeder's show window." Shorthorn News 6(4): 20, 22. Dec. 1945. 43.8 Sh85
- 16264 BLACK, W. H. Do it now. Shorthorn News 6(4): 30, 35. Dec. 1945. 43.8 Sh85
- General advice.
- 16265 BORGO BILIA, G. Una visita campos a los de Texas. Rancho 2(3): 36-37. (To be cont.) Jan. 1946. 8 R15R
- 16266 BROOKES, A. J. Milk from the Breckland. Gt. Brit. Min. Agr. Agriculture 52: 444-446. Jan. 1946. 10 G79J
- 16267 COSLINE, H. L. Milk records for 25 years. Amer. Agr. 142: 514. Dec. 1, 1945. 6 Am3
- Description of a dairy farm.
- 16268 COVERDALE, R. J. Herd classification of beef cattle. Shorthorn News 6(4): 15-16. Dec. 1945. 43.8 Sh85
- 16269 COVERDALE, R. J. A measure of progress; an attempt to find a method of determining if offspring are improvement over their parents. Shorthorn World 30(18): 25. Dec. 25, 1945. 43.8 Sh8
- 16270 CRISSEY, A. N. The South and the dairy cow. Hoard's Dairyman 91: 56, 64. Jan. 25, 1946. 44.8 H65
- 16271 DAVIS, F. E. Cattle trailing in Mato Grosso. Agr. in the Americas 6: 23-26. Feb. 1946. 1 F752A
- 16272 DRYDEN, W. A. What's in an ox? Shorthorn News 6(4): 13-14, 27. Dec. 1945. 43.8 Sh85
- Concerning shows.
- 16273 EILAND, J. C. Grade B dairying. Ala. Farmer 14, 1. e. 24(2): 6, 13. Jan. 1946. 276.8 All
- 16274 FJELLENER, P. A. Allsidig och balanserad foderstat betydelsefull. Lantmannen 30: 9-12. Jan. 5, 1946. 11 L234
- A survey of the dairy cattle industry in Sweden in 1945.
- 16275 FUNKQUIST, B. SRB-rasen under år 1945; mjölkavkastningen fortfarande i stigande. Lantmannen 30: 20-33, 48. Jan. 12, 1946. 11 L234
- A survey of the dairy cattle industry in Sweden in 1945.
- 16276 GARRIGUS, W. P. The Kentucky cow and calf plan. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61 (2): 14. Feb. 1946. 6 P945K



16277 GHO ELIZONDO, S. Control de producción de las vacas lecheras. Agrario 10(367): 11. Aug. 31, 1945. 9.3 Ag85

16278 GILBERT, R. D. New Brunswick's beef cattle program. Shorthorn News 6(4): 44, 49. Dec. 1945. 43.8 Sh85

16279 GORDON, G. E. DHI program reaches all-time high; report of Dairy-Herd Improvement Associations for December, 1945. Calif. Dairyman 25(26, 1. e. 25): 7-8. Feb. 2, 1946. 44.8 C12  
Includes testing program.

16280 GREVE S., G. Saludable inyección. Agrario 10(370): 5, 14. Nov. 15, 1945. 9.3 Ag85  
Cattle problems in Chile.

16281 GRIFFIN, B. J. Looking ahead. Milking Shorthorn J. 27(1): 26. Jan. 1946. 43.8 M59  
On the care and management of cattle.

16282 HERMAN, H. A. Help for small herds. Mo. Ruralist 87(3): 22-23. Feb. 9, 1946. 6 R8891  
Dairy cattle.

16283 HEWISON, J. W. Dairy farming in the Northern Sudan. East African Agr. J. 11: 104-109. Oct. 1945. 24 Ea74

16284 HIGGINS, L. A. Work for even flow of milk. Prog. Farmer, Miss.-Ark.-La. Ed. 61(2): 23. Feb. 1946. 6 So81

16285 HUDSON, D. S. The key to fenland fertility. Farmers Weekly [London] 24(2): 29, 31. Jan. 11 1946. 10 F2226  
Description of a diversified dairy farm.

16286 HUNTER, J. Let's use good salesmanship. Milking Shorthorn J. 27(1): 30-32. Jan. 1946. 43.8 M59  
Selling purebred dairy cattle.

16287 KINGSLEY, G. Herd management as the manager of Green Fields sees it. Jersey B. 65: 165, 203-205. Feb. 10, 1946. 43.8 J48

16288 LITTON, J. G. A farmer's viewpoint. Agr. Ireland 3: 160-163. Jan. 1946. 10.5 Ag8  
Care of dairy cattle.

16289 MCCORMIE, J. B. Fitting the show herd. Shorthorn World 30(20): 3, 40-43. Jan. 25, 1946. 43.8 Sh8

16290 MCMALE, M. A. Record keeping of calving dates, increases efficiency. W. Va. Farm News 24 (11): 13. Feb. 1946. 275.293 W. Va.

16291 MUNN, W. A. The value of a breed inventory. Guernsey Breeders' J. 69: 136. Jan. 15, 1946. 43.8 G93

16292 NISBET, J. C. All American Dairy Show and Exposition; bold proposal of the greatest dairy event in all history, five breeds, dairy associations, colleges. Jersey B. 65(1): 12-13, 59-61. Jan. 10, 1946. 43.8 J48

16293 OCAMPO O., G. Conformación de la buena vaca lechera. Rev. Nac. de Agr. [Bogotá] 39(492): 50-51. Sept./Oct. 1945. 9.4 R32

16294 PERRY, E. J. Wanted more long lived cows. Guernsey Breeders' J. 69: 131-134. Jan. 15, 1946. 43.8 G93

16295 PETERSON, W. E. There is a butt order of cows; well adjusted cows are happy and contented in the herd society. Better Farming Methods 18(2): 23, 48. Feb. 1946. 58.8 B46

16296 POWELL, S. M. What about our pay days? Milking Shorthorn J. 27(1): 18-21. Jan. 1946. 43.8 M59  
Advice on selling purebred cattle.

16297 RIBEIRO, J. A. Concurso leiteiro. Rev. dos Criadores 16(11): 24-25. Nov. 1945. 43.8 R32  
Describes an exhibition of cattle and products in Minas, Brazil.

16298 ROGOZIN, G. Povyshenie produktivnosti korov na poredovykh fermakh [Increasing the productivity of cows on the leading farms]. So'sialist. Sel'sk. Khoz. 16(6): 14-24. June 1945. 281.8 So73

16299 SANDERS, H. G., REES, T., and GRIFFITHS, J. D. This is my farm. 5. Welsh farm. Gt. Brit. Min. Agr. Agriculture 52: 448-449. Jan. 1946. 10 G79J

16300 SIMMONS, C. Efficient harvesters. Pacific Rural Press, North. Ed. 151: 60. Jan. 19, 1946. 6 P112

The dairy cow as an efficient machine.

16301 SMIRNOV, I. M. Rol' zigiyny kozhi v razdaivanií korov [Role of skin hygiene in the milking of cows]. Veterinariia 22(6): 28-31. June 1945. 41.8 V6426

16302 SMITH, H. H. Cattle improvement in Utah traced to progressive livestock men. Utah Farmer 65(10): 12. Jan. 10, 1946. 6 D45

16303 SMITH, V. R., and PETERSEN, W. E. The effect of increasing the negative pressure and widening of the vacuum-release ratio on the rate of removal of milk from the udder. J. Dairy Sci. 29(1): 45-53. Jan. 1946. 44.8 J822

16304 TORMEY, J. L. Who knows you and why? One owes it to himself and his breed to see that the influence of his cattle becomes widely distributed. Shorthorn World 30(18): 80-81. Dec. 25, 1945. 43.8 Sh8  
Advice on showing and selling cattle.

16305 TURNER, F. N. Anybody's gamble. Farmers Weekly [London] 23(26): 27. Dec. 28, 1945. 10 F2226  
On dairy cattle shows and sales in Great Britain.

16306 WHITLOW, S. Pastures + culling = success. Country Gent. 116(2): 42, 44. Feb. 1946. 6 C833  
Description of a dairy farm.

16307 YOUNG, D. J. More milk at lower unit cost. South. Planter 107(2): 20. Feb. 1946. 6 So89

Milk production by cows freshening at different seasons.

16308 YUILL, W. J. Association Herd Test of dairy cattle; annual report, 1944-45. Victoria. Dept. Agr. J. 43: 497-502, 522-524. Dec. 1945. 23 V665

## DOGS AND CATS

### Breeds and Breeding

16309 BENBOW, R. Cocker size vs weight. Dog World 30(12): 73-75. Dec. 1945. 48.8 D672

16310 THE BREEDS in brief. No. 47. Golden Retriever. Amer. Kennel Gaz. 63(2): 27-28, 184-185. Feb. 1946. Ref. (Beltville Branch Lib.)

16311 HILTON, G. W. Tips from travels. Sheepman 16: 354-355. Feb. 1946. 45.8 Sh32

Notes on working Collies.

16312 HUBBARD, C. L. B. Choosing the dogs to start new kennels. Smallholder 74(1865): 18. Dec. 14, 1945. 10 Sml

Concerns breeding.

16313 HUBBARD, C. L. B. When the matron is ready to mate. Smallholder 74(1867): 18. Dec. 28, 1945. 10 Sml

16314 LAKELAND TERRIER CLUB OF AMERICA. Revised standard for the Lakeland Terrier. Dog World 30(12): 47. Dec. 1945. 48.8 D672

16315 PFAFFENBERGER, C. J. Type's no handicap. Less talk and more action may yet bridge the gap between field and ring. Amer. Kennel Gaz. 63(2): 16-19, 181-182. Feb. 1946. (Beltville Branch Lib.)

Concerning the Spaniel.

16316 PUTNAM, A. Prospects for good sales prices in dogs in 1946. Dog World 30(12): 23. Dec. 1945. 48.8 D672

Reprint from periodical, Boxer Briefs, of article with title "Boxers - what price?"

16317 SMITH, A. C. All sorts of dogs. Field 186: 580. Dec. 1, 1945. 10 F45

A discussion of breeds.

- 16318 SMITH, A. C. Breeding [dogs] for beginners. Field 186: 550. Nov. 24, 1945. 10 F48
- 16319 SMITH, A. C. Element of breed, quality in dogs. Field 187: 80. Jan. 19, 1946. 10 F45

#### Feeds and Feeding

- 16320 ROBINSON, H. E., and GRAY, R. E. Dogs and furbearing animals. Feedstuffs 18(1): 20. Jan. 5, 1946. 286.81 F322
- Soybean product in nutrition.
- 16321 ROBINSON, H. E., and GRAY, R. E. Feed for dogs. Flour & Feed 46(8): 40. Jan. 1946. 298.8 F66

#### Veterinary Medicine

- 16322 BRION, A. Leptospiroses canines. Rev. de Path. Compar. 45(557/558): 17-20. Jan./Feb. 1945. 448.8 R326
- 16323 CABRAL, A. Apanha de felinos errantes. Rev. de Med. Vet. [Lisboa] 40: 420-424. Oct./Dec. 1945. 41.8 R3215
- Rabies control.
- 16324 DIAS, V. S. Bronco-pneumonia verminosa dos felinos domésticos. Rev. de Med. Vet. [Lisboa] 40: 392-395. Oct./Dec. 1945. 41.8 R3215
- 16325 FAURE-BRAC. Le traitement de la leishmaniose canine par la diamidinodiphenoxypentane. Acad. Vét. de France. B. 18: 203-213. July 1945. Ref. 41.9 R24
- Discussion by Césari, p. 202.
- 16326 FORMSTON, C. Observations on subluxation and luxation of the crystalline lens in the dog. J. Compar. Path. and Ther. 55: 168-184. July 1945. 41.8 J82
- From thesis submitted for "Fellowship Diploma of the Royal College of Veterinary Surgeons."
- 16327 FOX, J. E. Posterior paralysis in an aged bitch. Vet. Med. 41: 74. Feb. 1946. 41.8 M69
- 16328 GARLICK, N. L. Tetanus [in dogs] fails to respond to penicillin. Amer. Vet. Med. Assoc. J. 108: 83. Feb. 1946. 41.8 Am3
- 16329 GOODMAN, H. A double postcaval in the cat. Wassmann Collect. 6: 66-68. Apr./Nov. 1945. 442.8 W28
- 16330 HEDEMAN, L. P. Sulfathalidine in the treatment of enteric infections of small animals [dogs and cats]. Amer. Vet. Med. Assoc. J. 108: 89-91. Feb. 1946. 41.8 Am3
- 16331 HUBBARD, C. L. B. Making things easy when the pups come. Smallholder 74(1869): 20. Jan. 11, 1946. 10 Sml
- 16332 LEITÃO, J. S. "Ponos" canina. Rev. de Med. Vet. [Lisboa] 40: 229-244. July/Sept. 1945. Ref. 41.8 R3215
- Portuguese, English, and French summaries.
- 16333 RAHIM-UD-DIN, M. Some interesting observations in the study of protozoal diseases. Indian Vet. J. 22: 201. Nov. 1945. 41.8 In2
- Notes on: trypanosomiasis in dogs; Hepatozoon canis.
- 16334 RISER, W. H. The normal blood count of the domestic cat. North Amer. Vet. 27: 93-98. Feb. 1946. 41.8 N812
- 16335 SHETTY, K. S. Cibazol [sulfathiazole] in canine distemper. Indian Vet. J. 22: 199-200. Nov. 1945. 41.8 In2
- 16336 SHIRLAW, J. F., McDONALD, S., and HAYES, W. A case of canine S. typhimurium infection with notes on other Salmonella infections in animals. Indian J. Med. Res. 33: 1-3. May 1945. 448.9 In22
- 16337 VASCONCELOS, C. DE, and VALENTE, S. Sobre um processo práctico para morticínio dos cães. Rev. de Med. Vet. [Lisboa] 40: 414-419. Oct./Dec. 1945. 41.8 R3215

#### Miscellaneous

- 16338 BELL, D. S. Sheep dogs and sheep-killing dogs. Sheep and Goat Raiser 26(4): 25, 26. Jan. 1946. 45.8 Sh3

- 16339 BELL, D. S. Working dogs of America. 3. West. Livestock J. 24(12): 56, 58, 60. Jan. 1946. 6 F2278

- 16340 HUBBARD, C. L. B. Before the pups are born. Smallholder 74(1868): 21. Jan. 4, 1946. 10 Sml
- Care of the dam.
- 16341 HUBBARD, C. L. B. Rearing puppies into fine little fellows. Smallholder 74(1870): 21. Jan. 18, 1946. 10 Sml
- 16342 HUBBARD, C. L. B. When the time comes to sell surplus pups. Smallholder 74(1871): 20. Jan. 25, 1946. 10 Sml
- 16343 JUDY, W. Sources of information on dog breeding as a profession, with list of veterinary colleges. Dog World 30(12): 22. Dec. 1945. 48.8 D672
- 16344 JUDY, W. Why the world likes dogs. Dog World 30(12): 8. Dec. 1945. 48.8 D672
- A eulogy.
- 16345 RAMOS NÚÑEZ, G. Como perros y gatos? Rev. Nac. de Agr. [Bogotá] 39(492): 65, 70. Sept./Oct. 1945. 9.4 R32
- Psychology of harmonious association.
- 16346 SMITH, A. C. Choosing a house-dog. Field 187: 109. Jan. 26, 1946. 10 F45
- 16347 WILDNER, C. L. Training of Spaniels and Retrievers boiled down to essentials. Dog World 30(12): 76, 83. Dec. 1945. 48.8 D672
- Reprint of the circular of information sent to clients by the author, a trainer.

#### HORSES AND MULES

##### Breeds and Breeding

- 16348 ALVES, C. B. I still say inbreeding is a dead-end street; incest simply doesn't pay, in horses or anywhere else. Thoroughbred Rec. 143: 158, 169. Jan. 26, 1946. 42.8 T39
- 16349 CHRISTMAS, R. Post-war importation. East. Breeder 7(9): 21-22. Feb. 1946. 49 V81
- Thoroughbred horses.
- 16350 COSTA, A. B. S. DA. O cavalo Árabe. Rev. de Med. Vet. [Lisboa] 40: 301-307. July/Sept. 1945. 41.8 R3215
- 16351 THE COW man's horse [the Quarter Horse]. Brahman Breeder-Feeder 11(12, i. e. 10): 11, 28, 30. Dec. 1945. 43.8 B73
- 16352 CROWAN, C. J., JR. History of the American Saddle Horse Breeders' Association. Tex. Livestock J. 5(1): 109, 112. Jan. 15, 1946. 49 T229
- 16353 FERRER PALAUS, J. El garañón catalán. Cult. Mod. 28: 419-421. Nov. 1945. 15 C89
- 16354 HILLS, F. B. The Morgan horse. Blue Ribbon 7: 35-36, 40. 1945. 42.8 B622
- 16355 HOWARD, J. E. Breeding and its qualities. Natl. Horseman 82(1): 16-17, 40, 44. Jan. 1946. 42.8 N21
- 16356 JACKSON, B. Profile of three great producers...the American Saddle Horse. Natl. Horseman 82(1): 14-15. Jan. 1946. 42.8 N21
- 16357 MICHAELIS, H. What is a pure-bred Quarter Horse? Tex. Livestock J. 5(1): 113-114. (To be cont.) Jan. 15, 1946. 49 T229
- 16358 NEED for Arabian blood. Brahman Breeder-Feeder 11(12, i. e. 10): 30B. Dec. 1945. 43.8 B73
- For improvement of Thoroughbred.
- 16359 ORR, G. M. The Tennessee Walking Horse. Blue Ribbon 7: 9, 12. 1945. 42.8 B622
- 16360 P., R. Advantages of keeping a brood mare for the production of half-bred horses. Farmers' Gaz. [Dublin] 104, i. e. 105: 8-9. Jan. 5, 1946. 10 F221
- 16361 PALMER, J. H. The myth of the pure race, pure moonshine. Blood-Horse 45: 289. Feb. 2, 1946. 42.8 T392
- 16362 PEAKE, C. Quarter Horse of the Pacific Coast. West. Livestock J. 24(12): 35, 89, 178. Jan. 1946. 6 F2278



16363 WALSH, J. J. The Morgan horse in California. *Vt. Horse and Bridle Trail* B. 10(1): 28. Jan. 1946. 42.8 V59

16364 WENTWORTH, LADY. Equine strain breeding in Arabia. *Country Life* [London], 99: 124-125. Jan. 18, 1946. 80 C83

#### Feeds and Feeding

16365 GARMENDIA, L. I. Raciones para caballos. Uruguay. *Min. de Ganad. y Agr. B. Inform.* 2: 434-435. Nov. 15, 1945. 9.9 G15B

Concerning draft horses.

16366 HUFF, J. W., PEARSON, P. B., and PERLZWTIC, W. A. Further studies on the metabolism of nicotinic acid and related compounds in the horse. *Arch. Biochem.* 9: 90-104. Jan. 1946. Ref. 381 Ar2

16367 OLSSON, N. Smältbarhetsförsök med arbetshästar [Digestibility experiments with draft horses]. (*Digest*) *Lantmannen* 29: 1087-1088. Dec. 1, 1945. 11 L234

16368 ZAPATA, J. E. Concepto general de la higiene del caballo e higiene de la alimentación. *Mex. Dir. Gen. de Ganad. B. Mens.* 16(9): 1-12, processed. (To be cont.) Sept. 1945. 41.9 M57

Chiefly on feeding.

#### Veterinary Medicine

16369 AHRENDES, F. Unclassified testicular tumor [in a horse]. *Vet. Med.* 41: 73-74. Feb. 1946. 41.8 M69

16370 ANDREEV, K. P. Kliniko-epizootologicheskie osobennosti smeshannogo techeniya infektsionnoi anemii i nuttallioza. *Veterinariya* 22(4/5): 15-17. Apr./May 1945. 41.8 V6426

Clinico-epizootiological characteristics of infectious anemia and nuttalliosis in horses.

16371 CANTONNET, P., and FOUCHIER, J. Nouveau traitement de la pousse du cheval. *Acad. Vét. de France. B.* 16: 195-201. July 1945. 41.9 B24

Discussion by Robin, p. 194.

16372 CARTWRIGHT, H. O. Tetanus in horses. *Tasmanian J. Agr.* 16(1): 16, 32. Feb. 1, 1945. 23 T182T

16373 CLAY, A. L. Strangles. *Queensland Agr. J.* 61: 308-312. Nov. 1945. 23 Q33

16374 EL'TSOV, S. G. Vyiasnenie gemoliticheskogo deistviya rastvorov khloralgidrata, narkolana, geksenala u loshadei [Ascertaining the hemolytic action of solutions of chloral hydrate, Narkolan, and Hexenal in horses]. *Veterinariya* 22(6): 26-27. June 1945. 41.8 V6426

16375 FIELD, S. World's keenest nose. *Thoroughbred of Calif.* 5(1): 9, 62. Jan. 1946. 42.8 T393

16376 FOSTER, A. E. C. Shin soreness in race-horses. *Id. Horse* 11(1): 22-24. Jan. 1946. 42.8 M36

16377 FREITAS, L. C. R. DE. Breves considerações sobre termometria do gado muar. *Rev. de Med. et. Lisboa*, 40: 255-260. July/Sept. 1945. 1.8 R3215

16378 H., H. T. B. Treatment of ringworm in orses. *Fiji. Dept. Agr. Agr. J.* 16: 62. Oct. 1945. 5 F47Ag

16379 HOWARD, J. E. Conformation and anatomy structure of the horse. *Natl. Horseman* 82(2): 24-16. Feb. 1946. 42.8 N21

16380 JUNQUEIRA, J. F. D. O cavalo mangalarga. *Fazenda* 40: 592-593. Dec. 1945. 6 H11P

16381 KERR, W. R., MCGIRR, J. L., and LAMONT, H. G. "Blue nose disease" in the horse. *Vet. Rec.* 58: 28. Jan. 19, 1946. 41.8 V641

Possibly poisoning due to grass eating.

16382 KIMBALL, P. A. Latent infection following castration [of a horse]. *Vet. Med.* 41: 74. Feb. 1946. 41.8 M69

16383 KUZNETSOV, A. K. Glukhaya gipsovaia poviazka pri ranenifakh konechnostei loshadei. *Veterinariya* 22(6): 23-26. June 1945. 41.8 V6426

Plaster of Paris bandage for wounds in horses' extremities.

16384 LAFORTUNE, J. G. Les plaies. *Forêt Québécoise* 10: 365. Dec. 1945. 99.8 F79

In horses.

16385 LAMIKHOV, K. F. Opyt ozdorovleniya khozaiatv ot epizooticheskogo limfangita loshadei [Experiment in improving the sanitary conditions of farms in order to control mycotic lymphangitis in horses]. *Veterinariya* 22(5): 9-11. June 1945. 41.8 V6426

16386 LEITAO, S. Parasitologia pratica; a fenotiziana como anti-helmintico intestinal nos equideos. *Rev. de Med. Vet. [Lisboa]* 40: 432-434. Oct./Dec. 1945. 41.8 R3215

16387 MACLEOD, J., and PONDER, E. Blood differences among horses. *Blood-Horse* 45: 371. Feb. 9, 1946. 42.8 T392

16388 MAGNEVILLE, A. Les "plaies d'été" des équides. *Rev. Agr. de l'Afrique du Nord* 43: 147-148. July 6, 1945. 80 R326

16389 MAQSOOD, M. Glanders in the ass. *Indian Vet. J.* 22: 193-194. Nov. 1945. 41.8 In2

16390 NEMTSOV, N. P., and BORODULIN, F. A. Atoksil pri istoshchenii loshadei [Atoxyl in the treatment of emaciated horses]. *Veterinariya* 22(4/5): 42. Apr./May 1945. 41.8 V6426

16391 NOVIKOV, A. I. Ret'sidiv epizooticheskogo limfangita (blastomikoza) loshadei [Relapses of epizootic lymphangitis in horses (blastomycosis)]. *Veterinariya* 22(4/5): 21-22. Apr./May 1945. 41.8 V6426

16392 OLSON, J. R. Carcinoma of the maxillary sinus in a horse. *Vet. Med.* 41: 72. Feb. 1946. 41.8 M69

16393 RAINEY, J. W. Lameness in the horse due to foot injury. *Tasmanian J. Agr.* 16: 149-151, 169. Nov. 1, 1945. 23 T182T

16394 SHUJA, J. Commuted fracture of the humerus in a horse from muscular contraction. *Vet. J.* 102(1): 21. Jan. 1946. 41.8 V643

16395 ZYKOV, A. I. Nash metod ekstirpatsii pri nekroze m'akishnogo khriashcha loshadei [Our method of removing the soft cartilage in horses during necrosis]. *Veterinariya* 22(4/5): 34-37. Apr./May 1945. 41.8 V6426

#### Miscellaneous

16396 BACON, L. F. Unsoundness and vice in horses. *Percheron News* 8(1): 20. Jan. 1946. 42.8 P412

"Courtesy Midwestern Horseman."

Advice in purchasing.

16397 BORISOVICH, F. K. Pravil'no podkovyvaite loshadei [Shoe your horses properly]. *U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz.*, No. 29, broadside. Moskva, 1945. 20 Ag88

16398 BURNS, R. H. The Oxford Horse Ranch; famous old Wyoming establishment still in existence. *Westerner* 9(1): 46-48. Feb. 1946. 49 W522

16399 CARNAT, G. Statique et mécanique dans l'appréciation du cheval. *Schweiz. Arch. f. Tierheilk.* 87: 527-546. Dec. 1945. 41.8 Sch9

Evaluation of the draft horse.

16400 COCHRAN, K. Better horse department needed at Davis. *Thoroughbred of Calif.* 5(1): 17, 53. Jan. 1946. 42.8 T393

University of California, College of Agriculture at Davis.

16401 DINSMORE, W. What became of the draft horse? *West. Livestock J.* 24(12): 186. Jan. 1946. 6 F2278

16402 GUARD, W. F. Are work horses ready? *Breeder's Gaz.* 111(2): 23. Feb. 1946. 49 B74

16403 HORSE herds of lang syne [Australia]. *Past. Rev.* 55: 938-939. Dec. 15, 1945. 23 Au75

16404 HUNTERFORD, T. G. The breaking, training and handling of horses. Agr. Gaz. N. S. Wales 56: 484-486, 488. (Cont.) Nov. 1, 1945. 23 N472  
Training saddle horses and handling broken horses.  
16405 JARDIM, W. R. Escolha de um bom jumento. Rev. Rural Bras. 25(302): 16-17. Oct. 1945. 9.2 B733

Setting up of a standard.

16406 MCCAFFREE, R. Raising spotted mules. Mont. Farmer 33(11): 5. Feb. 1, 1946. 6 M764

16407 MARTINEZ, M. A. Color de los caballos. Dominican Rep. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr. 36(159): 30-34. Mar./Apr. 1945. 8 R323

16408 MOWERS, C. W. Good horses hard to find [Canada]. Family Herald and Weekly Star 77(2): 10. Jan. 9, 1946. 7 F21

16409 PHILLIPS, R. W., JOHNSON, R. G., and MOYER, R. T. The horses of China. Vt. Horse and Bridle Trail B. 10(1): 10-12. (Concl.) Jan. 1946. 42.8 V59

16410 RYSHKOV, V. P. Mongol'skii sposob povala loshed'i [Mongolian method of throwing a horse]. Veterinarika 22(4/5): 43. Apr./May 1945. 41.8 V426

16411 S., T. Curing a kicking horse. Rural New-Yorker 105: 77. Jan. 19, 1946. 6 R88

16412 SIMÕES, A. Algumas notas acerca dos vocabulos, argol e congêneres. Rev. de Med. Vet. [Lisboa] 40: 278-289. July/Sept. 1945. 41.8 R3215

16413 TAYLOR, L. Buying and selling horses. West. Livestock J. 24(12): 140-141, 144. Jan. 1946. 6 F2278

16414 WOOD, S. T. Horses of the Royal Canadian Mounted Police. Blue Ribbon 7: 13, 15-17. 1945. 42.8 B622

## POULTRY

### Breeds and Breeding

16415 AMONG the miniatures. By Duckwing. Poultry World 78: 6. Jan. 4, 1946. 47.8 P8682

16416 BARLEY, H. D. High-priced males. Poultry World 77: 317. Dec. 28, 1945. 47.8 P8682

16417 BIRTWISTLE, V. Eliminate breeding pen wastages. Poultry [London] 98: 9. Jan. 1, 1946. 47.8 P869

16418 BONALUME, W. L. Zootechnia--columbófila; consanguinidade. Fauna [São Paulo] 4(11): 37-38. Nov. 1945. 410 F272

16419 BREEDING pen fundamentals. By "Rufus." Poultry Farmer [Sydney] 12(54): 35-36. June 9, 1945. 280.28 Or32

Poultry breeding.

16420 THE breeding pens. By "Rufus." Poultry Farmer [Sydney] 13(12): 21-22. Sept. 22, 1945. 280.28 Or32

Poultry breeding.

16421 BROWNE, C. L. Turbits an outstanding bird. Amer. Pigeon J. 34(11/12): 173. Nov./Dec. 1945. (Beltsville Branch Libr.)

16422 CARE, C. H. Breeding pigeons for squab production. Amer. Poultry J. 34(11/12): 174-175. Nov./Dec. 1945. (Beltsville Branch Libr.)

16423 CHARLES, T. B. Poultry progress in New Hampshire. New England Homestead 119(3): 23. Feb. 9, 1946. 6 N442

Breeding.

16424 DARK Cornish. Poultry Tribune 51(11): 4-5. Dec. 1945. 47.8 P8642  
Color plate, p. 4.

16425 DOES the cross-bred fit in? Definite production possibilities. By "Mac." Poultry Farmer [Sydney] 13(8): 25-26, 28-30. Aug. 25, 1945. 280.28 Or32

16426 THE evolution of utility stock. By "Rufus." Poultry Farmer [Sydney] 12(51): 39-41. May 19, 1945. 280.28 Or32

16427 "FISHBLOTTE" breeding chart; an explanation of line breeding. By "Observer." Poultry Farmer [Sydney] 13(20): 19. Nov. 17, 1945. 280.28 Or32

16428 GORDON, M. D. How to get winter eggs. Field 186: 542. Nov. 24, 1945. 10 F45

Importance of strain and variety for winter production.

16429 GORDON, M. D. Mating of poultry. Field 187: 80. Jan. 19, 1946. 10 F45

16430 GRAHAM, L. P. Beltsville Small White turkeys. Turkey World 21(2): 84. Feb. 1946. 47.38 T84

Sketches showing development of the breed.

16431 GRAHAM, L. P. Poultry sketches; in-bredized poultry. Poultry Tribune 51(11): 44. Dec. 1945. 47.8 P8642

R. I. Red-White Leghorn cross.

16432 GREEN, J. A. Outstanding progeny test. Poultry Farmer [London] 113(2949): 3. Dec. 28, 1945. 47.8 F312

16433 GRIFFIN, H. P. Broad Breast breeders meet; vote to petition for APA recognition of breed. Turkey World 21(2): 46, 86-87. Feb. 1946. 47.38 T84

National Broad Breasted Bronze Turkey Club.

16434 HAGEDOORN, A. L. Nucleus system of breeding. 3-4. Poultry Farmer [London] 113(2948): 3; 114(2950): 5. Dec. 21, 1945, Jan. 4, 1946. 47.8 F312

3. The principles; 4. Scrap your trapnest.

16435 HALLOWS, R. J. Which breed? Facts that govern the beginner's choice. Poultry World 78: 5. Jan. 4, 1946. 47.8 P682

16436 HOW TO get eggs that hatch; a symposium on breeder management. Turkey World 21(2): 19, 118-123. Feb. 1946. 47.38 T84

By A. Granlees, R. H. Jandebour, C. W. Wampler, M. Howorth, L. C. Boggs, and Mrs. S. Williams.

16437 HOW to make red Reds lay. By "Rufus." Poultry Farmer [Sydney] 12(44): 33-36. Mar. 31, 1945. 280.28 Or32

16438 HUTTON, J. Pekins and the Ixworth. Poultry [London] 97: 412. Dec. 25, 1945. 47.8 P869  
Bantams.

16439 I., P. Need for good laying geese. Rural New-Yorker 105: 127. Feb. 2, 1946. 6 R88  
Breeding for egg production.

16440 IN-BREEDING or out-crossing. By "Rufus." Poultry Farmer [Sydney] 13(8): 78, 80. Aug. 25, 1945. 280.28 Or32

16441 INFERTILE hens. "Rufus." Poultry Farmer [Sydney] 12(41): 42-43. Mar. 10, 1945. 280.28 Or32

16442 JEFFREY, F. P. Putting theory into practice. New England Homestead 119(3): 29. Feb. 9, 1946. 6 N442

Progeny test breeding in poultry.

16443 JOAQUIN ALPÍZAR, J. Razas de gallinas. Agr. Costarricense 3: 441. Nov./Dec. 1945. 8 Ag895  
Introduction to a forthcoming series of articles.

16444 KESSEL, E. L. The inheritance of cleft and double uropygial gland papillae in the domestic fowl. Wasmann Collect. 6: 84-87. Apr./Nov. 1945. 442.8 W28

16445 KESSEL, E. L. A sub-lethal gene of the domestic fowl. Wasmann Collect. 6: 82-84. Apr./Nov. 1945. 442.8 W28

16446 LIGHT Brahmas. Poultry Tribune 52(2): 4-5. Feb. 1946. 47.8 P8642  
Color plate, p. 4.

16447 LODGE, C. Ducks, geese and turkeys; selecting the breeders. Poultry Farmer [London] 114 (2950): 8. Jan. 4, 1946. 47.8 F312

16448 MAYSON, T. Pacific coast Roller pigeons. Amer. Pigeon J. 34(11/12): 165-167. Nov./Dec. 1945. (Beltsville Branch Libr.)



16449 METCALF, E. W. Seeing Kings in the light of the standard. Amer. Pigeon J. 34(11/12): 164-165. Nov./Dec. 1945. (Beltsville Branch Libr.)

16450 MILSTEAD, E. Direction of Swiss Mondaines is forward. Amer. Pigeon J. 34(11/12): 172. Nov./Dec. 1945. (Beltsville Branch Libr.)

16451 MOORE, F. Special matings. Turkey World 21(2): 62-67. Feb. 1946. 47.38 T84

16452 MORGAN, C. L. The Plymouth Rock. South. Agr. 76(2): 61. Feb. 1946. 6 So83

16453 NEWMAN, T. We must have vigour in our birds...essential to every breeding project. Mod. Poultry Keeping 53: 434-435. Dec. 12, 1945. 47.8 Eg3

16454 NICKERSON, M. Conditions modifying the expression of silver in the Silver Campine fowl. Physiol. Zool. 19(1): 77-83. Jan. 1946. Ref. 410 P56

16455 NICKERSON, M. Relation between black and red melanin pigments in feathers [of domestic fowls]. Physiol. Zool. 19(1): 66-77. Jan. 1946. Ref. 410 P56

16456 PARKER, J. E. Semen production in Broad Breasted Bronze turkey. Poultry Sci. 25: 65-68. Jan. 1946. 47.8 Am33P

16457 POULTRY breeding requires art and science; line-breeding will help. By "Mac." Poultry Farmer [Sydney] 12(42): 23-28. Mar. 17, 1945. 280.28 Or32

16458 POWELL-OWEN, W. Filling the machines; judicious flock-mating. Poultry World 78: 5. Jan. 4, 1946. 47.8 P8682

16459 POWELL-OWEN, W. Select sound-backed breeders; hidden defects can only be detected by handling. Poultry Farmer [Sydney] 12(52): 15-16. May 26, 1945. 280.28 Or32

16460 PROGRESSIVE methods for the beginner. By "Rufus." Poultry Farmer [Sydney] 12(48): 9-12. Apr. 28, 1945. 280.28 Or32

Breeding methods.

16461 PROPER pedigree records; their great value. By "Rufus." Poultry Farmer [Sydney] 12(40): 32-34, 36-38. Mar. 3, 1945. 280.28 Or32

16462 QUINN, J. P. Breeding better egg shells. Amer. Egg & Poultry Rev. 7(2): 30, 32, 42. Feb. 1946. 47.8 Am38

16463 R. Dual mating evil. Poultry Farmer [Sydney] 12(46): 10-11. Apr. 14, 1945. 280.28 Or32

16464 R. Natural forces. Poultry Farmer [Sydney] 13(15): 37. Oct. 13, 1945. 280.28 Or32

Pitfalls in breeding poultry.

16465 R. Pedigree breeding. Poultry Farmer [Sydney] 13(13): 45. Sept. 29, 1945. 280.28 Or32

16466 ROBERTSON, H. W. If there's any doubt, try Carneau. Amer. Pigeon J. 34(11/12): 171-172. Nov./Dec. 1945. (Beltsville Branch Libr.)

16467 SELECTION of breeders. By "Rufus." Poultry Farmer [Sydney] 12(47): 17-19. Apr. 21, 1945. 280.28 Or32

16468 SEVERSON, H. Poultry wizard of Tryon; Ted Wilcox's prize-winning Barred Rocks are proof of the soundness of his poultry breeding theories. South. Agr. 76(1): 9, 32. Jan. 1946. 6 So83

16469 SHMIDBERG, A. The problem of "mixed" hens (In Hebrew.) Hassadeh 26: 106-108. Nov./Dec. 1945. 26 H27

16470 SODERBERG, P. M. Most profitable breed. Poultry Farmer [London] 113(2949): 8. Dec. 28, 1945. 47.8 F312

Rhode Island Red.

16471 THOMPSON, W. G. Black Minorca Bantams. Poultry Farmer [London] 113(2948): 10. Dec. 21, 1945. 47.8 F312

16472 THOSE stud cockerels. By "Rufus." Poultry Farmer [Sydney] 13(2): 13-14. July 14, 1945. 280.28 Or32

16473 VAN GINK, C. S. T. Permanent sickles. Poultry Farmer [London] 114(2950): 10. Jan. 4, 1946. 47.8 F312

Breeding Bantams for retention of sickle feathers.

16474 WARDER, A. B. My experience with English Trumpeters. Amer. Pigeon J. 34(11/12): 167. Nov./Dec. 1945. (Beltsville Branch Libr.)

16475 WHITE, B. Why import Continental breeds? Poultry [London] 98: 41. Jan. 15, 1946. 47.8 P869

16476 ZUMBRO, P. B. Watch the feathers grow; start selecting next year's breeding cockerels at 10 days. Poultry Tribune 52(2): 15, 82. Feb. 1946. 47.8 P8642

### Feeds and Feeding

16477 ALMQUIST, H. J. Proteins and amino acid requirements of chickens. Flour & Feed 46(8): 12. Jan. 1946. 298.8 F66

16478 ASMUNDSON, V. S. Notes on feeding. Turkey World 21(2): 52-53, 82-84. Feb. 1946. 47.38 T84

16479 ASSISTING feather growth. By Observer. Poultry World 77: 298. Dec. 14, 1945. 47.8 P8682

Feeding of late hatched Bantams.

16480 BETHKE, R. M. Special feeding for hatchability. Flour & Feed 46(9): 37. Feb. 1946. 298.8 F66

16481 BIRD, F. H., and others. The comparative requirements of chicks and turkey poult for riboflavin. Poultry Sci. 25: 47-51. Jan. 1946. 47.8 Am33P

V. S. Asmundson, F. H. Fratzler, and S. Leokovsky, joint authors.

16482 BIRD, H. R., and RUBIN, M. Value of high levels of calcium pantothenate and pyridoxine hydrochloride in chick diets free of animal protein. Poultry Sci. 25: 87-89. Jan. 1946. 47.8 Am33P

16483 BIRD, H. R. La vitamina D y el desarrollo de los pollos. Res 13: 18407. Dec. 5, 1945. 286.85 R31

16484 BOUCHER, R. V. Poultry nutrition; up-to-date developments show how to increase effectiveness of feeds. Feedstuffs 18(6): 50-52. Feb. 9, 1945. 286.81 F322

16485 BRIGGS, G. M. Observations on an unidentified feather-pigment factor necessary for chickens fed purified diets. Poultry Sci. 25: 41-46. Jan. 1946. 47.8 Am33P

16486 BRIGGS, G. M. Postwar trends in poultry nutrition. Flour & Feed 46(8): 34. Jan. 1946. 298.8 F66

Also in Feedstuffs 18(1): 34-36. Jan. 5, 1945. 286.81 F322

16487 C., O. A. Proper feeding methods. Rural New Yorker 106: 168. Feb. 16, 1946. 6 R88

For chicks.

16488 CARTWRIGHT, H. Turn fish into eggs. Poultry Farmer [London] 113(2949): 8. Dec. 28, 1945. 47.8 F312

16489 CHARLES, T. B. Chicken feed. New England Homestead 119(1): 32-33. Jan. 12, 1946. 6 N442

16490 CHILSON, W. T., and PATRICK, H. Effect of withholding feed and water on early poult mortality and growth. Poultry Sci. 25: 86-87. Jan. 1946. 47.8 Am33P

16491 CLELAND, W. A., and BROWDER, W. F. Lay or bust. Ala. Farmer 14, 1. s. 24(2): 6. Jan. 1946. 276.8 ALL

Poultry feeding.

16492 CLINTON, H. F. Drinking water for poultry. Victoria. Dept. Agr. J. 43: 467. Nov. 1945. 23 V66J

16493 CRAVENS, W. W., and others. Studies on the pyridoxin requirements of laying and breeding hens. Poultry Sci. 25: 80-82. Jan. 1946. 47.8 Am33P

E. E. Sebesta, J. G. Halpin, and E. B. Hart, joint authors.

16494 CROSBY, J. More poultry feeds needed. Calif. Cult. 93: 35, 55. Jan. 19, 1946. 6 C12

- 16495 CRUSHED oyster shell. By "Rufus." Poultry Farmer [Sydney] 13(15): 26-27. Oct. 13, 1945. 280.28 Or32
- 16496 DAVIS, G. F., MEHRHOF, N. R., and MCKINNEY, R. S. Effect of tung meal in rations for growing chicks. Poultry Sci. 25: 74-79. Jan. 1945. 47.8 Am33P
- 16497 FARNSWORTH, MRS. H. Feed is the problem. Mo. Ruralist 87(3): 26. Feb. 9, 1946. 6 R8891 Poultry.
- 16498 FREY, P. R., and KRATZER, F. H. Rumen contents a promising source of B complex vitamins for poultry rations. Colo. Farm B. [Colo. Sta.] 7(6): 7-9. Nov./Dec. 1945. 100 C71S
- 16499 GILMORE, L. N. Amino acids in poultry feeds. Rural New-Yorker 105: 122. Feb. 2, 1946. 6 R88
- 16500 GLAZENER, E. W., MATTINGLY, J. P., and BRIGGS, G. M. Abnormal blackening of the feathers of the New Hampshire chicks as the result of vitamin D deficiency. Poultry Sci. 25: 85-86. Jan. 1946. 47.8 Am33P
- 16501 GORDON, M. D. Feeding affects poultry fertility. Field 186: 632. Dec. 15, 1945. 10 P45
- 16502 GUTTERIDGE, H. S., and PRATT, J. M. The effect of vitamins D<sub>2</sub> and D<sub>3</sub> in fish oils and of iodocasein of shell quality. Poultry Sci. 25: 89-91. Jan. 1946. 47.8 Am33P
- 16503 HADLINGTON, E. Research work at Government Poultry Experiment, Farm, Seven Hills. Poultry Farmer [Sydney] 13(16): 14. Oct. 20, 1945. 280.28 Or32
- Feed research.
- 16504 HARDING, H. W. Feeding for eggs: topical hints for improving production. Poultry World 78: 10. Jan. 4, 1946. 47.8 P8682
- 16505 HART, L., and DUNCAN, D. C. Feeding sulfur to prevent coccidiosis in chickens. The effect on health and growth. Agr. Gaz. N. S. Wales 56: 515-516. 522. Nov. 1, 1945. 23 N472
- 16506 HILL, F. W. Studies of unidentified vitamins required by the chick. Cornell U. Abs. Theses 1944: 162-165. 1945. 241.8 C81
- 16507 HOWES, H. Chick-feeding methods. Smallholder 74(1865): 14. Dec. 14, 1945. 10 Sml
- 16508 HUTT, F. B. Breed variations in [poultry] nutritive requirements. (Extr.) Feedstuffs 18(1): 9. Jan. 5, 1946. 286.81 F322
- 16509 MCCLYMONT, G. L. The nutritional requirements of poultry. Practical application of results of research. Agr. Gaz. N. S. Wales 56: 512-514, 565-566. (Cont.) Nov. 1, Dec. 1, 1945. 23 N472
- Importance of riboflavin.
- 16510 MCGINNIS, J. Studies on the utilization by the chick of phosphorus supplied entirely from plant sources. Cornell U. Abs. Theses 1944: 180-181. 1945. 241.8 C81
- 16511 MILBY, T. T. Mung beans as a source of protein for turkey poult. Okla. Acad. Sci. Proc. (1944) 25: 50-53. 1945. 500 Ok42
- 16512 NORRIS, L. C. Water-soluble vitamins in poultry nutrition. (Extr.) Feedstuffs 18(2): 52-53. Jan. 12, 1946. 286.81 F322
- 16513 PENQUITE, R., THOMPSON, R. B., and HELLER, V. G. Plumage development in chickens. Poultry Sci. 25: 13-19. Jan. 1946. 47.8 Am33P
- Effect of feeding.
- 16514 RAIMO, H. F. Ganhe dinheiro criando aves. Rev. dos Criadores 16(11): 26-29. Nov. 1945. 43.9 R32
- Chiefly on feeding and nutrition.
- 16515 SARMA, P. S., and ELVREJEM, C. A. Growth inhibition of chicks on rations containing corn grits. Poultry Sci. 25: 39-40. Jan. 1946. 47.8 Am33P
- 16516 SCOTT, M. L. Evidence of a new chick anti-anemic factor. (Extr.) Feedstuffs 18(1): 21-22. Jan. 5, 1946. 286.81 F322
- Lactobacillus casei factor.
- 16517 SMYTH, J. R. Rations carefully planned. New England Homestead 119(3): 34-35. Feb. 9, 1946. 6 N442
- Work of the New England Poultry Feed Conference Board.
- 16518 SPARLING, I. R. The nutrition of turkeys. Canad. Poultry Rev. 70(2): 38-39. (Cont.) Feb. 1946. 47.8 C16
- 16519 WEBB, E. A. Brewers yeast for poultry. Flour & Feed 46(8): 43. Jan. 1946. 298.8 F66
- 16520 WHITSON, D., TITUS, H. W., and BIRD, H. R. Effect of dietary level of soybean meal on hatchability. Poultry Sci. 25: 52-58. Jan. 1946. 47.8 Am33P
- 16521 WORTHINGTON, J. Grain, grit and grass...a [poultry] feeding method. Farmers Weekly [London] 23(26): 29. Dec. 28, 1945. 10 F2226
- Veterinary Medicine
- 16522 ALICATA, J. E. Check those poultry parasites; don't let them "worm" their way into your flock. Hawaii Farm and Home 9(1): 22-24. (To be cont.) Jan. 1946. 25 H3191
- 16523 ATKINSON, J. M. Pullorum tolerance; sixth annual survey. Hatchery Tribune 20(2): 30, 32. Feb. 1946. 47.8 H28
- 16524 BALL, R. F., and COLE, R. K. A study of the relationship between the iris color of the dam and the mortality of her progeny [due to tumors]. Poultry Sci. 25: 33-38. Jan. 1946. 47.8 Am33P
- 16525 BIELSCHOWSKY, F., and GREEN, H. N. An induced carcinoma in the fowl. Nature [London] 156: 780. Dec. 29, 1945. 472 N21
- 16526 BILLINGS, W. A. Pullorum control to date. Turkey World 21(2): 108-111. Feb. 1946. 47.38 T84
- 16527 BLACK, D. G. S., and BOOTH, R. G. Production of capons by the use of synthetic oestrogens. Nature [London] 157: 78-79. Jan. 19, 1946. 472 N21
- 16528 EMMEL, M. M. Hemocytoblastosis in chickens, its causes and how to control it. Fla. Poultryman and Stockman 12(1): 6, 18. Jan. 1946. 47.8 F66
- 16529 ERIKSEN, S. Poultry disease diagnosis chart; with suggestions for prevention and treatment. Poultry Tribune 51(11): 18-19. Dec. 1945. 47.8 P8642
- 16530 FISCHER, W. G. Infectious fowl paralysis (neurolymphomatosis). New Zeal. J. Agr. 71: 615-620. Dec. 15, 1945. 23 N48J
- 16531 FURNESS, T. L. The use of borax for coccidiosis. Poultry Farmer [Sydney] 13(11): 37. Sept. 15, 1945. 280.28 Or32
- 16532 GOMEZ, O. J. Consideraciones sobre la espiroquetosis, características de la enfermedad y medidas apropiadas para una profilaxis racional. Res 13: 18406-18407. Dec. 5, 1945. 286.85 R31
- In poultry.
- 16533 GORDON, M. D. Treating colds in poultry. Field 186: 600. Dec. 8, 1945. 10 P45
- 16534 GORDON, M. D. Treatment of prolapse in poultry. Field 186: 571. Dec. 1, 1945. 10 P45
- 16535 GORDON, R. F. The various respiratory diseases of the fowl. Mod. Poultry Keeping 54: 8-9. (To be cont.) Jan. 2, 1946. 47.8 Eg3
- 16536 GREENWOOD, A. W., and PEACOCK, P. R. The influence of genetic factors on the transmissibility of fowl sarcomas. Brit. J. Expt. Path. 26: 357-361. Oct. 1945. 448.8 B772
- 16537 HOFSTAD, M. S. A study of infectious bronchitis in chickens. Cornell U. Abs. Theses 1944: 166-169. 1945. 241.8 C81
- 16538 HOLLANDER, W. F., and RIDDLE, O. Goiter in domestic pigeons. Poultry Sci. 25: 20-27. Jan. 1946. 47.8 Am33P
- 16539 HOWES, H. Laying ducks in trouble. Mod. Poultry Keeping 54: 8. Jan. 2, 1946. 47.8 Eg3
- Egg binding.



- 16540 IMMUNITY from disease. By "Rufus." Poultry Farmer [Sydney] 13(13): 20. Sept. 29, 1945. 280.28 Or32 Roup.
- 16541 JAAP, R. G. Rapid assays to determine the fattening potency of orally administered estrogens in birds. Okla. Acad. Sci. Proc. (1944) 25: 37-38. 1945. Ref. 500 ok42
- 16542 JOHNSTON, M. G. Disease dangers for poultry, in December. Family Herald and Weekly Star 76(50): 11. Dec. 12, 1945. 7 F21
- 16543 JONES, E. E. Avian pneumoencephalitis. Coop. Poultryman 11(1/2): 5, 11. Jan./Feb. 1946. 47.8 C782
- 16544 JONES, N. Pullorum control. Ark. Poultry Impr. Assoc. Ybk. 1945: 22. 47.9 Ar4
- 16545 LADEWIG B., L., and HIDALGO B., E. Caponización de pollos. Unión Agr. del Sur 3(20): 60-62. Nov. 1945. 9.3 Un3
- 16546 LEARN to post-mortem. By "Mac." Poultry Farmer [Sydney] 13(8): 34-36, 38-39. Aug. 25, 1945. 280.28 Or32
- 16547 LEVINE, P. P. As the local expert, you should know about "Kid" Coccidiosis. Hatchery Tribune 20(2): 70-72. Feb. 1946. 47.8 H28
- 16548 LODGE, C. Check up on health. Poultry Farmer [London] 113(2948): 9. Dec. 21, 1945. 47.8 F312
- 16549 LUCAS, H. L., NORRIS, L. C., and HEUSER, G. F. The effect of gelatin on the antiperotic properties of choline, betaine and yeast. Poultry Sci. 25: 93-94. Jan. 1946. 47.8 Am33P
- 16550 MCGINNIS, J. The influence of gelatin on prevention of perosis in turkeys fed choline and betaine. Poultry Sci. 25: 91-92. Jan. 1946. 47.8 Am33P
- 16551 MATTIS, P. A., and others. An evaluation of the toxicity of certain sulfonamides for young chickens. Poultry Sci. 25: 59-64. Jan. 1946. 47.8 Am33P
- S. E. McKinney, E. A. Patch, and E. L. Williams, joint authors.
- 16552 MORCOS, Z. Fowl plague in Egypt; immunization; mouse neurotropic fixed virus. Vet. J. 102 (1): 3-11. Jan. 1946. Ref. 41.8 V643
- 16553 MORGAN, E. G. What this bloodtest does. Poultry Farmer [London] 114(2950): 9. Jan. 4, 1946. 47.8 F312
- Pullorum disease.
- 16554 O'NEIL, J. B. The effect of selection of chicks upon variability in growth data. Poultry Sci. 25: 69-73. Jan. 1946. 47.8 Am33P
- 16555 PAREK, M. The six-day disease of chicks. (In Hebrew.) Hassadeh 26: 109-110. Nov./Dec. 1945. 26 H27
- 16556 POULTRYMEN--beware! By "Rufus." Poultry Farmer [Sydney] 13(16): 23-26. Oct. 20, 1945. 280.28 Or32
- Worms in poultry.
- 16557 R. Favus (white comb). Poultry Farmer [Sydney] 12(48): 23. Apr. 28, 1945. 280.28 Or32
- 16558 R. Have flocks healthy. Poultry Farmer [Sydney] 13(12): 22-23. Sept. 22, 1945. 280.28 Or32
- Disease control.
- 16559 REINOSO, R. H. Parasitosis intestinal en las aves. Campo [Buenos Aires] 29(349): 54. Nov. 1945. 9 C15
- 16560 REMLINGER, P. Chromo-vaccination de la poule contre le choléra. Inst. Pasteur d'Algérie. Arch. 23: 176-177. Sept. 1945. 448.3 In7A
- 16561 ROBERTS, F. H. S. The diagnosis and treatment of parasitic diseases of poultry. Poultry Farmer [Sydney] 13(18): 35-40. Nov. 3, 1945. 280.28 Or32
- 16562 ROSCOE, C. Treatment for sudden duck ailments. Poultry [London] 98: 6. Jan. 1, 1946. 47.8 P869

- 16563 SALABARRIA Y DE AGUIAR, J. Notas sobre la tuberculosis en las aves. Cuba. Min. de Agr. Rev. 28(4): 91. Oct./Dec. 1945. 8 Ag88Re
- 16564 SANTOS, J. A. DOS. Enteró hepatitis dos perús. Agr. e Pecuária 16(268/269): 60-61. Aug./Sept. 1945. 9.2 Ag89
- 16565 SCHONBERG, A., and GHONAIM, A. Influence of different synthetic oestrogenic compounds on the egg-laying capacity and the growth of poultry. Nature [London] 157: 77-78. Jan. 19, 1946. Ref. 472 N21
- 16566 TAYLOR, M. W. Effective incubator fumigation. Poultry Farmer [Sydney] 12(42): 17-19. Mar. 17, 1945. 280.28 Or32
- To kill S. pullorum.
- 16567 TOMEY, A. F. Hay cure for colds. Poultry Farmer [London] 114(2950): 9. Jan. 4, 1946. 47.8 F312
- 16568 TUBERCULOSIS in hens. By "Rufus." Poultry Farmer [Sydney] 12(45): 22-23. Apr. 7, 1945.
- 16569 WATSON, E. L. G. Aspects of maternity in poultry. Country Life [London] 98: 1008. Dec. 7, 1945. 70 C23
- 16570 WHAT'S in a good head? By Domesticus. Mod. Poultry Keeping 53: 430. Dec. 12, 1945. 47.8 Eg3
- 16571 WHOSE responsibility? By "Rufus." Poultry Farmer [Sydney] 13(4): 13, 15. July 28, 1945. 280.28 Or32
- Breeder's responsibility for disease control.
- 16572 WITTER, J. F. What every poultryman should know about poultry disease control. New England Homestead 119(3): 18-19. Feb. 9, 1946. 6 N442

#### Miscellaneous

- 16573 ALEXANDER, A. K. S. Pullets for 1946. Farmer & Stock-Breeder 60(2934): 40. Jan. 1, 1946. 10 F228
- Purchase and care of chicks.
- 16574 ARDMORE, B. It's a bad egg. Canada Poultryman 33(1): 15-16. Jan. 1946. 47.8 C166
- 16575 BARE-BACK cockerels. By "Rufus." Poultry Farmer [Sydney] 12(40): 56. Mar. 3, 1945. 280.28 Or32
- 16576 BARLEY, H. D. On the general farm. Poultry World 77: 289. Dec. 14, 1945. 47.8 P8682
- 16577 BASTOS, H. M. Como vencer a avicultura industrial e seus problemas atuais. Chacaras e Quintais 72: 602-604. (Cont.) Nov. 15, 1945. 9.2 C34
- 16578 BENNION, N. L. It's the follow-through that counts; hatching eggs must be handled carefully from nest to incubator. Turkey World 21(2): 22-23, 80-81. Feb. 1946. 47.38 T84
- 16579 HERGEY, J. E. From four weeks to the range. Canad. Poultry Rev. 70(2): 6. Feb. 1946. 47.8 C16
- 16580 BERNARD, J. Influence de la sélection et du croisement dans l'amélioration de la ponte des volailles. Rev. Agr. de l'Afrique du Nord 43: 142-143. June 29, 1945. 80 R326
- General care.
- 16581 BLACKWELL, H. L. Pedigree work in slatted floor houses. Mod. Poultry Keeping 54: 9. Jan. 2, 1946. 47.8 Eg3
- Poultry raising using the colony and range system.
- 16582 BONNETT, G. Some things I have learned about turkey incubation. Turkey World 21(2): 34, 94, 96. Feb. 1946. 47.38 T84
- 16583 BOTSFORD, H. E. The \$64 chick question for '46. N. J. Farm and Gard. 17(2): 40-42. Feb. 1946. 6 G162
- 16584 BROODINESS. By "Rufus." Poultry Farmer [Sydney] 13(21): 29-30. Nov. 24, 1945. 280.28 Or32
- 16585 BROOMHEAD, W. W. Artificial rearing. Poultry [London] 98: 8. Jan. 1, 1946. 47.8 P869

- 16586 BROOMHEAD, W. W. Running an incubator. Poultry [London] 97: 392, 396. Dec. 18, 1945. 47.8 P869
- 16587 C., O. A. Starting baby chicks. Rural New-Yorker 105: 74. Jan. 19, 1946. 6 R88
- 16588 CARLSON, P. W. A message from Federal-State supervisor. Ark. Poultry Impr. Assoc. Ybk. 1945: 16. 47.9 Ar4  
National Poultry Improvement Plan.
- 16589 CHANSLER, W. S. Those first three weeks. Rural New-Yorker 105: 118. Feb. 2, 1946. 6 R88  
Chick brooding.
- 16590 CHARLES, T. B. Brooding and rearing in 1946. Rural New-Yorker 105: 85, 125. Feb. 2, 1946. 6 R88  
Stock and equipment.
- 16591 CHARLES, T. B. Improving hatchability. Rural New-Yorker 105: 69. Jan. 19, 1946. 6 R88
- 16592 CHISWELL, S. Running 500 birds single handed on half an acre. Poultry Farmer [London] 113(2948): 4. Dec. 21, 1945. 47.8 F312
- 16593 CLINTON, H. F. Care of poultry in hot weather. Victoria. Dept. Agr. J. 43: 511. Dec. 1945. 23 V665
- 16594 COLLINSON, H. Early-hatched pullets prove their worth. Smallholder 74(1868): 15. Jan. 4, 1946. 10 Sml
- 16595 COLLINSON, H. Every stage calls for drastic culling. Mod. Poultry Keeping 54: 8-9. Jan. 2, 1946. 47.8 Eg3
- 16596 COLLINSON, H. Litter danger. Mod. Poultry Keeping 53: 434. Dec. 12, 1945. 47.8 Eg3
- 16597 COLLINSON, H. Most useful time for trapping; the information given now by trap-nests is invaluable in my breeding. Smallholder 74(1870): 14. Jan. 18, 1946. 10 Sml
- 16598 CONSTITUTION. By "Rufus." Poultry Farmer [Sydney, 13(19): 22-23, 25. Nov. 10, 1945. 280.28 Or32  
Methods of judging good constitution in poultry.
- 16599 COPSEY, L. T. Keep them laying this winter. Poultry Farmer [London] 113(2949): 9. Dec. 28, 1945. 47.8 F312
- 16600 CROSBY, J. Poultry newcomer successful. Calif. Cult. 93: 82-83. Feb. 2, 1946. 6 C12
- 16601 DOSSIN, C. O. Miller uses factory methods to grow broilers; one man cares for 24,000 broilers in one building. Poultry Tribune 51(11): 15-16. Dec. 1945. 47.8 P8642
- 16602 EDWARDS, L. Guinea hen good mother. Family Herald and Weekly Star 76(50): 11. Dec. 1945. 7 F21
- 16603 EXERCISE. By "Rufus." Poultry Farmer [Sydney, 13(20): 21-24. Nov. 17, 1945. 280.28 Or32  
Value of exercise in poultry under present housing system.
- 16604 FERNANDEZ, G. M. Cómo aumentar la producción de huevos. Campo [Buenos Aires, 29(349): 55. Nov. 1945. 9 C15
- 16605 FLOREA, J. H. Reigles "bank" on broilers; they are a regular crop in a four year rotation. Poultry Tribune 52(2): 14, 50-53. Feb. 1946. 47.8 P8642
- 16606 FRASIER, F. W. Will they be layers when they grow up? Wash. Farmer 71, i. e. 81: 59. Feb. 7, 1946. 6 R191
- 16607 FRISCHKNECHT, C. How poultry improvement plans operate in 47 states. West. Farm Life 48(4): 28-29. Feb. 15, 1946. 6 R153
- 16608 FRISCHKNECHT, C. Salient features of the National Poultry and Turkey Improvement Plan. Utah Farmer 65(12): 24, 26. Feb. 10, 1946. 6 D45
- 16609 GILDOW, E. M. Guard those chicks to protect laying-house profits. Albers Egg Maker 22, i. e. 21(1): 5-6. Winter 1946. 47.8 ALL
- 16610 GLAZENER, E. W. More dollars from the turkey breeders. South. Planter 107(2): 23. Feb. 1946. 6 So89  
Use of artificial light to hasten maturity of turkeys.
- 16611 GORDON, M. D. Aids to egg-laying. Field 187: 109. Jan. 26, 1946. 10 F45  
Artificial illumination so that poultry will eat more.
- 16612 GORDON, M. D. Dangers of frostbite to poultry. Field 186: 687. Dec. 29, 1945. 10 F45
- 16613 GORDON, M. D. Keep your poultry warm and dry. Field 186: 660. Dec. 22, 1945. 10 F45
- 16614 GRANGE, C. We must brush up our ideas about poultry, incubation. Smallholder 74(1870): 14. Jan. 18, 1946. 10 Sml
- 16615 GUICHARD, A. Los cinco puntos esenciales para el buen éxito avícola. Cuba. Min. de Agr. Rev. 28(4): 89-90. Oct./Dec. 1945. 8 Ag88Re
- 16616 HADLINGTON, E. The future of turkey production. Agr. Gaz. N. S. Wales 56: 517-522. Nov. 1, 1945. 23 N472
- 16617 HADLINGTON, E. Heat wave [poultry] losses can be reduced. Farmer and Settler 40, i. e. 39 (43): 14. Nov. 23, 1945. 23 F226
- 16618 HALL, B. J. Culling methods discussed. Calif. Cult. 93: 84. Feb. 2, 1946. 6 C12  
Poultry.
- 16619 HALL, G. O. The artificial control of egg production. Poultry Sci. 25: 3-12. Jan. 1946. 47.8 Am33P
- 16620 HAMILTON, B. Raising ducks on the farm. Prog. Farmer, Tex. Ed. 61(3): 90-91. Mar. 1946. 6 T311
- 16621 HAYHURST, J. Free, on-the-spot advice service for poultry-farmers and smallholders. Smallholder 74(1869): 12-13. Jan. 11, 1946. 10 Sml  
On the Poultry Advisory Service of the British Ministry of Agriculture.
- 16622 HOW long does the moult take? By "Rufus." Poultry Farmer [Sydney, 13(1): 31-32. July 7, 1945. 280.28 Or32
- 16623 HOW to determine age. By "Rufus." Poultry Farmer [Sydney, 12(41): 32. Mar. 10, 1945. 280.28 Or32
- 16624 HOWES, H. After three months in the pens breeding birds should now handle "hard." Smallholder 74(1868): 14. Jan. 4, 1946. 10 Sml  
Culling.
- 16625 HUMPHREY, J. E. Browning raises them on Kentucky bluegrass. Turkey World 21(2): 26-27, 116-118. Feb. 1946. 47.38 T84  
Description of a turkey farm.
- 16626 INDICATION OF vigour. By "Rufus." Poultry Farmer [Sydney, 12(39): 8, 10-12. Feb. 24, 1945. 280.28 Or32  
Includes weight and shape.
- 16627 JONES, R. E. Hatching dates determine profit. New England Homestead 119(2): 26. Jan. 26, 1946. 6 N442
- 16628 JULL, M. A. How to reduce laying house mortality. Canada Poultryman 33(1): 21-22. Jan. 1946. 47.8 C166
- 16629 K., D. C. Lime in the floor litter. Rural New York 105: 170. Feb. 16, 1946. 6 R88
- 16630 KALMAN, M. R. The neglected goose. Gt. Brit. Min. Agr. Agriculture 52: 449-454. Jan. 1946. 10 G79J
- 16631 KAUFFMAN, H. H. How to stop predators [of turkeys]. Turkey World 21(2): 30, 111-115. Feb. 1946. 47.38 T84
- 16632 KING, D. F. What's the limit in layers? Prog. Farmer, Miss.-Ark.-La. Ed. 61(2): 83. Feb. 1946. 6 So81  
Description of California's egg laying tests.
- 16633 KLEIN, G. T. Modern methods with turkeys. Rural New-Yorker 105: 85, 128. Feb. 2, 1946. 6 R88
- 16634 KLEIN, G. T. One, two, or three hatches? Properly handled off-season pullets help swell poultry farm income. Poultry Tribune 52(2): 18, 47. Feb. 1946. 47.8 P8642



- 16635 KLEIN, J. Lay or die! Calif. Cult. 93: 54, 63. Jan. 19, 1946. 6 Cl2  
Culling for egg production.
- 16636 LODGE, C. Winter duck egg production. Poultry Farmer [London] 113(2949): 8. Dec. 28, 1945. 47.8 F312
- 16637 LONGEVITY. By "Rufus." Poultry Farmer [Sydney] 12(57): 29-30. June 30, 1945. 280.28 Or32
- 16638 MACKLIN, H. P. I covered the pigeon front—at home. Pigeon News 52(899): 9, 12. Feb. 1946. 47.8 P621
- 16639 MALAN, J. J. Treatment of chicks on free range. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 174, 2 p. Pretoria, 1945. 24 So82Pa
- 16640 MILSTEAD, E. This business of judging pigeons. Amer. Pigeon J. 34(11/12): 171. Nov./Dec 1945. (Beltsville Branch Libr.)
- 16641 MOORE, A. C. How egg size is influenced. Poultry [London] 98: 6. Jan. 1, 1946. 47.8 P869
- 16642 MORRIS, L. Dr. Lawrence Morris outlines good egg production needs. Wyo. Stockman-Farmer and Wyo. Indus. J. 52(2): 4. Feb. 1946. 6 W992  
Poultry care.
- 16643 NEWMAN, T. Idle birds look for trouble; the causes of cannibalism. Mod. Poultry Keeping 54: 11. Jan. 2, 1946. 47.8 Eg3
- 16644 OGLE, R. C. Good chix pay. Breeder's Gaz. 111(2): 45. Feb. 1946. 49 B74
- 16645 AN OLD-TIMER confesses. By "Ichabod." Poultry Farmer [Sydney] 13(11): 33-36. Sept. 15, 1945. 280.28 Or32  
Care of chicks under a brooder.
- 16646 THE older chicks. By "Rufus." Poultry Farmer [Sydney] 13(12): 32-33. Sept. 22, 1945. 280.28 Or32  
Care.
- 16647 P., A. J. Condition counts; when it is unsatisfactory, production suffers. Poultry World 73: 1. Jan. 4, 1946. 47.8 P8682  
Suggestions as to care.
- 16648 P., B. Give the chicks a break. Rural New-Yorker 105: 121. Feb. 2, 1946. 6 R88
- 16649 P., W. J. Where are the eggs? Reasons for delayed start in production. Poultry World 77: 317. Dec. 28, 1945. 47.8 P8682
- 16650 PARISH, A. J. Layers of freak eggs. Poultry World 78: 7. Jan. 4, 1946. 47.8 P8682
- 16651 PEDERICK, W. O. Turkey rearing. Victoria. Dept. Agr. J. 43: 468-470. Nov. 1945. 23 V66J  
Includes marketing.
- 16652 PERKINS, H. You've been without eggs for weeks? Poultry Farmer [London] 113(2948): 9. Dec. 21, 1945. 47.8 F312
- 16653 PICKING layers before they start. By "Mac." Poultry Farmer [Sydney] 12(46): 31. Apr. 14, 1945. 280.28 Or32  
Head type as an indication of laying ability.
- 16654 PLATT, C. S. Egg laying test record. Rural New-Yorker 105: 119. Feb. 2, 1946. 6 R88
- 16655 PLATT, C. S. What we are learning from the egg laying tests. N. J. Farm and Gard. 17(1): 38-40. Jan. 1946. 6 G162
- 16656 POLLARD, W. S. Poultry hatching. Ark. Farmer 48(1): 10. Jan. 1946. 6 Ar42
- 16657 POWELL-OWEN, W. Defects and deformities. Poultry World 77: 294. Dec. 14, 1945. 47.8 P8682  
Culling.
- 16658 POWELL-OWEN, W. Marked for attention; breeders of very high calibre stake a priority claim in all stages of reproduction. Poultry World 77: 320, 324. Dec. 28, 1945. 47.8 P8682
- 16659 PRALL, P. A. Avoid damp litter. Poultry World 78: 6. Jan. 4, 1946. 47.8 P8682
- 16660 PRALL, P. A. Cure the culprit of the causes that give rise to the objectionable habit of egg-eating. Poultry World 77: 321. Dec. 28, 1945. 47.8 P8682
- 16661 QUACKS. By "The Ducker." Poultry Farmer [Sydney] 13(15): 11. Oct. 13, 1945. 280.28 Or32  
Care of ducks.
- 16662 R. Eggs for hatching. Poultry Farmer [Sydney] 13(8): 31. Aug. 25, 1945. 280.28 Or32
- 16663 R. Floor litter. Poultry Farmer [Sydney] 13(15): 23. Oct. 13, 1945. 280.28 Or32
- 16664 R. For the beginner. Poultry Farmer [Sydney] 13(17): 13-14. Oct. 27, 1945. 280.28 Or32  
Poultry raising.
- 16665 R. Judging mixed colours. Poultry Farmer [Sydney] 12(48): 15. Apr. 28, 1945. 280.28 Or32
- 16666 R. Old hens. Poultry Farmer [Sydney] 12(46): 43. Apr. 14, 1945. 280.28 Or32
- 16667 R. Over the fence. Poultry Farmer [Sydney] 12(46): 28-29. Apr. 14, 1945. 280.28 Or32  
Wing clipping.
- 16668 R. Sit down strikes. Poultry Farmer [Sydney] 12(41): 14. Mar. 10, 1945. 280.28 Or32
- 16669 R. The work of the small breeder. Poultry Farmer [Sydney] 12(56): 41-42. June 23, 1945. 280.28 Or32  
In confined quarters.
- 16670 R., J. In the pigeon loft. Rural New-Yorker 105: 75. Jan. 19, 1946. 6 R88  
Hatching.
- 16671 RANDALL, W. Rearing goslings. Rural New-Yorker 105: 131. Feb. 2, 1946. 6 R88
- 16672 REITMAN, M. M. Hatchery efficiency means more and better poults. Turkey World 21(2): 24-25, 115-116. Feb. 1946. 47.38 T84
- 16673 RICE, J. E. A luz artificial na produção dos ovos. Agr. e Pecuaria 16(270): 2-4. Oct. 1945. 9.2 Ag89
- 16674 ROSCOE, C. Check up on these points when ducks won't start laying. Poultry [London] 97: 390. Dec. 18, 1945. 47.8 P869
- 16675 ROY, J. B. Les postes d'abattage de la volaille. B. des Agr. 42(2): 13-15. Feb. 1946. 7 B872  
Cooperative poultry abattoirs in Quebec.
- 16676 S., A. Raising broilers for market. Rural New-Yorker 105: 132. Feb. 2, 1946. 6 R88
- 16677 S., M. L. Running geese on a 3/4-acre holding. Smallholder 74(1868): 12. Jan. 4, 1946. 10 Sm1
- 16678 SÁNCHEZ IBÁÑEZ, P. Mejoramiento de la avicultura casera en Chiloe; para una mayor variación en la alimentación de la isla. Agrario 10(367): 3, 14. Aug. 31, 1945. 9.3 Ag85
- 16679 SCHNETZLER, E. E. A short period for obtaining R. O. P. egg weights. Poultry Sci. 25: 28-32. Jan. 1946. 47.8 Am33P
- 16680 SCHOLES, J. C. Management on the modern duck farm. Rural New-Yorker 105: 124. Feb. 2, 1946. 6 R88
- 16681 SEQUEIRA, O. DE. A faculdade de orientação dos pombos. Chacaras e Quintais 72: 559-562. Nov. 15, 1945. 9.2 C34
- 16682 SEVERSON, H. Pioneer turkey raiser. South. Agr. 76(2): 40-41. Feb. 1946. 6 So83
- 16683 SEVERSON, J. H. Huffmans pioneered turkeys in southern cotton country. Turkey World 21(2): 20-21, 124-128. Feb. 1946. 47.38 T84  
Description of a turkey farm.
- 16684 THE SHOW season. By "Mac." Poultry Farmer [Sydney] 12(46): 12-14. Apr. 14, 1945. 280.28 Or32
- 16685 SODERBERG, P. M. Ready for hatching? Poultry Farmer [London] 113(2948): 113. Dec. 21, 1945. 47.8 F312  
Cleaning and disinfecting of incubators.
- 16686 SODERBERG, P. M. You can't fight on a tightrope. Poultry Farmer [London] 114(2950): 9. Jan. 4, 1946. 47.8 F312  
Control of vices.

16687 SPECIALISED farming; VI. Turkeys. North. Ireland. Min. Agr. Monthly Rpt. 20: 261-263. Jan. 1946. 256.13 Ag82M  
Turkey raising.

16688 SUTTON, J. Pedigree men are type conscious. Poultry World 77: 293-294. Dec. 14, 1945. 47.8 P8682

16689 THOMPSON, W. C. Hatching chicks on the farm. Rural New-Yorker 105: 83, 128. Feb. 2, 1946. 6 R88

Costs; incubators.

16690 THOSE go-slow chicks. By "Rufus." Poultry Farmer [Sydney, 13(17): 15-16. Oct. 27, 1945. 280.28 Or32

Chick rearing.

16691 THOSE late moulters. By "Jumbo." Poultry Farmer [Sydney, 12(57): 14-15. June 30, 1945. 280.28 Or32

16692 TOMEY, A. F. Night lighting. Poultry Farmer [London] 113(2948): 8. Dec. 21, 1945. 47.8 F312

16693 TRENT, J. C. Science and poultry production. Field 186: 679. Dec. 20, 1945. 10 F45

16694 TWO EXPERTS consider the culling question. Smallholder 74(1867): 12. Dec. 28, 1945. 10 Sml  
Year-end cull is called for, by H. Howes; Poor birds eat the profits; by C. Grange.

16695 U., C. A. Hatching and breeding turkeys. Rural New-Yorker 105: 72. Jan. 19, 1946. 6 R88  
Care.

16696 WALFORD, S. M. Management practices necessary. New England Homestead 119(3): 26-27, 38. Feb. 9, 1946. 6 N442

In poultry hatcheries.

16697 WARNER. Common sense methods of brooding and managing of chicks and pullets advised. Utah Farmer 65(10): 20. (Concl.) Jan. 10, 1946. 6 D45

16698 WARNER, W. H. Care of turkey hatching eggs. Norbest Turkey News 10(7, i. e. 6): 1, 2-3. Jan. 1946. 47.38 N75

16699 WHY not some geese? A profitable sideline? By "Mac." Poultry Farmer [Sydney, 13(8): 60-64. Aug. 25, 1945. 280.28 Or32  
Breeds and care.

16700 WILD birds. By "Rufus." Poultry Farmer [Sydney, 13(8): 87-88. Aug. 25, 1945. 280.28 Or32  
As pests in poultry keeping.

16701 YEARNING hens are better. By "Rufus." Poultry Farmer [Sydney, 12(52): 31-32. May 26, 1945. 280.28 Or32

Laying ability.

16702 YITZHAKI, E. On crowded chicken coops. (In Hebrew.) Hassadeh 26: 110-111. Nov./Dec. 1945. 26 H27

## RABBITS

### Breeds and Breeding

16703 ABRAMS, L. E. Breeder education. Internatl. Com. Rabbit J. 3(27): 15-17. Jan. 1946. 40.28 In8

Angora breeders.

16704 ABRAMS, L. E. What the Federation of American Angora Breeders is not. Internatl. Com. Rabbit J. 3(27): 73-75. Jan. 1946. 40.28 In8

16705 BLAKE, R. Scope in Argentes; three more varieties of the breed to know. Poultry World 77: 297. Dec. 14, 1945. 47.8 P8682

16706 GRAEGY, R. A. Angoras, the opportunity they offer you. Internatl. Com. Rabbit J. 3(27): 25-26. Jan. 1946. 40.28 In8

16707 HERZIG, H. B. Chinchilla weights. Internatl. Com. Rabbit J. 3(27): 37-38. Jan. 1946. 40.28 In8

16708 MARROW, L. My second year [of Angora breeding]. Internatl. Com. Rabbit J. 3(27): 21-22. Jan. 1946. 40.28 In8

16709 MINER, L. B. Chinchillas and why I breed them. Internatl. Com. Rabbit J. 3(27): 35. Jan. 1946. 40.28 In8

16710 PATWORTH, D. Hints on breeding rabbits in winter. Poultry [London] 97: 393. Dec. 18, 1945. 47.8 P869

16711 PRICE, J. A. Well, here it is, the kind of rabbit association you always wished for. Internatl. Com. Rabbit J. 3(27): 9-13. Jan. 1946. 40.28 In8

Federation of American Angora Breeders reorganized as breeder owned cooperative.

16712 STAUFFER, M. It takes courage. Internatl. Com. Rabbit J. 3(27): 69-70. Jan. 1946. 40.28 In8

Experiences in Angora breeding.

16713 STEVENS, H. Winter mating season. Internatl. Com. Rabbit J. 3(27): 39-40. Jan. 1946. 40.28 In8

16714 STOUT, R. P. Blue Rex. Internatl. Com. Rabbit J. 3(27): 30. Jan. 1946. 40.28 In8

### Feeds and Feeding

16715 DUNNICLIFFE, A. W. Feeding Angoras for  $\frac{1}{2}$  per day. Internatl. Com. Rabbit J. 3(27): 29-30. Jan. 1946. 40.28 In8

### Miscellaneous

16716 BARLOW, B. Suggestions from a reader [on care and breeding]. Internatl. Com. Rabbit J. 3(27): 71-72. Jan. 1946. 40.28 In8

16717 COUCH, V. M. Raising large litters. Internatl. Com. Rabbit J. 3(27): 63. Jan. 1946. 40.28 In8

16718 PATWORTH, D. Cleaning and disinfecting hutches. Poultry [London] 98: 9. Jan. 1, 1946. 47.8 P869

16719 PATWORTH, D. South America develops rabbits. Poultry [London, 97: 409. Dec. 25, 1945. 47.8 P869

16720 PIERNAVEJA, J. Cunicultura. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(14): 14-15. May 1945. 15 Spl2

16721 SNOW, C. F. Speed-up for slow moulting rabbits. Smallholder 74(1871): 20. Jan. 25, 1946. 10 Sml

## SHEEP AND GOATS

### Breeds and Breeding

16722 BRODIE, P. Flock ram production; key to the industry's prosperity. Merino Breeders' J. 7(4): 15-16. Nov. 1945. 45.8 So8

Text also in Afrikaans.

16723 HAAK, J. O. La raza Corriedale. Agr. Venezol. 10(111): 42-43. July-Nov. 1945. 9.95 Ag8

16724 HARARI, A. Sheep-breeding in the present season. (In Hebrew.) Hassadeh 26: 102-105. Nov./Dec. 1945. 26 H27

16725 LARREA, I. A. Contribución al estudio de la inseminación artificial de ovinos. Cám. Merc. de Prod. del País, Montevideo. Rev. Semanal 51(46): 6, 8, 11. (Cont.) Nov. 23, 1945. 287 Ur82

16726 LE ROUX, J. K. Merino genetics; preliminary evidence of practical value to breeders. Merino Breeders' J. 7(4): 12-14. Nov. 1945. 45.8 So8

Text also in Afrikaans.

16727 WHEELER, A. L. Progeny testing. Recording the individual ewe. Past. Rev. 55: 843-846. (Concl.) Nov. 16, 1945. 23 An75

16728 YOHE, R. S. The Ramouillet [sic] is challenged. Sheep and Goat Raiser 26(5): 20. Feb. 1946. 45.8 Sh3



Feeds and Feeding

- 16729 BESUDEN, H. C. Sheep sense. Sheepman 16: 351. Feb. 1946. 45.8 Sh32  
Care and feeding.
- 16730 BOWMAN, H. O. Goats now climb the "Enchanted Rock." Sheep and Goat Raiser 26(5): 40-41. Feb. 1946. 45.8 Sh3  
Curious formation included in Llano Co., Tex., range.
- 16731 CONKLIN, I. Your dry doe needs special attention. Dairy Goat J. 24(1): 4-5. Jan. 1946. 40.18 M592  
Feeding.
- 16732 H., N. On sheep grazing in vineyards. (In Hebrew.) Hassadeh 26: 105. Nov./Dec. 1945. 26 H27
- 16733 JOHNSTON, A. Producing lambs and wool on range. Natl. Live Stock Prod. 24(5): 4, 14. (To be cont.) Feb. 1946. 280.38 N21
- 16734 LEVECK, H. H. Winter grazing, hay, concentrates for the ewe flock. Miss. Farm Res. [Miss. Sta.] 8(11): 7. Nov. 1945. 100 M69M1
- 16735 PHILLIPS, H. C., and SCOTT, G. A. Sheep and lambs on feed 2% less than year ago. Calif. Wool Grower 22(4): 3. Jan. 22, 1946. 45.8 C12
- 16736 RECORD, P. R. Feed for sheep. Natl. Grain J. 30(1): 10-11. Dec. 1945. 298.8 C83
- 16737 RECORD, P. R. Successful feeding of sheep and goats. Farmers Guide 102(2): 21. Jan. 15, 1946. 6 In2
- 16738 THOMPSON, J. C. Experimental feeding requires much attention. Dairy Goat J. 24(1): 10. Jan. 1946. 40.18 M592
- 16739 WATKINS, W. E. Need for mineral supplement studied. Sheep and Goat Raiser 26(5): 18. Feb. 1946. 45.8 Sh3

Veterinary Medicine

- 16740 BACIGALUPO, J. Extirpacion de la Fasciola hepatica (babosa común). Rev. Canad. [Habana] 5(9/10): 29-30. Sept./Oct. 1945. 49 R321  
In sheep.
- 16741 BARCROFT, J., and BARRON, D. H. Blood pressure and pulse rate in the foetal sheep. J. Expt. Biol. 22: 63-74. Dec. 1945. 442.8 B77
- 16742 DANIELLI, J. F., and others. The mechanism of absorption from the rumen [of sheep] as exemplified by the behaviour of acetic, propionic and butyric acids. J. Expt. Biol. 22: 75-84. Dec. 1945. 442.8 B77  
M. W. S. Hitchcock, R. A. Marshall, and A. T. Philipson, joint authors.
- 16743 DUCK, R. W. Healthy ewes for healthy lambs. Rural New-Yorker 105: 62. Jan. 19, 1946. 6 R88  
Discusses pregnancy disease, uterine prolapse, and stiff lamb disease.
- 16744 DYKSTRA, R. R. Sheep diseases the world over. Sheep and Goat Raiser 26(4): 13, 36-37. Jan. 1946. 45.8 Sh3  
A summary of current literature.
- 16745 ELSDEN, S. R. The fermentation of carbohydrates in the rumen of the sheep. J. Expt. Biol. 22: 51-62. Dec. 1945. 442.8 B77
- 16746 GORMIE, C. J. R. Clover blamed for breeding trouble in ewes. Stock and Land 35(49): 3, 22. Dec. 5, 1945. 49 St63  
Subterranean clover poisoning.
- 16747 HULL, F. E. Diseases of sheep. (Abs.) Vet. Med. 41: 53-55. Feb. 1946. 41.8 M69
- 16748 KETCHAM, D. R. Stomach worms in sheep. Pacific Rural Press, North. Ed. 151: 73. Jan. 19, 1946. 6 P112
- 16749 KORNIENKO, Z. P., and FEDOROV, S. V. Lechenie novoplazminom (LP<sub>1</sub>) gemosporidiazov ovet [Treatment of Haemosporidia in sheep with "novoplazmin" (LP<sub>1</sub>)]. Veterinarifa 24(4/5): 30-31. Apr./May 1945. 41.8 V6426

- 16750 LAMOND, H. G. The creeping death. Past. Rev. 55: 935-936. Dec. 15, 1945. 23 Au75  
Fluorosis in sheep.
- 16751 LUCAM, F. Recherches sur une maladie du mouton vulgairement appelée "bouhite." Acad. Vét. de France. B. 13: 114-128. Apr. 1945. 41.9 R24  
An unidentified disease of sheep for which malignant pulmonary lymphomatosis is the proposed name, although it is similar to lung disease.
- 16752 MARTIN, N. A. Caseous lymphadenitis in sheep; again! Meat Trades' J. 128: 141. Jan. 31, 1946. 50.8 M46
- 16753 MEYER, L. Sheep growers must vaccinate for sore-mouth in order to insure repeat orders for lambs. N. Mex. Stockman 11(1): 28, 85. Jan. 1946. 49 N462
- 16754 MOULE, G. R. Tetanus, arthritis and blow-fly strike in marked lambs. Queensland Agr. J. 61: 275-279. Nov. 1945. 23 Q33
- 16755 OGDEN, MRS. G. Experiences of a shepherd-ess. Sheep Breeder 66(2): 20-21. Feb. 1946. 45.8 Am31  
Obstetrical and medical notes.
- 16756 PALMEIRO, J. M. Nótula acerca da identificação da agalaxia contagiosa dos caprinos, no país. Rev. de Med. Vet. [Lisboa] 40: 244-246. July/Sept. 1945. 41.8 R3215
- 16757 RAO, B. W. Caprine contagious pleuropneumonia. Indian Vet. J. 22: 194-195. Nov. 1945. 41.8 In2
- 16758 SARWAR, M. M. Two new records and a new species of the genus trichuris from domestic ruminants. Cur. Sci. 14: 306-307. Nov. 1945. 475 Sci23  
In sheep and goats.
- 16759 SNEEL, T. Prosperity ahead for sheep growers who practice sound ranch management and safeguard health of the flock. N. Mex. Stockman 11(1): 10, 12, 86-87. Jan. 1946. 49 N462  
Mainly about diseases and parasites of sheep.

Miscellaneous

- 16760 ASHTON, J. Ewes average 12 pounds at a shearing. Prog. Farmer, Tex. Ed. 61(2): 16. Feb. 1946. 6 T311  
Description of a sheep ranch.
- 16761 ASHTON, J. San Angelo, where wool is king. Prog. Farmer, Tex. Ed. 61(3): 17, 78. Mar. 1946. 6 T311
- 16762 C., D. Taking care of goats. Rural New-Yorker 105: 77. Jan. 19, 1946. 6 R88
- 16763 CAUBLE, E. G., JR. Some observations of show ring practices. Sheep and Goat Raiser 26(4): 30, 32. Jan. 1946. 45.8 Sh3
- 16764 COVER, E. M. Silverbell Dairy Farm is operating. Dairy Goat J. 24(1): 9. Jan. 1946. 40.18 M592
- 16765 DUNN, A. B. Sheep are funny that way. Breeder's Gaz. 111(2): 18-19. Feb. 1946. 49 B74
- 16766 KOLLER, J. Silver lining in the sheep business; Otto Wolff has his own methods of management. Westerner 9(1): 15, 40-44. Feb. 1946. 49 W522
- 16767 LAPE, F. How to save lambs. Rural New Yorker 105: 158, 166. Feb. 16, 1946. 6 R88
- 16768 LLOYD, E. W. Our sheep; flockmasters have played their part. Field 186: 686. Dec. 29, 1945. 10 F45
- 16769 MAHER, C. The goat: friend or foe? East African Agr. J. 11: 115-121. Oct. 1945. Ref. 24 Ea74
- 16770 MATAJANA VENTURA, S. Consideraciones sobre los sistemas de esquila. Spain. Min. de Agr. Secc. de Pub. y Propag. Hojas Divulgadoras 37(23): 1-12. July 1945. 15 H68
- 16771 MENDEZ PLASENCIA, V. Notas sobre la cabra desde un punto de vista económico y social. Cuba. Min. de Agr. Rev. 28(4): 41-43. Oct./Dec. 1945. 8 Ag88Re

16772 PEPLER, A. J. Let's get down to tin-tacks! Show awards that would have real significance. Merino Breeders' J. 7(4): 8-11. Nov. 1945. 45.8 So8

Text also in Afrikaans.

16773 SHANNON, A. T. Fat lamb production; a Waikato farmer's methods. New Zeal. J. Agr. 71: 601-607. Dec. 15, 1945. 23 N48J

16774 TEXAS SHEEP & GOAT RAISERS' ASSOCIATION. Official minutes, thirtieth annual convention, San Antonio, Texas, Dec. 10 and 11, 1945. Sheep and Goat Raiser 26(4): 10-11, 12. Jan. 1946. 45.8 Sh3

16775 WIGHTMAN, R. Good shepherding, more lambs. Farmer & Stock-Breeder 60: 76. Jan. 8, 1946. 10 F228

Care of the ewes.

## SWINE

### Breeds and Breeding

16776 BALDRIDGE, H. The herd boar is king! Seven axioms for guidance in developing a real herd boar. Hereford Swine J. 6(1): 10, 28. Jan. 1946. 46.8 H42

16777 BROWN, R. To the beginning OIC breeder. OIC News 12(2): 17. Feb. 1946. 46.8 O11

16778 CALLAHAN, F. Golden Design. Chester White J. 36(1): 3. Jan. 1946. 46.8 W582  
An outstanding Chester White barrow.

16779 CHERTOV, P. Breiitovskie svin'i [Breiitovsk swine]. Sotsialist. Sel'sk. Khoz. 16(6): 58-61. June 1945. 281.8 So73

Breeding.

16780 COFFEY, J. S. Buy a sow, build a herd; put bacon back on the breakfast table. Breeder's Gaz. 111(2): 12, 36. Feb. 1946. 49 B74

16781 COFFEY, J. S. The market type question again. Berkshire News 3(11): 11, 94-95. Jan. 1946. 46.8 B454

16782 DIEMLER, A. H. Buy quality please for your sake and the good of the breed. OIC News 12(2): 30. Feb. 1946. 46.8 O11

16783 DOWNEY, L. A. White colour dominance in pigs. Victoria. Dept. Agr. J. 43: 510. Dec. 1945. 23 V665

16784 HOLLE, O. Carload lot at Chicago show. Chester White J. 36(1): 6. Jan. 1946. 46.8 W582  
Description of a breeding project.

16785 KINNEY, P. M. \$10,000 from one sow. Breeder's Gaz. 111(2): 7, 32. Feb. 1946. 49 B74

16786 NICKEL, C. H. Hogs must grow. Berkshire News 3(11): 85-86. Jan. 1946. 46.8 B454  
In regard to selection for breeding.

16787 OIC SWINE BREEDERS' ASSOCIATION, INC. By-laws adopted at annual meeting, Nov. 14, 1945 at Mansfield, Ohio. OIC News 12(2): 48-52, 54. Feb. 1946. 46.8 O11

16788 PEIRSON, H. M. The origin of pig breeds. New Zeal. J. Agr. 71: 391, 393-394. Oct. 1945. 23 N48J

16789 SHIRER, R. W. Acreage Farm began in 1933 with an \$18 investment; now one of the top Spotted Poland China herds in the South. Hog Breeder 21(3, 1. e. 2): 80, 82. Feb. 1946. 46.8 H672

16790 WILLIAMS, W. C. Poland Chinas. Poland China World 33(1): 15. Feb. 1946. 46.8 Sw62

### Feeds and Feeding

16791 ARAGON LEIVA, P. Alimentación de los cerdos. Rancho 2(3): 7-9, 38. Jan. 1946. 8 R15R

16792 BOSTOCK, F. The feeding of pigs. Queensland Agr. J. 61: 286-306. Nov. 1945. 25 Q53

16793 CONNELL, W. E., and ESPLIN, A. L. Cooked potato silage gives good results in pig-feeding experiment. Colo. Farm B. [Colo. Sta.] 7(6): 14. Nov./Dec. 1945. 100 C71S

16794 CRAMPTON, E. W., and ASHTON, G. C. The effects of a vitamin B mixture, of level of protein, and of proportion of protein of animal origin in the supplements to barley and to wheat in the bacon hog ration. Sci. Agr. 26: 43-49. Jan. 1946. 7 Sci2

16795 CRAMPTON, E. W., and ASHTON, G. C. The relative antirachitic potency of irradiated ergosterol (D<sub>2</sub>) and irradiated 7-dehydrocholesterol (D<sub>3</sub>) for growing pigs. Sci. Agr. 26: 16-24. Jan. 1946. Ref. 7 Sci2

16796 CUNHA, T. J. Vitamins - latest information on swine requirements. West. Livestock J. 24 (12): 130-133. Jan. 1946. 6 F2278

16797 DOWNEY, L. A. Creeps for supplementary feeding of sucking pigs. Victoria. Dept. Agr. J. 43: 466. Nov. 1945. 23 V66J

16798 FLEMING, W. S. Whey for pig-feeding. Tasmanian J. Agr. 16(1): 20-21. Feb. 1, 1945. 23 T182T

16799 KRIDER, J. L. Developments in swine nutrition. Flour & Feed 46(8): 44-47. Jan. 1946. 298.8 F66

16800 MACEWAN, G. Care of brood sow important during winter; affects litter. West. Prod. 23(22): 9. Jan. 24, 1946. 7 W523  
Feeding.

16801 OGDEN, A. C. A few do's and don't's in feeding brood sows. OIC News 12(2): 70. Feb. 1946. 46.8 O11

16802 PECK, L. Vegetable protein in the swine ration. (Abs.) Vet. Med. 41: 51-52. Feb. 1946. 41.8 M69

16803 SHERHY, E. J. The animal on the farm. No. 33. Pig production. Environment and food utilisation. Agr. Ireland 3: 149-151, 159. Jan. 1946. 10.5 Ag8

### Veterinary Medicine

16804 CACERTS MARTÍNEZ, A. R. Pediculosis o parasitismo del cerdo. Cuba. Min. de Agr. Rev. 28(4): 92-96. Oct./Dec. 1945. 8 Ag88Re

16805 HANSEN, P. Three important worm parasites of pigs. Farmer and Settler 40, 1. e. 39(44): 5. Nov. 30, 1945. 23 F226

16806 KÖNIG, V. L., and HOGNESS, K. R. Electrochoretic analysis of swine plasma and serum. Arch. Biochem. 9: 119-128. Jan. 1946. Ref. 381 Ar2

16807 MOREIRA, J. A importância do lixo e resíduos alimentares na disseminação da peste suína em São Paulo. Biológico 11: 259-265. Oct. 1945. 442.8 B529

16808 REMLINGER, P. Chromo-vaccination du rouget du porc. Inst. Pasteur d'Algérie. Arch. 23: 178-179. Sept. 1945. 448.3 In7A

16809 RODRÍQUEZ M., R. La triquinosis y su control. Agrario 10(369): 27. Oct. 15, 1945. 9.3 Ag85

In swine and man.

16810 TAGLE V., I. Cisticercosis del cerdo. Agrario 10(369): 27, 30. Oct. 15, 1945. 9.3 Ag85

### Miscellaneous

16811 ATHANASSOF, N. Criação de suínos. São Paulo. Sec. da Agr., Indús. e Com. B. de Agr. (ser. 44) 1943: 332-345. 1945. 9.2 Sa63

16812 BAY, O. U. Triple threat to the poor house; father, son and purebreds. Hog Breeder 21 (3, 1. e. 2): 20. Feb. 1946. 46.8 H672  
Description of a swine farm project.

16813 BEESON, W. M. Three ways to the right kind of hog. West. Livestock J. 24(12): 134-136. Jan. 1946. 6 F2278

Concerning records and testing.

16814 COSTA RICA. COMITÉ DE COORDINACIÓN. La cría de ganado cerdoso, una empresa fácil y retributiva. Rev. de Agr. [San José, 17: 589-592. Dec. 1945. 8 Es1



16815 DELCAMP, J. Good housing, care and feeding pays. OIC News 12(2): 15. Feb. 1946. 46.8 O11

16816 DURBIN, P. \$2500 from Berks on one and one half acres. Berkshire News 3(11): 91-93. Jan. 1946. 46.8 B454

Care and management.

16817 EVERETT, H. Litter identification. OIC News 12(2): 17. Feb. 1946. 46.8 O11

16818 GRUMER, R. H. Faster fitting for market hogs. Berkshire News 11(4): 7, 58. Feb. 1946. 46.8 B454

Through care.

16819 HOLDERBY, O. L. Oklahoma needs more hogs. Hog Breeder 21(3, i. e. 2): 81-83. Feb. 1946. 46.8 H672

16820 MCCUNE, L. H. Hog raising in California. OIC News 12(2): 28. Feb. 1946. 46.8 O11

16821 MITCHELL, C. W. What about fairs? Do existing or recommended age classifications meet the needs of the Berkshire breed today? Berkshire News 11(4): 9-10. Feb. 1946. 46.8 B454

16822 P., R. Giving Bonhams a good start in life. Farmers' Gaz. [Dublin] 103, i. 3. 104: 748. Dec. 15, 1945. 10 F221

Care of swine.

16823 FLAHER, W. The value of pictures. Berkshire News 3(11): 87-89. Jan. 1946. 46.8 B454

16824 RUSSELL, H. Showing barrows is good business. Berkshire News 11(4): 52, 54. Feb. 1946. 46.8 B454

16825 VAN DER MERWE, H. J. Pig farming. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 177, 2 p. Pretoria, 1945. 24 So82Pa

16826 WEAVER, L. A. Why swine sanitation pays. Berkshire News 11(4): 6-7. Feb. 1946. 46.8 B454

## ENTOMOLOGY

### GENERAL

16827 BENNINGTON, J. A. Nature subjects for the camera in and around the garden. Field 186: 544. Nov. 24, 1945. 10 F45

Photographs of insects with accompanying text.

16828 CLASSIFICATION of insects. Pest Control and Sanit. 1(1): 18-19. Jan. 1946. 421 P432

Table of orders listing number of species, etc.

16829 DENNELL, R. Recent developments in the study of the insect cuticle. Roy. Col. Sci., London. Sci. J. 15: 92-98. 1945. 501 L8484

16830 FORBES, W. T. M. How big is a group? Ent. News 56: 279. Dec. 1945. 421 En88

Insect classification.

16831 FROST, S. W. Teaching entomology. Pa. Acad. Sci. Proc. (1945) 19: 30-33. 500 P383

16832 HAYES, W. P. Taxonomic type names and identification terms used for immature insects. Brooklyn Ent. Soc. B. (n. s.) 40: 123-127. Oct. 1945. 420 B79

16833 HEADSTROM, R. Where insects go in the winter. Organic Gard. Ser. 8(3): 10-13. Feb. 1946. 56.8 Or3

16834 HENSON, H. The theoretical aspect of insect metamorphosis. Cambridge Phil. Soc. Biol. Rev. 21(1): 1-14. Jan. 1946. Ref. 442.9 C14

16835 KNOWLTON, G. F. Insects of Lupinus. Brooklyn Ent. Soc. B. (n. s.) 40: 110. Oct. 1945. 420 B79

Anoplodera instabilis, Macrosiphum albifrons.

16836 LEHAIE, H. DE. Quelques observations de mimétisme. Nat. de Mons et du Borinage. B. Mens. 22: 36-38. 1944/1945. 410.9 N212

Describes insects observed.

16837 LEVI, H. W. Preservation of biological specimens with Clarite X. Science 103: 175. Feb. 8, 1946. 470 Sci2

16838 MARANHÃO, Z. C. Nomes vulgares ingleses de insetos. Rev. de Agr. [Piracicaba] 20: 378-384. (Cont.) Sept./Dec. 1945. 9.2 R324

16839 RAU, P. Entomological trivialities. IV. Brooklyn Ent. Soc. B. (n. s.) 40: 119-120. Oct. 1945. 420 B79

Insects and will-making. Insects and poetry.

16840 RAYMENT, T. Insect surgery. Walkabout 12(2): 12. Dec. 1945. 331.8 W15

Anatomical knowledge shown by insects.

16841 ZARCO, E. Notas sobre una excursión entomológica al Pirineo. Eos 20: 435-440. Feb. 20, 1945. 421 Eo7

### GENERAL - ECONOMIC

16842 ALDEN, C. H. Annual report, Department of Entomology, 1944/1945. Ga. Dept. Ent. B. 87, 15 p. Atlanta, 1945. 423 G29

16843 ALVAREZ FALLER, F. J. Los insectos del olivo en el Estado de California. Mex. Dir. Gen. del Com. Ext. y del Serv. Cons. Rev. del Com. Ext. 10(11): 8-11. Nov. 1945. 286.8 M575

Seissetia oleae, Aspidiotus hederarum, Polycarpon confertus, and Luperisinus californicus.

16844 BACON, R. W. Size of mesh, not shape, is the important factor in insect wire screening. Calif. Lumber Merchant 24(15): 14. Feb. 1, 1946. 99.31 C12

16845 BECKWITH, C. S. The insects of the cultivated blueberry. N. J. Dept. Agr. C. 356, p. 43-51. June 1945. 2 N46C

16846 BISHOPP, F. C. Status of DDT in insect control; exhaustive tests to which product has been subjected fully explained and recommendations made for its use. Canning Trade 68(30): 7-8, 20. Feb. 18, 1946. 286.83 T67

16847 BLAUVELT, W. R. DDT for florist crops. N. Y. Agr. Col. Ext. (Cornell). Facts for Florists, 1945, p. 1. 275.29 N28Faf

16848 BODMER, H. Les culture d'essais de la maison Dr R. Maag. Rev. Hort. Suisse 18: 183-186. Sept. 1945. 80 R3212

Garden for testing insecticides.

16849 BORDEN, A. D. DDT for deciduous [fruit trees]. Pacific Rural Press, North. Ed. 150: 405, 407. Dec. 22, 1945. 6 P112

16850 BOUVIER, G. Notes de parasitologie. Schweiz. Arch. f. Tierheilk. 87: 505-511. Dec. 1945. 41.8 Sch9

Sarcoptic mange; Trombicula autumnalis; Lice; Anthracosis congolensis.

16851 BOYCE, A. M. DDT symposium. Calif. Citrog. 31: 113, 126-127. Feb. 1946. 80 C125

A series of short reports by various investigators on use in controlling pests of citrus.

16852 BRAZELTON, J. S. We will have new pests. Mo. Ruralist 87(3): 25. Feb. 9, 1946. 6 RB891

16853 BROMLEY, S. W. DDT to control shade tree pests. Horticulture 24: 61. Feb. 1, 1946. 80 H787

16854 BROWN, A. C. Air traffic increases threat of foreign pests; foreign aircraft landing on Florida fields totaled 17,398 in 1944-45 season. Citrus Mag. 8(5): 14. Jan. 1946. 80 C495

16855 BURN, J. L. New remedies in disinfection. Roy. Sanit. Inst. J. 66: 19-24. Jan. 1946. 449.9 R812

16856 BUKTORF, A. Neue insektizide in der veterinarmedizin. Schweiz. Arch. f. Tierheilk. 87: 511-523. Dec. 1945. Ref. 41.8 Sch9

16857 CAMPBELL, G. A., HYMAS, F. C., and WEST, T. F. Efficacy of D. D. T. in soap for animal parasites. Nature [London] 156: 749. Dec. 22, 1945. 472 N21

- 16858 COTTON, R. T., and FRANKENFELD, J. C. Magnesium oxide as seed insecticide. Grain and Feed J. Consolidated 46: 33. Jan. 9, 1946. 298.8 G762
- 16859 CUNNINGHAM, G. H. Scientific tests with insecticides; research workers report on treatment of glasshouse soils. Seed and Nursery Trader 43(12): 12. Dec. 20, 1945. 80 Au72
- 16860 CURRAN, C. H. How DDT really works; wonder insecticide has limits, and you had better know them. Pop. Sci. Monthly 148(2): 71-74. Feb. 1946. 470 P81
- 16861 DDT SYMPOSIUM. Allied Vet. 17(1): 11-12. Jan./Feb. 1946. 41.8 AL5
- 16862 DESHUSSES, J., and DESHUSSES, L. Toxicité des insecticides chez l'homme et les animaux à sang chaud. Rev. Hort. Suisse 18: 223-230. Nov. 1945. 80 R3212
- 16863 FISHER, E. H. Keep your plant free of insects; how to prepare DDT for using around the plant. Food Packer 27(2): 49-50, 56. Feb. 1946. 286.83 C165  
Includes toxicity.
- 16864 FREUND, S. The danger of "cattle-dip." (In Hebrew.) Hassadeh 26: 98-99. Nov./Dec. 1945. 26 H27
- 16865 GEMIGNANI, E. V. Amigos y enemigos. Bolsa de Com., Rosario. Rev. 33(814): 11-12, 14-15. Dec. 15, 1945. 287 R71  
Gnorimoschema operculella, Dermotobia hominis, Aeschna bonaerensis, and Ranatra annulipes.
- 16866 GONZÁLEZ BAUTISTA, L. A. Plagas y enfermedades del tabaco. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(51): 27-31. Nov. 1945. 8 R3291  
Chiefly insect pests.
- 16867 HABER, V. R. Insects in relation to public health. Pa. Acad. Sci. Proc. (1945) 19: 35-38. 500 P383
- 16868 HADFIELD, W. A. DDT in food processing. Food Mater. and Equip. 5(12): 15, 18. Dec. 1945. 389.8 F7393
- 16869 HARBOUR, H. E., and WATT, J. A. Spraying trials with D.D.T. and "666" against the sheep blowfly. Vet. Rev. 57: 685-666. Dec. 29, 1945. 41.8 V641
- 16870 HENDERSON, E. S. Insecticides, birds and bees. Horticulture 24: 72-73. Feb. 1, 1946. 80 H787
- 16871 HICKIN, N. E. Mode of entry of contact insecticides. Nature [London], 156: 753-754. Dec. 22, 1945. 472 N21
- 16872 HIGGINS, H. N. Insecticide market in Mexico. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drugs and Pharm. 4(11): 1-4. Jan. 1946. 157.54 In232  
Arranged by L. G. Arrington.
- 16873 HILL, K. R., and ROBINSON, G. A fatal case of D. D. T. poisoning in a child. Nature [London], 156: 780-781. Dec. 29, 1945. 472 N21
- 16874 HOLDAWAY, F. G. Know your DDT insecticides. Hawaii Farm and Home 9(1): 14-15. Jan. 1946. 25 H3191
- 16875 HOSKINS, W. M. New insecticide [DDT] must be used with care. Pest Control and Sanit. 1(2): 23. Feb. 1946. 421 P432
- 16876 HUDSON, C. J., JR. D. D. T. Contact 11 (4): 3-4. Dec. 1945. 80 G76
- 16877 HULBERT, E. R. Precaution in using DDT. Pest Control and Sanit. 1(1): 14. Jan. 1946. 421 P432
- 16878 JENEMANN, J. A. DDT and the public interest. Soap and Sanit. Chem. 22(1): 121, 123. Jan. 1946. 307.8 Sol2
- 16879 KAY, MRS. A. G. DDT data. Gard. Club. Amer. B., ser. 10, No. 4, p. 18-23. Jan. 1946. 90.32 G16
- 16880 LEITÃO, J. L. S. Parasitologia prática; alguns resultados com o emprego do D. D. T. Rev. de Med. Vet. [Lisboa] 40: 320-323. July/Sept. 1945. 41.8 R3215
- 16881 LEVER, R. J. A. W. Entomological notes. Fiji. Dept. Agr. Agr. J. 16: 88-90. Oct. 1945. 25 P47Ag  
Contents: The giant toad in the Solomon Islands insect food; Further notes on the plant bugs Cyrtorhinus; A newly recorded parasite, Pachycrevoideus; A Zanzibar parasite, Scolia ruficornis; for the rhinoceros beetle, Oryctes rhinoceros; in Samoa; The mosquito Aedes vigilax -- a corrected distribution for Fiji.
- 16882 LUEDDEMANN, L. H. Insect infestation and its control. Assoc. Oper. Millers. B., Jan. 1946, n. 1489-1490. 298.9 As7
- 16883 MCDANIEL, E. I. Pest control in dairies. J. Milk Technol. 8: 333-341. Nov./Dec. 1945. 44.8 J824
- 16884 MACLEOD, G. F. DDT or double delirium tremens. Pest Control and Sanit. 1(1): 13. Jan. 1946. 421 P432
- 16885 MILLER, L. W. The insect pests of tomatoes. Tasmanian J. Agr. 16: 144-148. Nov. 1, 1945. 23 T182T
- 16886 MOODY, R. J. Effect of insecticides on game birds. Ariz. Wildlife and Sportsman 7(1): 11-12. Jan. 1946. 410 Ar43
- 16887 MORRISON, F. O. DDT insecticides - a word to the wise. Macdonald Col. J. 6(4): 4-5, 29. Dec. 1945. 101 M144
- 16888 NEAL, P. A., and VON OETTINGEN, W. F. The toxicity and potential dangers of DDT to humans and warm-blooded animals. Med. Ann. D. C. 15(1): 15-19. Jan. 1946. 448.8 M4694
- 16889 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BRANCH. Insect pests. Agr. Gaz. N. S. Wales 56: 499-502, 549-552. Nov. 1, Dec. 1, 1945. 23 N472  
Contents: Red spider (Tetranychus urticae); Springtails (Collembola); The harlequin bug (Dindymus versicolor); Carrot aphids (Cavariella spp.); Red scale (Aonidiella aurantii) and tomato mite (Phyllocoptes lycopersici).
- 16890 OFNER, R. R., and CALVERY, H. O. Determination of DDT (2,2-bis (p-chlorophenyl) 1,1,1-trichloroethane) and its metabolite in biological materials by use of the Schechter-Haller method. J. Pharmacol. and Expt. Ther. 85: 363-370. Dec. 1945. Ref. 396.8 J82
- 16891 OPPENHEIM, B. Killer Miller. Mag. Digest 32(3): 107-109. Mar. 1946. 110 M27  
Insect control by Jay D. Miller.
- 16892 OTOYA A., F. J. Los insectos que atacan los productos almacenados y métodos de combatirlos. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(51): 20-22. Nov. 1945. 8 R3291
- 16893 OTOYA A., F. J. Plagas de los principales cultivos del país sistemas de represión e insecticidas usados. Agr. Trop. 1(11): 43-47. Dec. 1945. 26 Ag8
- 16894 PAGE, A. B. P. The fumigation of stored products in England. (Abs.) Ent. Soc. Wash. Proc. 48(1): 27-28. Jan. 1946. 420 W27
- 16895 PAGE, A. B. P., STRINGER, A., and BLACKITH, R. E. Investigation of insecticidal sprays. Nature [London], 157: 80-81. Jan. 19, 1946. Ref. 472 N21  
Toxicity.
- 16896 PASTFIELD, G. Control of cabbage pests; outstanding results with D.D.T. and 666 [benzene hexachloride] dusts. Agr. Gaz. N. S. Wales 56: 489-492. Nov. 1, 1945. 23 N472



- 16897 PATTON, R. L. Microtechniques used to study action of insecticides; laboratory research on ills produced in insects by poisons may make it possible to predict before long the specificity of insecticides. *Farm Res.* [N. Y. State Sta.] 12(1): 2-3. Jan. 1, 1946. 100 N48A
- 16898 PEPPER, J. O. Insect control in Pennsylvania. *Pa. Acad. Sci. Proc.* (1945) 19: 33-34. 500 P383
- 16899 PESQUOTT, R. T. M., and CLINTON, H. F. External parasites of poultry. *Victoria Dept. Agr. J.* 43: 471-478. Nov. 1945. 23 V66J
- 16900 PLANES, S. Una revolución en el campo de los insecticidas agrícolas. *Agr. Levantino* 11(133): 18, 26. Dec. 1945. 15 Ag85
- DDT.
- 16901 PLUMMER, P. J. G. Toxicity of DDT for laboratory and domestic animals. *Pests* 14(2): 28. Feb. 1946. 449.8 Ex8
- 16902 R. The hen flea. *Poultry Farmer* [Sydney] 13(21): 24. Nov. 24, 1945. 280.28 Or32
- Hen fleas and grey ticks.
- 16903 RAKSHPAL, R. Ether acetic as a fumigant. *Cur. Sci.* 14: 327. Dec. 1945. 475 Sci23
- Against insect pests of stored products.
- 16904 REAGAN, M. V. Carbon bisulphide for fumigation [of grain]. *Assoc. Oper. Millers. B.*, Feb. 1946, p. 1496. 298.9 As7
- 16905 REED, W. G. The insecticide act ... and its enforcement. *Soap and Sanit. Chem.* 22(1): 119, 137, 139. Jan. 1946. 307.8 Sol2
- 16906 ROBE, T. Research needed to determine whether DDT help or harm. *Wyo. Stockman-Farmer and Wyo. Indus. J.* 52(2): 6. Feb. 1946. 6 W992
- Effect on beneficial insects and wild life.
- 16907 ROSENBERG, G. El DDT y sus posibilidades en el control de la *Carpocapsa pomonella*. *Agr. del Norte* 29: 226-229. Sept. 1945. 9.3 Sol4
- 16908 SCHMID, G. Beobachtungen über die Wirkung des DDT Geigy (dichlordiphenyltrichlormethylmethan) auf vogelmilben und federlinge. *Schweiz. Arch. f. Tierheilk.* 87: 524-526. Dec. 1945. 41.8 Sch9
- 16909 SCOTT, T. L. French discovery of new insecticide. *Microscope and Ent. Monthly* 5: 311-312. Dec. 1945. 440.8 M584
- 1,2,3,4,5,6 Hexachlorocyclohexane.
- 16910 SEABER, W. M. Derris and allied insecticides. *Fert. Feed. Stuffs and Farm Supplies J.* 32: 43, 45-46. Jan. 16, 1946. 57.3 F413
- 16911 SEARLES, E. M. We learn about a miracle [DDT]. *Kraftsman, Prod. Ed.* 3(6): 16-17. Nov./Dec. 1945. 44.8 K85
- 16912 SHAH, G. D., and others. Some analogues of D.D.T. *Cur. Sci.* 14: 321. Dec. 1945. 475 Sci23
- K. C. Kshatriya, S. R. Patel, and K. S. Nargund, joint authors.
- 16913 SMALLMAN, B. N. Applied entomology in the cereal industries. *Wallerstein Labs. Commun.* 8: 156-168. Dec. 1945. Ref. 390.9 W15
- Stored products pest control in brewing industry.
- 16914 SMITH, L. M., and WILSON, E. E. Spray materials and methods discussed by Davis experts. *Almond Facts* 10(1): 1, 3. Jan./Feb. 1946. 280.28 AL62
- 16915 SNAPPER, I. Medical contributions from the Netherlands Indies. In *Honig, P., and Verdoorn, F., eds. Science and scientists in the Netherlands Indies*, p. 309-320. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. Ref. 330 H75
- Includes arthropod-borne diseases.
- 16916 STADHOLZ, B., and JARMAN, G. W. Fumigation and reconditioning process for damaged food-stuffs; part I. *Food Mater. and Equip.* 6(1): 16. Jan. 1946. 389.8 F7393
- Insect control.
- 16917 TATE, H. D. Some recent developments in insecticides. *Amer. Assoc. Cereal Chem. Trans.* 4: 37-43. Jan. 1946. Ref. 59.9 Am3T
- 16918 TAYLOR, G. G. Preliminary field trials with D.D.T. and 666 against insect pests. *New Zeal. J. Sci. and Technol. Sect. A, Agr.* 27: 129-133. Aug. 1945. 514 N48A
- 16919 TINDALL, C. Are you confused about DDT? *Mo. Ruralist* 87(3): 5. Feb. 9, 1946. 6 R8891
- 16920 TRÉVILLOT, R. L'utilisation des produits organiques de synthèse dans la lutte contre les ennemis des crucifères. *B. Agr. des Hautes-Pyrénées* 49: 37-41. July/Sept. 1945. 14 B875
- 16921 VANDERFLANK, F. L. Insecticidal properties of Euphorbia extracts. *Nature* [London] 156: 782. Dec. 29, 1945. 472 N21
- 16922 WARD, D. E. D.D.T. is a "miracle killer" if... 1. You know how it works. 2. You know how to use it. *Checkerboard News* 8(1): 12-13. Jan. 1946. 389.78 C41
- To control flies in dairy barns.
- 16923 WASICKY, R., and UNTI, O. Dicloro-difenil-tricloro-etano (DDT); ulteriores pesquisas sobre as suas propriedades e aplicações. *Arq. de Hig. e Saúde Púb.* 10: 47-64. Mar. 1945. 449.8 Ar6
- 16924 WASON, E. J. D.D.T. as an insecticide; results of preliminary trials. *Agr. Gaz. N. S. Wales* 56: 498. (Cont.) Nov. 1, 1945. 23 N472
- 16926 WEBSTER, M. E. The use of DDT as an insecticide. *Roy. Sanit. Inst. J.* 66: 25-34. Jan. 1946. 449.9 R812
- Discussion, p. 34-35.
- 16927 WEBSTER, R. The practical application of D.D.T. in the control of common insect pests. *Med. Off. (n. s.)* 75: 31-35. Jan. 26, 1946. 448.8 M462
- 16928 WESTCOTT, C. Here are your garden enemies [Diplopoda, sowbugs, and slugs]. *Rome Gard.* 7(1): 46-48. Jan. 1946. 80 H756
- Colored plate.
- 16929 WHAT is DDT? Should you use it. *Wis. Restaurateur* 13(1): 10. Jan. 1946. 389.9 W75
- Article prepared by Wisconsin State Board of Health.
- 16930 WILSON, G. F. D. D. T.: investigations on its effect upon some horticultural pests. *Roy. Hort. Soc. J.* 71: 6-13. Jan. 1946. 84 L84J
- 16931 WING, A. S. Some facts about DDT. *Dakota Farmer* 66(3): 10. Feb. 2, 1946. 6 D14
- 16932 WOOD, F. C. D.D.T. *Gard. Chron.* 118: 267. Dec. 29, 1945. 80 G162
- 16933 ZIMMERN, A. Hutch sanitation and pest control. Chapter 2: Introduction to hutch pest control. *Internat'l. Com. Rabbit J.* 3(27): 77-81. Jan. 1946. 40.28 In8

#### APICULTURE AND APIS MELLIFERA

- 16934 BALDENSPERGER, P. J. 96 ans d'apiculture; les Congrès Internationaux. *Soc. d'Apic. des Alpes-Maritime B.* 24(153): 8-14. (Cont.) Jan./Mar. 1945. 424.9 Sol5
- 16935 BAXTER, L. My experience with sulfathiazole. *Amer. Bee J.* 86: 55-56. Feb. 1946. 424.8 Am3
- Control of foulbrood.
- 16936 BUGHOUSER, M. M. M. For sale: bee locations. *Beekeepers Item* 30: 48-49. Feb. 1946. 424.8 B397
- Migratory beekeeping.



- 16937 BUTLER, C. G. The incidence and distribution of some diseases of the adult honeybee (*Apis mellifera* L.) in England and Wales. *Ann. Appl. Biol.* 32: 344-351. Nov. 1945. Ref. 442.8 An72
- 16938 CENTER, R. Se puede aumentar la duración de las vidas de las abejas por un buen método de crianza. *Agrario* 10(370): 6. Nov. 15, 1945. 9.3 Ag85
- 16939 CHILDERS, L. F. Facts about Nosema. *Amer. Bee J.* 86: 56-57. Feb. 1946. 424.8 Am3
- 16940 CLAY, H. J. Department of Agriculture suggests increase of 8 percent in colonies of bees. *Gleanings Bee Cult.* 74: 89. Feb. 1946. 424.8 G47
- 16941 CLAY, H. J. New procedure for securing sugar for feeding bees. *Beekeepers Item* 30: 53. Feb. 1946. 424.8 B397
- 16942 DICKS, W. J. H. Air conditioning of bee hives. *Gleanings Bee Cult.* 74: 80-81. Feb. 1946. 424.8 G47
- 16943 DUBOIS, W. L. Farming with bees. *Amer. Bee J.* 86(1): 9-10. Jan. 1946. 424.8 Am3
- 16944 ECKERT, J. E. Be fair to the bee. *Pacific Rural Press*, North. Ed. 151: 115. Feb. 2, 1946. 6 P112
- Importance of maintaining the bee population.
- 16945 GAMBLE, R. Bees can be profitable, but those thinking of bee-keeping commercially should go steady. *Smallholder* 74(1865): 9. Dec. 14, 1945. 10 Sml
- 16946 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Advice to intending bee-keepers. *Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflet* 283, 3 p. London, 1945. 10 G79La
- 16947 HALLIDAY, M. Facing the stings. *West. Canada Beekeeper* 9(2): 14. Feb. 1946. 424.8 W525
- 16948 HOLST, E. C. A simple field test for American foulbrood. *Amer. Bee J.* 86(1): 14, 34. Jan. 1946. 424.8 Am3
- Also in *West. Canada Beekeeper* 9(2): 11-12. Feb. 1946. 424.8 W525
- 16949 JAMIESON, C. A. Nosema disease of adult bees. *West. Canada Beekeeper* 9(2): 3-4, 17. Feb. 1946. 424.8 W525
- 16950 KILLION, C. E. We were surprised. *Amer. Bee J.* 86: 62. Feb. 1946. 424.8 Am3
- Results of feeding pollen supplements.
- 16951 KNOWLTON, G. F. Bee losses minimized through care in use of DDT and other chemicals. *Utah Farmer* 65(11): 17. Jan. 25, 1946. 6 D45
- 16952 KNUTSON, B. M. Those old bee books. *Amer. Bee J.* 86(1): 15. Jan. 1946. 424.8 Am3
- 16953 LÜTSCHER, A. M. La apicultura en el Agro Argentino. *Inst. Agr. Argentino. Reseñas* 5(34): 55-57. 1945. 281.9 B862
- 16954 MARTIN, E. C. Honey bees and clover seed. *West. Canada Beekeeper* 9(2): 6, 16. Feb. 1946. 424.8 W525
- 16955 MITCHELL, R. Increase of *Apis dorsata* (L.) bees in the Punjab. *Punjab Fruit J.* 9: 169-170. Oct. 1945. 80 P962
- 16956 MRAZ, C. Following the birds. *Amer. Bee J.* 86(1): 11-12. Jan. 1946. 424.8 Am3
- Migratory beekeeping.
- 16957 MYERS, A. T. Beekeeping on the West Coast. *New Zeal. J. Agr.* 71: 585-586. Dec. 15, 1945. 23 N48J
- 16958 ORR, L. E. What is scientific beekeeping? *Beekeepers Item* 30: 46-47. Feb. 1946. 424.8 B397
- 16959 REY, R. L'homme chez les abeilles. *B. Agr. des Hautes-Pyrénées* 49: 45-49. July/Sept. 1945. 14 B875
- Behavior of bees.
- 16960 ROBERTS, W. C. Picking the queen bee's mate. *Tex. Farming and Citric.* 22(6): 14. Dec. 1945. 80 T31
- 16961 ROLDÁN R., S. Curiosidades de las abejas. *agr. Venezol.* 10(111): 40. July/Nov. 1945. 9.95 Ag8
- 16962 ROOT, E. R. Eighty years among the bees. *Gleanings Bee Cult.* 74: 86-87. Feb. 1946. 424.8 G47
- 16963 SCHMIDT, H. W. Bienenhaltung und apfelanbau. *Schweiz. Gart.*, No. 11, p. 317. Nov. 1945. 80 Sch93
- 16964 SCOTT, T. L. Bee anatomy. (Internal. Section 3. Part 3.) The thorax. Glands. Tracheae. Microscope and Ent. Monthly 5: 315-317. (Cont.) Dec. 1945. 440.8 M584
- 16965 SHAW, F. R., and BOURNE, A. I. Investigations on materials suggested as bee repellents. *Gleanings Bee Cult.* 74: 77-79, 115. Feb. 1946. 424.8 G47
- 16966 SIEBER, B. P. Scout bees. *Gleanings Bee Cult.* 74: 91. Feb. 1946. 424.8 G47
- 16967 STRICKEN, W. H. Don't throw it away! *West. Canada Beekeeper* 9(2): 9-10. Feb. 1946. 424.8 W525
- Discarded equipment.
- 16968 STRICKER, M. H. A winter away from bees. *Amer. Bee J.* 86: 53-54. Feb. 1946. 424.8 Am3
- 16969 TURPIN, J. Tunisian beekeeping. *Gleanings Bee Cult.* 74: 74-76. Feb. 1946. 424.8 G47
- 16970 WERTHEIN, I. Apicultura industrial (Argentina). *Rev. Mens. B. A. P.* 29(337): 51-54. Dec. 1945. 9 R326
- 16971 WILDER, J. J. Honeybees in the making. *Amer. Bee J.* 86(1): 18. Jan. 1946. 424.8 Am3
- Bees and honey plants in the Great Smokies.

#### Colony Management

- 16972 BAGNATI, F. R. Cría artificial de reinas. *Chacra* 16(182): 54. Dec. 1945. 9 G34
- 16973 BEN-NERIA, A., and REICHER, D. Seasonal operations in the apiary. (In Hebrew.) *Hassadeh* 26: 114. Nov./Dec. 1945. 26 H27
- 16974 BESSONET, E. C. Production and utilization of package bees. *Gleanings Bee Cult.* 74: 65-69. Feb. 1946. 424.8 G47
- 16975 BURTON, S. H. Curtailing late fall brood rearing. *Gleanings Bee Cult.* 74: 90. Feb. 1946. 424.8 G47
- 16976 EASLEY, P. K. Relation of queen's challenge to swarming. *Gleanings Bee Cult.* 74: 91. Feb. 1946. 424.8 G47
- 16977 GAMBLE, R. Queen bee breeding. *Smallholder* 74(1870): 11. Jan. 18, 1946. 10 Sml
- 16978 GAMBLE, R. Swarm control. *Smallholder* 74(1871): 11. Jan. 25, 1946. 10 Sml
- 16979 GAMBLE, R. Swarming habit can be bred out. *Smallholder* 74(1869): 11. Jan. 11, 1946. 10 Sml
- 16980 GOODACRE, W. A. Guard against robber bees. *Agr. Gaz. N. S. Wales* 56: 509-511. Nov. 1, 1945. 23 N472
- Danger of infection with American foulbrood.
- 16981 GOODERHAM, C. B. Order package bees now. *West. Canada Beekeeper* 9(2): 10. Feb. 1946. 424.8 W525
- 16982 LIVE and learn. By Propolis Pete. *Gleanings Bee Cult.* 74: 83. Feb. 1946. 424.8 G47
- Handling a swarm under difficulties.
- 16983 MILLER, E. S. Replacing failing queens by using two-queen system. *Gleanings Bee Cult.* 74: 88. Feb. 1946. 424.8 G47



16984 NEWELL, R. E. Colony morale and its importance in colony behavior. *Beekeepers Item* 30: 56-58. Feb. 1946. 424.8 B397

16985 PAIRAULT, A. Elevage des reines. *Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc.* 15: 236-237. Nov. 1945. 80 F9482

16986 PAIRAULT, A. Remplacement de la reine. *Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc.* 15: 212-213. Oct. 1945. 80 F9482

16987 RAHMLON, H. J. New methods of beekeeping. *Gleanings Bee Cult.* 74: 70-71, 119. Feb. 1946. 424.8 G47

16988 SHOEMAKER, F. L. A balance in black. *Gleanings Bee Cult.* 74: 72-73. Feb. 1946. 424.8 G47

Proper management of colonies produces profitable honey crop.

16989 STARKEY, J. R. Winter and spring work for the beekeeper. *Beekeepers Item* 30: 50-51. Feb. 1946. 424.8 B397

16990 THERE'S a safe time to examine hives! By Gubesh. *Farmer, Pietermaritzburg,* 34(47): 12. Nov. 23, 1945. 24 F227

Colony manipulation to avoid robbing.

16991 WRIGHT, P. H. Taking off the honey. *West. Canada Beekeeper* 9(2): 7-8. Feb. 1946. 424.8 W525

See also Honey and Beeswax in Agricultural Products section.

#### ARACHNIDA, MYRIAPODA, ETC.

16992 BELIAEV, M. G. Gazokamera MGVO (Mosgorvetotdela) dlia loshadei. *Veterinariia* 22(6): 35-37. June 1945. 41.8 V6426

Gas chamber MGVO for treatment of mange on horses.

16993 BEQUAERT, J. Further records of the snake tick, *Amblyomma dissimile* Koch, in Florida. *Brooklyn Ent. Soc. B. (n. s.)* 40: 129. Oct. 1945. 420 B79

16994 BOWEN, J. J. *Ixodes brunneus* Koch 1844; nueva especie para la acarofauna argentina. *Rev. de Med. Vet. [Buenos Aires]* 27: 128-130. Mar./Apr. 1945. 41.8 B86

16995 BROWN, J. H. The rabbit tick, *Haemaphysalis leporis-palustris* Pack., as an ectoparasite of man. *Canad. Ent.* 77: 176. Sept. 1945. 421 C16

16996 CARR, W. H. Photographing scorpions. *Nat. Hist.* 55: 92-93. Feb. 1946. 500 N483J

16997 CARR, W. H. The truth about scorpions. *Nat. Hist.* 55: 80-86. Feb. 1946. 500 N483J

16998 COLLINGS, W. E. Duration of life of woodlice. *Nature [London]*, 156: 755. Dec. 22, 1945. 472 N21

16999 HOFF, C. C. A redescription of *Atemnus elongatus* Banks, 1895. *New England Zool. Club. Proc.* 23: 109-113. Jan. 22, 1946. 410.9 N44

*Paratemnus elongatus*, n. comb.

17000 HOFF, C. C. A redescription of two of Hagen's pseudo-scorpion species. *New England Zool. Club. Proc.* 23: 99-107. Jan. 22, 1946. 410.9 N44

*Macrochernes* n. g.; *M. wrightii*, *Hesperochernes sanborni*, n. comb.

17001 NAZAROV, G. S., RONZHINA, G. I., and GURIA-NOVA, M. P. *Primenenie khlorpikrin-kreolinovoi emul'sii v bor'be s chesotkoï ovetsi* [Use of chlorpikrin-creolin emulsions for the control of mange in sheep]. *Veterinariia* 22(6): 17-19. June 1945. 41.8 V6426

17002 PIROT, R., and BOURGAIN, M. Perte du pouvoir infectant d'*Ornithodoros tholozani* infecté congénitalement par *Spirochaeta persica* et surinfecté au stade nymphal. *Soc. de Path. Exot. B.* 38: 88-90. Mar. 14/Apr. 11, 1945. 448.9 Sol3

17003 R. Feather mites [*Liponyssus silvium*]. *Poultry Farmer [Sydney]*, 13(5): 32. Aug. 4, 1945. 280.28 Or32

17004 SIMONPIETRI, R. E. *Sarna calcarea* (*Oncidocoptes mutans*). *Chacra* 16(182): 49, 77. Dec. 1945. 9 C34

Scaly leg of poultry.

17005 SINEV, A., SALTYSKOV, F., and GOL'MOV, V. Kimai -- narodnoe sredstvo protiv chesotki ovets. *Veterinariia* 22(6): 31-33. June 1945. 41.8 V6426

Kimai is an insecticidal product of sheep manure used against mange on sheep.

17006 SONI, B. N. D. D. T. and cattle ticks [*Boophilus annulatus australis*]. *Cur. Sci.* 14: 334. Dec. 1945. 475 Sci23

17007 SQUIBB, R. L. Controlling cattle ticks [*Boophilus annulatus microplus*]. *Agr. in the Americas* 6: 12-14. Jan. 1946. 1 F752A

Spray rotenone and DDT, used by Institute of Agricultural Sciences at Turrialba, Costa Rica.

17008 SULTANOV, M. A. Prosteshii sposob poluchenii kimaia [Most simple method of production of kimai]. *Veterinariia* 22(6): 34. June 1945. 41.8 V6426

Used against mange on livestock.

17009 VAN RIPER, W. How strong is the trapdoor spider [*Bothriocyrtum californicum*]? *Nat. Hist.* 55: 70-71. Feb. 1946. 500 N483J

17010 WALLIS, O. L. Okinawan trapdoor spiders. *Nat. Hist.* 55: 68-69. Feb. 1946. 500 N483J

17011 ZAKHVATYIN, A. A. On the discovery of *Palseacarinae* (Acarina) in the USSR. *Acad. des Sci. de l'U. R. S. S. Compt. Rend.* 47: 673-676. 1945. 511 pluh

#### COLEOPTERA

17012 AIRY SHAW, H. K. Recent captures of scarce or local Coleoptera in Gloucestershire. *Ent. Monthly Mag.* 82: 13-15. Jan. 1946. 421 En86

17013 ANTOINE, M. Notes d'entomologie marocaine XXXVIII. Les Cryptiques du Maroc (Col. Tenebr.). *Eos* 20: 257-276. Feb. 20, 1945. 421 Eo7

Includes *Cryptocopsis*, n. gen.

17014 ARROW, G. J. The beetles of the lamellipora subfamily Valginae, with a synopsis of the genera and descriptions of some new species. *Roy. Ent. Soc. London, Trans.* 94: 225-246. Dec. 29, 1944. 420 L84

Includes 24 n. spp.; *Mimovalgus* n. g.

17015 ARTHUR, D. R. A contribution to the biology of *Dolopius marginatus* L. (=depressus Esch.) (Col., Elateridae). *Ent. Monthly Mag.* 82: 1-4. Jan. 1946. 421 En86

17016 BARBER, H. S. Note on *Ceratomyza* and *Andrector* (Coleoptera, Chrysomelidae). *Brooklyn Ent. Soc. B. (n. s.)* 40: 121-122. Oct. 1945. 420 B79

17017 BERGAMIN, J. A broca do café "Hypothenemus" i. e. *Stephanoderes hampei*. São Paulo, Supt. des Serv. do Café, B. 20: 654-660; 749-754. (Cont.) June-July 1945. 68.29 Sa63

17018 BERGAMIN, J. Broca *Stephanoderes hampei* do café. *Rev. de Agr. Piracicaba*, 20: 427-430. Sept./Dec. 1945. 9.2 R324

17019 BRICHET, J. La lutte contre le "capnodis" [*Capnodis tenebrionis*] dans le Sud-Marocain. *Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc.* 15: 219-220. Oct. 1945. 80 F9482

17020 BUTLER, E. Boll weevil *Anthonomus grandis*, wrecks Texas 1945 cotton crop. *Prog. Farmer, Tex. Ed.* 61(3): 14. Mar. 1946. 6 T311

17021 CAMERON, M. New species of Oriental Staphylinidae (Col.). *Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy* 14: 140-145. Dec. 31, 1945. 420 L84Pb

Lists 21 n. spp.



- 17022 CAMERON, M. New species of Staphylinidae (Col.) from the Philippines. Ent. Monthly Mag. 82: 10-12. Jan. 1946. 421 En86  
Seven n. spp.
- 17023 CANIZO, J. DEL Plagas de los frutales; el gusano cabezudo [Capnodis tenebrionis]. Surco [Madrid, 4(44): 11-12. Oct. 1945. 15 Su7
- 17024 CROMBIE, A. C. Further experiments on insect competition. Roy. Soc., London. Proc. Ser. B, Biol. Sci. 133(870): 76-109. Jan. 10, 1946. Ref. 501 L84B
- Tribolium confusum and Oryzaephilus surinamensis.
- 17025 ESPAÑOL COLL, F. Nuevos comentarios sistemáticos sobre la subfamilia Opatrinae Reitt. con la descripción de un nuevo representante del Sáhara Español (Col. Tenebrionidae). Eos 20: 213-232. Feb. 20, 1945. 421 Eo7
- Lobodera antoinsei n. sp.
- 17026 FRIEND, A. H. The fruit tree root weevil (Baryopadus squalidus). Agr. Gaz. N. S. Wales 56: 552. Dec. 1, 1945. 23 N472
- 17027 GARDNER, J. C. M. A note on the insect borers of bamboos and their control. Indian Forest B. New Ser., Ent., No. 125, 17 p. Dehra Dun, 1945. 99.9 In22B
- Mainly Bostrichidae and Lyctidae.
- 17028 GREEN, W. J. Damage by death-watch beetle [Anobium punctatum] to the roof-timbers of York Minster. Wood 11(1): 3-6. Jan. 1946. 99.82 W855
- 17029 KAUFMANN, R. R. U. The distribution of Phytocacia cylindrica L. (Col., Lamidae) in Great Britain. Ent. Monthly Mag. 82: 17-18. Jan. 1946. 421 En86
- 17030 KOCH, C. Über die tenebrioniden der gipfelfauna des Hohen und Mittleren Atlas Marokkos. Ergebnisse der forschungsreise R. Paulian und A. Villiers nach dem Hohen Atlas Marokkos 1938. XIX. Beitrag. (Col. Tenebr.). Eos 20: 387-433. Feb. 20, 1945. Ref. 421 Eo7
- Blaps pauliani n. sp.
- 17031 LAGAR MASCARO, A. Observaciones del "Meladema coriaceum" en España y Marruecos. Graellsia 3(1): 37-38. Feb. 1945. 421 G75
- 17032 LINDROTH, C. H. Die fennoskandischen carabidae, eine tiergeographische studie. Göteborgs K. Vetensk.- och Vitterhets-Samhälles. Handl. 6. Följden, Ser. B, Mat. och Naturv. Skr., v. 4, No. 1, 709 p.; v. 4, No. 2, 277 p. 1945. 502 G71H
- 17033 M., W. W. Coffee borer [Stephanoderes hampei]. Planters' Chron. 40: 356. Nov. 1, 1945. 22 P693
- 17034 MCCALLA, W. C. The burying beetle Microphorus. Canad. Nat. 8(1): 23. Jan./Feb. 1946. 410 G162
- 17035 MISSOURI. OFFICE OF THE STATE ENTOMOLOGIST. Warning: Japanese beetle [Popillia japonica] quarantine (tenth revision, December 1, 1945). Mo. State Dept. Agr. B., v. 43, No. 12, 2 p. Dec. 1945. 2 M69B
- 17036 PALAU, J. M. Notas para un catálogo de los coleópteros de Mallorca. I. Fam. Tenebrionidae. Graellsia 3(1): 23-36. Feb. 1945. Ref. 421 G75
- 17037 PARK, O. A new pselaphid beetle [Hamotocellus araujo] from Brazil associated with termites. Chicago Acad. Sci. B. 7: 445-451. Jan. 31, 1946. 500 C43B
- 17038 PETTY, H. B. Note on carrot weevil [Listronotus oregonensis] control. Ill. Veg. Growers B. 5(3 1. e. 4): 11. Dec. 1945. 80 I169
- 17039 POHL, G. Sur la coloration des ailes inférieures des doryphores [Leptinotarea decemlineata]. Nat. de Mons et du Borinage. B. Mens. 22: 39-40. 1944/1945. 410.9 N212
- 17040 SAYLOR, L. W. Studies in the melolonthine scarab beetle genera of the American Continents. I. Revision of the genus Athlia. Ent. Soc. Wash. Proc. 48(1): 18-25. Jan. 1946. 420 W27
- Includes 3 n. spp.
- 17041 SAYLOR, L. W. Studies in the melolonthine scarab beetle genera of the American Continents. No. III. A new Colombian genus and species [Zaburina colombiana]. Wasmann Collect. 6: 79-81. Apr./Nov. 1945. 442.8 W28
- 17042 WIESMANN, R. Heterostomus pulicarius L. un ennemi peu connu des mulliers. Rev. Hort. Suisse 18: 163-167. Aug. 1945. 80 R3212

## DIPTERA

- 17043 AKCHURIN, B. S. Rinestroz loshadei v Bashkirskoi ASSR. Veterinariia 22(6): 21-22. June 1945. 41.8 V6426
- Rhinoestrus purpureus infestation in horses in the Bashkir republic.
- 17044 ALEKSANDROV, N. A. Rinestroz loshadei. Veterinariia 22(6): 19-20. June 1945. 41.8 V6426
- Rhinoestrus purpureus infestation in horses.
- 17045 ALEXANDER, C. P. Undescribed species of crane-flies from northern Korea (Diptera, Tipulidae). Roy. Ent. Soc. London, Trans. 95: 227-246. Oct. 26, 1945. 420 L84
- Ptychoptera yankovskiana n. sp. and 19 n. spp. and forms in Tipulidae.
- 17046 BATSON, B. Controlling bots [Gasterophilus spp.] in workstock. Ala. Farmer 14, 1. e. 24 (2): 10, 14. Jan. 1946. 276.8 A11
- Protection of horses.
- 17047 BEGG, M., and HOGGEN, L. Chemoreceptivity of Drosophila melanogaster [1. e. ampelophila]. Roy. Soc., London. Proc. Ser. B, Biol. Sci. 133(870): 1-19. Jan. 10, 1946. Ref. 501 L84B
- 17048 BEQUAERT, J. Dr. Luis Vargas on American black-flies--a review, with critical notes (Diptera). Brooklyn Ent. Soc. B. (n. s.) 40: 111-115. Oct. 1945. 420 B79
- 17049 BLANCO, R. Las moscas. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(12): 12-14. Mar. 1945. 15 Spl2
- Control of flies in Spain.
- 17050 BOURGAIN, M. Contribution à l'étude des phlébotomes du littoral méditerranéen français: présence de Phlebotomus [1. e. Flebotomus] (Bumtina) parroti Adler et Théodor 1926, aux Darbousières (banlieue de Toulon). Soc. de Path. Exot. B. 38: 150-158. May 9/June 13, 1945. Ref. 448.9 Sol3
- 17051 BOURGAIN, M. Sur un exemplaire de Phlebotomus [1. e. Flebotomus] papatasi [1. e. papatasi] Scopoli, 1786, capturé à Toulon. Soc. de Path. Exot. B. 38: 145-149. May 9/June 13, 1945. 448.9 Sol3
- 17052 BROMLEY, S. W. Bee-killing Asilidae of the Southeastern States (Diptera). Ent. Soc. Wash. Proc. 48(1): 16-17. Jan. 1946. 420 W27
- Predators of Apis mellifera.
- 17053 CARSON, H. L. The selective elimination of inversion dicentric chromatids during meiosis in the eggs of Sciara impatiens. Genetics 31: 95-113. Jan. 1946. Ref. 442.8 G28
- 17054 CHU, E. J. H. Nutritional requirements of Drosophila hydei. Tex. Rpts. Biol. and Med. 3: 513-527. Winter 1945. Ref. 448.8 T31
- 17055 COWSERT, W. C., SCALES, J. W., and WARD, J. W. DDT found effective in station tests for control of flies on cattle, in dairy barns. Miss. Farm. Res. [Miss. Sta.] 8(12): 1, 2. Dec. 1945. 100 M69M
- 17056 CURRAN, C. H. Insects in the house; the cluster fly [Pollenia rudis]. Nat. Hist. 55: 94. Feb. 1946. 500 N483J
- 17057 DAMONTE, F. R. Agusanamiento de las heridas. Agrario 10(367): 15. Aug. 31, 1945. 9.3 Ag85
- Principalmente Cochylomyia americana.



17058 DUBININ, N. P. On lethal mutations in natural populations. *Genetics* 31: 21-38. Jan. 1946. Ref. 442.8 G28

Based on *Drosophila*.

17059 FARRA, R. Combate a las moscas. *Campo* [Buenos Aires, 16(190): 57, 59, 61-64. (To be cont.) Oct. 1945. 9.2 C15

17060 GIBSON, N. H. E. On the mating swarms of certain Chironomidae [Tendipedidae] (Diptera). *Roy. Ent. Soc. London, Trans.* 95: 263-294. Oct. 31, 1945. 420 L84

17061 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Chrysanthemum midge [*Diarthronomyia chrysanthemi*]. *Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflet* 286, 4 p. London, 1945. 10 G791a  
H. F. Barnes assisted in preparation of leaflet.

17062 GREEN, M. M. A study in gene action using different dosages and alleles of vestigial in *Drosophila melanogaster* [i. e. *ampelophila*]. *Genetics* 31: 1-20. Jan. 1946. Ref. 442.8 G28

17063 GREENSTED, L. W. Some Herefordshire Diptera. *Ent. Monthly Mag.* 82: 15-16. Jan. 1946. 421 En86

17064 GUNDERSON, H. Effect of grub [Hypoderma] treatment. *Shorthorn World* 30(20): 28-29. Jan. 25, 1946. 43.8 Sh8

17065 THE HOUSE FLY *Musca domestica*; a household disease carrier. *Pest Control and Sanit.* 1(1): 15-16. Jan. 1946. 421 Ph32  
Description; control.

17066 HULL, F. M. New syrphid flies from Mississippi. *Ent. News* 56: 268-272. Dec. 1945. 421 En88

*Mallota mississippiensis*, *Volucella anastasia*, and *Brachypalpus margaritus*.

17067 JACKSON, C. H. N. Pairing of *Glossina morsitans* Westwood with *G. swynnertoni* Austen (Diptera). *Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent.* 20: 106. Dec. 31, 1945. 420 L84Pa

17068 KIRKPATRICK, M. G. Kill the cattle grubs [Hypoderma]. *Prog. Farmer, Tex. Ed.* 61(2): 33. Feb. 1946. 6 T311

17069 KNOWLTON, G. F., and SORENSON, C. J. Cattle grubs [Hypoderma], effectively controlled when discernible in backs of cattle. *Utah Farmer* 65(10): 9, 11. Jan. 10, 1946. 6 D45

17070 MANWELL, R. D. Bat malaria. *Amer. J. Hyg.* 43(1): 1-12. Jan. 1946. Ref. 449.8 Am3  
Nycteribiidae and Streblidae possible vectors.

17071 MARGALEF LOPEZ, R. Notas sobre quironomidos [Tendipedidae]. *IV. Ins. Dipt. Graellsia* 3(1): 13-22. Feb. 1945. 421 G75

17072 MATTHYSSO, J. G. At last the fly has met its master. *Certified Milk* 21(237): 3, 6, 18. Jan. 1946. 44.8 C33

DDT in dairy barns.

17073 NIBLETT, M. British Trypetidae [i. e. Tephritidae]. *Ent. Rec. and J. Variation* 58(1): 6-8. Jan. 1946. 421 En89

17074 OLENEV, N. O. O krovosoushchikh dvukrylykh nasekomykh Nizhnego Povolzh'ia (On the blood-sucking dipterous insects of the Low Volga). *Priroda* 34(2): 74-75. 1945. 410 P933  
Simuliidae and Culicoides.

17075 OSIMANI, J. J., and SALSAMENDI, R. *Oestrus ovis* L. su frecuencia en el Uruguay. Algunas consideraciones sobre su biología. *Rev. de Med. Vet. [Buenos Aires]* 27: 131-134. Mar./Apr. 1945. 41.8 B86

17076 PARROT, L., MORNET, J., and CADENAT, J. Notes sur les Phlébotomes. XLVIII. Phlébotomes de l'Afrique Occidentale Française. I. Sénégal, Soudan, Niger. *Inst. Pasteur d'Algérie. Arch.* 33: 232-244. Sept. 1945. Ref. 448.3 In7A

17077 PETHERBRIDGE, F. R., and WESTON, W. A. R. D. Frit fly [*Oscinella frit*]. *Gt. Brit. Min. Agr. Agriculture* 52: 463-464. Jan. 1946. 10 G79J

17078 RASMUSON, B., and ESSEN, M. A crossing-over decrease caused by a new sex-linked lethal. *Hereditas* 31: 478-488. 1945. 442.8 H42

X-ray treatment of *Drosophila ampelophila*.

17079 RUSHBY, G. G. Game in relation to tsetse [Glossina]. *Soc. Preserv. Fauna Empire. J. (n. s.)* 52: 35-39. Dec. 1945. 410.9 Sol3

Relation of fly to animal diseases in Tanganyika.

17080 SALCES, F., and CALVO, S. P. Ensayo experimental con D.D.T. sobre *Oestrus ovis*. *Rev. de Med. Vet. [Buenos Aires]* 27: 137-142. Mar./Apr. 1945. 41.8 B86

17081 SANDERSON, M. R. C. Jetting for blowfly strike in sheep. *Land [Sydney]*, No. 1772, p. 11. (To be cont.) Nov. 9, 1945. 23 L22

17082 SEARLS, E. M. Control of cattle grubs [Hypoderma spp.]. *Milk Prod.* 10(12): 6. Jan. 1946. 44.8 M5993

17083 SHULL, E. "No houseflies in Idaho" health slogan for State. *Idaho. Agr. Col. News Let.* 31(1): 6. Jan. 1946. 276 Id13N

17084 SHULL, W. E. Spray soon for heel-fly control, advises entomologist; grubs costliest cattle parasite [Hypoderma, spp.]. *Idaho. Agr. Col. News Let.* 31(1): 1, 2. Jan. 1946. 276 Id13N

17085 SMART, J. The classification of the Simuliidae (Diptera). *Roy. Ent. Soc. London, Trans.* 95: 463-532. Dec. 31, 1945. 420 L84

17086 SMART, J. A new name in Simuliidae (Diptera). *Entomologist* 79(992): 22. Jan. 1946. 421 En8

*Simulium rubtzovi*, n. n. for *S. similis* Rubtzov.

17087 SMITH, H. R. Cattle grub [Hypoderma] eradication. *Shoe and Leather Expt.* 241(3): 15-16. Jan. 19, 1946. 303.8 Sh7

17088 TWINN, C. R. Poetical and practical aspects of the two-winged flies and fly-borne disease. Part II--Families Culicidae, Chironomidae [i. e. Tendipedidae], Tabanidae and others. *Pests* 14(2): 16, 18, 20, 22. Feb. 1946. 449.8 Ex8

17089 VANDERPLANK, F. L. A hybrid hermaphrodite of *Glossina* (Diptera). *Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent.* 20: 105-106. Dec. 31, 1945. 420 L84Pa

17090 WILSON, L. P. Tolerance of larvae of *Drosophila [ampelophila]* for amino acids: tyrosine, phenylalanine, and alanine. *Growth* 9: 341-352. Dec. 1945. 442.8 G91

17091 WISHART, G. *Aplomya caesar* (Aldrich), a tachinid parasite of the European corn borer. *Canad. Ent.* 77: 157-167. Sept. 1945. Ref. 421 C16

#### Culicidae

17092 BACIGALUPO, J. Importancia de algunos de nuestros mosquitos en la transmisión de la filaria del perro en la Argentina. *Puerto Rico J. Pub. Health and Trop. Med.* 21(1): 3-16. Sept. 1945. 448.8 P83

English translation, p. 14-16.

17093 CHRISTOPHERS, SIR S. R. Structure of the Culex egg and egg-raft in relation to function (Diptera). *Roy. Ent. Soc. London, Trans.* 95: 25-34. June 30, 1945. 420 L84

17094 CORRADETTI, A., and ANGELICO, R. La particolare chetotassi della ninfa di *Anopheles algeriensis*. *Soc. Ital. di Biol. Sper. B.* 20: 221-222. Apr./May 1945. 442.8 Sol2

17095 DUMBLETON, L. J. "666" and "DDT" as mosquito larvicides. *New Zeal. J. Sci. and Technol. Sect. A, Agr.* 27: 133-134. Aug. 1945. 514 N48A

17096 GIL COLLADO, J. Los mosquitos del paludismo. *Spain. Min. de Agr. Secc. de Pub., Prensa y Propag. Hojas Divulgadoras* 37(29): 1-16. Aug. 1945. 15 H68

*Anopheles* spp.



- 17097 GRELL, SISTER M. Cytological studies in *Culex*. Genetics 31: 60-94. Jan. 1946. Ref. 442.8 G28
- I. Somatic reduction divisions. II. Diploid and meiotic divisions.
- 17098 GUTSEVICH, A. V. Posledstviya zavoza Afrikanского maliariniogo komara v Iuzhnuyu Ameriku [Results of transporting the African malarial mosquito into South America]. Priroda 34(2): 73-74. 1945. 410 P933
- Control of *Anopheles gambiae* in Brazil.
- 17099 HOVANITZ, W. Comparisons of mating behavior, growth rate, and factors influencing egg-hatching in South American *Haemagogus* mosquitoes. Physiol. Zool. 19(1): 35-53. Jan. 1946. Ref. 410 P56
- 17100 KARACHANDANI, P. V. Dengue group of fevers in India. Lancet [London] 250: 92-93. Jan. 19, 1946. 448.8 L22
- Aedes aegypti* is chief vector.
- 17101 KUMM, H. W., OSORNO-MESA, E., and BOSHILL-MANRIQUE, J. Studies on mosquitoes of the genus *Haemagogus* in Colombia (Diptera, Culicidae). Amer. J. Hyg. 43(1): 13-28. Jan. 1946. Ref. 449.8 Am3
- 17102 LE GAC, P., SEITE, P., and COMBESCOU DE MARSAGUET, G. Étude sur le paludisme a Ouagadougou. Soc. de Path. Exot. B. 38: 201-216. July 11/Aug. 1945. 448.9 Sol3
- Principal vectors are *Anopheles gambiae* and *A. nili*.
- 17103 LEWIS, D. J. Observations on the distribution and taxonomy of Culicidae (Diptera) in the Sudan. Roy. Ent. Soc. London, Trans. 95: 1-24. June 30, 1945. 420 L84
- 17104 RAMOS, A. S. Observações sobre o *Anopheles (Nyssorhynchus) rondoni* (Neiva e Pinto, 1922) e mais um anofelino do Brasil. Arq. de Hig. e Saúde Públ. 10: 9-18. Mar. 1945. 449.8 Ar5
- 17105 ROUBAUD, E., and COLAS-BELCOUR, J. Le froid et les facteurs d'éclosion de l'oeuf chez *Aedes geniculatus* Oliv. Soc. de Path. Exot. B. 38: 111-118. Mar. 14/Apr. 11, 1945. 448.9 Sol3
- 17106 ROUBAUD, E. Le problème de l'espèce chez le moustique commun *Culex pipiens* L. Soc. de Path. Exot. B. 38: 47-60. Jan. 10/Feb. 14, 1945. 448.9 Sol3
- Relation between *C. pipiens* and *C. autogenicus*.
- 17107 ROUBAUD, E. Résistance au jeûne hivernal chez le moustique commun *Culex pipiens* L. Soc. de Path. Exot. B. 38: 105-111. Mar. 14/Apr. 11, 1945. 448.9 Sol3
- 17108 TORRES CAÑAMARES, F. Contribución al conocimiento del *Anopheles claviger* Mg. de España (Dip. Cul.). Eos 20: 233-245. Feb. 20, 1945. 421 Eo7
- 17109 WILMOT, R. S. Malaria control in Assam. Civ. Engin. 16(2): 60-61. Feb. 1946. 290.8 C49
- Drainage and DDT.
- HEMIPTERA (HEMITEPTERA AND HOMOPTERA)
- 17110 ADAMS, J. B. Aphid [*Myzus persicae*] resistance in potatoes. Amer. Potato J. 23: 1-22. Jan. 1946. Ref. 75.8 P842
- 17111 AERIAL attack on insects. Food in Canada 5(12): 26-28. Dec. 1945. 389.3 F7323
- Aerial dusting to control *Macrosiphum pisi* employed by Stokely-Van Camp of Canada Ltd.
- 17112 BAKER, H. *Parlatoria chinensis* in the United States. (Abs.) Ent. Soc. Wash. Proc. 48(1): 26-27. Jan. 1946. 420 W27
- 17113 BRANN, J. L. The biology and control of the scurfy scale, *Chionaspis furfura* Fitch. Cornell U. Abs. Theses 1944: 145-148. 1945. 241.8 C81
- 17114 BRUCHER ENCIKA, G. Los pulgones [Aphidae]. Campesino [Santiago] 77: 629-630. Nov. 1945. 9.3 Sol2
- 17115 COOK, W. C. The ability of the beet leafhopper [*Eutettix tenellus*] to regain lost vitality when transferred from unfavorable to favorable host plants. Ecology 27: 37-46. Jan. 1946. 410 Ec7
- 17116 D'ARAUJO E SILVA, A. G. Sobre a identidade de *Tibraca limbativentris* Stål, 1860 e *Ogmocoris reingeri* Costa Lima, 1935 (Hemiptera - Pentatomidae). Chacaras e Quintais 72: 596. Nov. 15, 1945. 9.2 C34
- 17117 DELONG, D. M. The genus *Tinobregmus* (Homoptera-Cicadellidae) in Mexico. Brooklyn Ent. Soc. B. (n. s.) 40: 97-102. Oct. 1945. 420 B79
- Six n. spp. and forms.
- 17118 DRAKE, C. J. New Tingidae (Hemiptera). South. Calif. Acad. Sci. B. 44: 96-100. Sent./Dec. 1945. 500 So8
- New g.: *Idiostyla*, *Tigaveria*; New spp. in: *Euaulana* n. g. 3, *Eteoneus*, *Froggettia*, *Urentius*.
- 17119 FENTON, F. A., WHITEHEAD, F. E., and BRETT, C. H. Studies on the cause and prevention of a peach disease in Oklahoma, known as catfacing. Okla. Acad. Sci. Proc. (1944) 25: 34-37. 1945. 500 Ok42
- Caused by *Lygus oblineatus*.
- 17120 GOMEZ-MENOR, J. Contribución al conocimiento de los alejoródidos de España (Hem. Homop.). Variabilidad en las especies españolas y descripción de dos nuevas [*Bemisia citricola*; *Aleurotrachelus espuñae*]. Eos 20: 277-308. Feb. 20, 1945. Ref. 421 Eo7
- 17121 GORHAM, R. P. The use of flight traps in the study of aphid movement. Acad. Nat. 2: 106-111. Jan. 1946. 410.9 N42A
- 17122 HALL, W. J. An apparently new *Margarodes* [*M. aureliana*] (Coccioidea) injurious to grass lawns in the northern Sudan. Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 136-140. Dec. 31, 1945. 420 L84Pb
- 17123 HARTZELL, F. Z. Black cherry aphid [*Myzus cerasi*] controlled with dormant sprays. Farm Res. N. Y. State Sta., 12(1): 7-8. Jan. 1, 1946. 100 N48A
- 17124 HOLLAND, A. H. *Lygus* bugs and their relation to lima bean and seed beet production in Ventura County [California]. Lima Bean News 4(1): 2-3. Jan. 1946. 280.28 L622
- 17125 LUCE, W. A. DDT may control pest [*Lygus oblineatus*] in alfalfa cover crop. Better Fruit 40(7): 8. Jan. 1946. 80 B46
- 17126 MACHOTIN, A. Behaviour of *Eurygaster integriceps* Put. at different temperatures in the experiment and in the field. Acad. des Sci. de l'U. R. S. S. Compt. Rend. 47: 580-582. 1945. 511 P444
- 17127 MAIDU, M. Symbiosis in spittle insect *Ptyelus nebulosus* Fabr. Cur. Sci. 14: 331-332. Dec. 1945. 475 Sci23
- 17128 PETTY, H. E. Potato leafhopper [*Empoasca fabae*] control demonstrations. Ill. Veg. Growers B. 5(3 i. e. 4): 11-12. Dec. 1945. 80 I169
- Use of DDT.
- 17129 PEYER, E. Droht unsern reben ein noch viel schlimmerer feind als die reblaus [*Phylloxera*]? Schweiz. Z. f. Obst- u. Weinbau, No. 26, p. 453-455. Dec. 22, 1945. 80 Sch9
- 17130 RIVEROS, E. J. El problema de la filoxera; medios empleados para combatirla. Chacra 16 (182): 38. Dec. 1945. 9 C34
- 17131 SLEESMAN, G. B. The Coccidae or scale insects of Pennsylvania. Pa. Acad. Sci. Proc. (1945) 19: 43-48. 500 P383
- 17132 USINGER, R. L. Review of the genus *Saldoidea* with new records for Georgia and Virginia (Hemiptera, Saldidae). Brooklyn Ent. Soc. B. (n. s.) 40: 116-118. Oct. 1945. 420 B79



## HYMENOPTERA

- 17133 BLAIR, K. G. *Sarothrus areolatus* Hart. (Hym., Cynipidae) at Wimbledon. Ent. Monthly Mag. 82: 21. Jan. 1946. 421 En86  
Parasitizing dipterous larvae on *Lactuca scariola*.
- 17134 COCKERELL, T. D. A. African halictine bees. Entomologist 79(992): 15-18. (To be cont.) Jan. 1946. 421 En8  
Includes 6 n. spp. in *Halictus*.
- 17135 COCKERELL, T. D. A. African halictine bees (II). Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 129-135. Dec. 31, 1945. 420 L84Pb  
Includes 16 n. spp. in *Halictus*.
- 17136 GINER MARÍ, J. *Cerceris palearticos*. VI. Algunos *cerceris* Latr. (Hym. Sphec.) del Mediterráneo Oriental. Eos 20: 247-256. Feb. 20, 1945. 421 Eo7  
Four n. spp. and forms.
- 17137 GINER MARÍ, J. Resultados científicos de un viaje entomológico al Sahara español y zona oriental del Marruecos español. Familias Sphecidae y Mutillidae (sensu lato). (Hym. Sphec. y Mut.). Eos 20: 351-385. Feb. 20, 1945. 421 Eo7  
Includes 11 n. spp. and forms. *Philoponoides* n. g.
- 17138 MATHIESON, R. Getting the drop on the saw-fly [Neodiprion]. Hydro News 33(1): 24-26. Jan. 1946. 335.9 On8B  
Spraying DDT on pines from helicopter.
- 17139 PICKLES, W. Foraging activities of the ant *Aphaenogaster* (*Aphaenogaster*) *testaceo-pilosa* Lucas (Hym., Formicidae). Ent. Monthly Mag. 82: 4. Jan. 1946. 421 En86
- 17140 POPOV, V. V. Zoogeography and some morphological peculiarities of the family Trigonolidae [i. e. Trigonulidae] (Hymenoptera). Acad. des Sci. de l'U. R. S. S. 48(1): 72-74. 1945. 511 P444
- 17141 RABE, W. J. Ant's brain a mighty atom. Pacific Rural Press, North Ed. 151: 76. Jan. 19, 1946. 6 P112
- 17142 REHN, J. A. G. Sequel to the rape of the Wasmann collection of ants. Ent. News 56: 278. Dec. 1945. 421 En88
- 17143 RICHARDS, O. W. A revision of the genus *Mischocyttarus* de Saussure (Hymen., Vespidae). Roy. Ent. Soc. London, Trans. 95: 295-462. Dec. 31, 1945. Ref. 420 L84  
Includes 37 n. spp. and forms.
- 17144 ROSS, H. H. Sawfly (Symphyta, genitalia: terminology and study techniques. Ent. News 56: 261-268. Dec. 1945. 421 En88
- 17145 SILVA, P. A "formiga de enxerto" *Azteca paraensis* var. *bondari*. Inst. de Cacau da Bahia. B. de Divulg. 1(1): 3-15. 1945. 68.39 In7
- 17146 TALBOT, M. Daily fluctuations in above-ground activity of three species of ants. Ecology 27: 65-70. Jan. 1946. 410 Eo7
- 17147 VELLOSO, J. F. Método prática para extinção de formigueiros. Rev. dos Criadores 16(1): 60-63. Oct. 1945. 43.8 R32  
Destroying nests of *Atta sexdens*.
- 17148 WEBER, N. A. Two common ponerine ants of possible economic significance, *Ectatomma tuberculatum* (Olivier) and *E. ruidum* Roger. Ent. Soc. Wash. Proc. 48(1): 1-16. Jan. 1946. 420 W27
- 17149 WILKINSON, D. S. Description of Palearctic species of *Apanteles* (Hymen., Braconidae). Roy. Ent. Soc. London, Trans. 95: 35-226. Sept. 21, 1945. Ref. 420 L84  
Work completed by G. E. J. Nixon.
- 17150 WOOLLATT, L. H. Some biological notes on *Sciapteryx consobrina* Klug (Hym., Symphyta: Tenthredinidae). Ent. Monthly Mag. 82: 18-19. Jan. 1946. 421 En86  
See also Apiculture and *Apis mellifera*.

## LEPIDOPTERA

- 17151 ADAMS, C. V. Scarcity of *Nymphalis* 10 at Pendeen (West Cornwall) (Lep. Rhopalocera). Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent. 20: 101-104. Dec. 31, 1945. 420 L84Pa
- 17152 BORAM, C., JR. Eastern record for California tortoise-shell. Brooklyn Ent. Soc. B. (n. s.) 40: 102. Oct. 1945. 420 B79  
*Nymphalis californica* on shore of Lake Michigan.
- 17153 BRICHET, J. La législation sur l'emploi des insecticides arsenicaux ou la production obligatoire de fruits véreux. Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc. 15: 238-242. Nov. 1945. 80 F9482  
*Carpocapsa pomonella*.
- 17154 CHERMOCK, F. H., and CHERMOCK, R. L. Two new races of North American butterflies. Pa. Acad. Sci. Proc. (1945) 19: 38-40. 500 P383  
New races: *Papilio cressphontes pennsylvanicus* and *Euphydryas colon sperryi*.
- 17155 CHERMOCK, R. L. Notes on the life histories of some Floridian butterflies. Pa. Acad. Sci. Proc. (1945) 19: 40-43. 500 P383
- 17156 COCKAYNE, E. A. *Saturnia pavonia*, L., n. ab. *melanommatus*. Ent. Rec. and J. Variation 57: 129. Dec. 1945. 421 En89
- 17157 CRUZ, M. A. DA S., and GONCALVES, T. Lepidópteros de Portugal; coleccionados por Alfredo William Teit, F. E. S., I. S. (Barão de Soutelinho). Brotéria 14: 177-187. 1945. 410 B79C
- 17158 CUTRIGHT, C. R., VOGEL, M. A., and PARKS, T. H. Basic reasons for difficulties in codling moth *Carpocapsa pomonella* control. Ohio Agr. Expt. Sta. Bimo. B. 30: 195-199. Nov./Dec. 1945. 100 Oh3S
- 17159 DUMBLETON, L. J. Contribution to the ecology of *Oxycanus cervinata* [i. e. *cervinatus*] Walk. New Zeal. J. Sci. and Technol. Sect. A, Agr. 27: 114-128. Aug. 1945. Ref. 514 N48A
- 17160 F., O. P. The wren and the caterpillar [*Malacosoma americana*]. Rural New Yorker 105: 146. Feb. 16, 1946. 6 R88
- 17161 FISHER, K. J. Four butterfly migrations in India and Ceylon. Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent. 20: 110-116. Dec. 31, 1945. 420 L84Pa
- 17162 FISHER, K. J. Two species of *Colias* migrating in central U. S. A. (Lep. Rhopalocera). Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent. 20: 107-109. Dec. 31, 1945. 420 L84Pa
- 17163 FORBES, W. T. M. The position of *Epione* [i. e. *Metarrhantis*] *mollicularia* (Lep. Geometridae). Ent. News 56: 272-276. Dec. 1945. 421 En88
- 17164 GRANT-WATSON, E. L. The egg of the butterfly. Field 186: 664. Dec. 22, 1945. 10 F45
- 17165 HARPER, G. W. Lepidoptera of Sussex and West Hants, 1945. Ent. Rec. and J. Variation 58(1): 1-5. Jan. 1946. 421 En89
- 17166 KETTLEWELL, H. B. D. Female assembling scents with reference to an important paper on the subject. Entomologist 79(992): 8-14. Jan. 1946. 421 En8  
Lepidoptera.
- 17167 KOCH, M. Las *Zygaena* españolas del Instituto de Entomología de Madrid (Lep. Zygaen.). I. *Zygaena sarpedon* (Hb.). Eos 20: 341-345. Feb. 20, 1945. 421 Eo7  
Critical comment by R. Agenjo, p. 347-349.
- 17168 LE QUESNE, W. J. The butterflies of Jersey. Ent. Monthly Mag. 82: 22-23. Jan. 1946. 421 En86
- 17169 LHOMME, L. Note sur *Hemimene guadarmanica* Knul, en France. Rev. Franç. de Lépidoptérologie 10(1): 16. Jan. 1945. 421 P192



- 17170 LHOMME, L. Quelques précisions sur la Conistra alicia Laj. Rev. Franç. de Lépidoptérologie 10(1): 5-13. Jan. 1945. 421 P192
- 17171 McDUNNOUGH, J. New North American Eupithecia I (Lepidoptera, Geometridae). Canad. Ent. 77: 168-176. Sept. 1945. 421 C16  
Eight n. spp.
- 17172 MILLER, H. W., JR. Spraying 800 acres with DDT [against *Carpocapsa pomonella*]. Va. Fruit 34: 122-128. Jan. 1946. 81 V81B
- 17173 NEWMAN, L. H. Confusion in names. Field 186: 664. Dec. 22, 1945. 10 F45  
British Lepidoptera.
- 17174 NIVEN, L. A. New peach tree borer, *Sannioidea exitiosa*, control by propylene dichloride emulsion. Prog. Farmer, Tex. Ed. 61(3): 20. Mar. 1946. 6 T311
- 17175 OWEN, A. H. *Gonepteryx rhamni* visiting only white and yellow flowers. Entomologist 79(992): 19. Jan. 1946. 421 En8
- 17176 PORTIER, P. Une question controversée de physiologie entomologique résolue, grâce à la collaboration spontanée d'un chien. Rev. Franç. de Lépidoptérologie 10(1): 13-15. Jan. 1945. 421 P192  
Experiments on flight of *Satyrus cordula*.
- 17177 QUERCI, O., and BEER, S. The *Parnassius apollo*, Linnaeus, from the Abruzzi. Ent. Rec. and J. Variation 58(1): 9-12. Jan. 1946. 421 En89
- 17178 SALA DE CASTELLARNAU, P. I. La invernação en los insectos. II. Lepidópteros. Graellsia 3(1): 3-11. Feb. 1945. 421 G75
- 17179 SLOAN, W. J. S. Migrations of the corn ear worm [*Heliothis armigera*]. Queensland Agr. J. 61: 272-274. Nov. 1945. 23 Q33
- 17180 SMITH, C. C. Notes on the birch shoot borer, *Epinotia sollicitana* Walker (Olethreutidae, Lepidoptera). Acad. Nat. 2: 114-121. Jan. 1946. 410.9 N42A
- 17181 STEINBERG, D. M. Regulation processes in the metamorphosis of insects; self-differentiation of the wing in butterflies. Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.) 48(1): 68-71. 1945. 511 p444
- 17182 TURNER, H. J. The British Noctuae [i. e. Phalaenidae] and their varieties. (Cont.) Ent. Rec. and J. Variation 58(1, sup.): 221-224. Jan. 1946. 421 En89
- 17183 URQUHART, F. A. Hummingbird moths [Sphingidae]. Canad. Nature 7: 170-171. Nov./Dec. 1945. 410 C162
- 17184 VANCE, A. M. Status of the European corn borer [*Pyrausta nubilalis*] in 1945. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey. Spec. Sup., 1946, No. 1, 15 p., processed. Washington, 1946. 1.9 En831B
- 17185 VAYSSIERE, M. À propos de la teigne de la pomme de terre (*Phthorimaea* [i. e. *Conorimoschema*] *operculella* Zell.). Pomme de Terre Franç. 8(74): 8-11. Oct. 1945. 75.8 P77
- 17186 WALTON, R. R. Distribution of the southwestern corn borer [*Diatraea grandiosella*] in 1944. Okla. Acad. Sci. Proc. (1944) 25: 28-29. 1945. 500 Ok42
- 17187 WARNECKE, G. La justification du caractère autochtone du saturnide *Graellsia isabellae* Graells dans les Hautes-Alpes françaises. Rev. Franç. de Lépidoptérologie 10(1): 1-4. Jan. 1945. 421 P192
- 17188 WHITEHEAD, F. E. Variations of codling-moth [*Carpocapsa pomonella*] infestations in apple varieties. Okla. Acad. Sci. Proc. (1944) 25: 30-33. 1945. 500 Ok42
- 17189 WILLIAMS, H. B. The Irish form of *Lepidoptera sinapis* L. Entomologist 79(992): 1-3. Jan. 1946. 421 En8  
L. *sinapis juvernica*, n. sp.  
See also Sericulture and the Silkworm.
- ORTHOPTERA
- 17190 BIERIG, A. Juan Palo. Agr. Costarricense 3: 448-451. Nov./Dec. 1945. 8 Ag895  
"Juan Palo" is the common name for the Phasmatidae.
- 17191 BODINE, J. H. Uric acid formation in the developing egg of the grasshopper, *Melanoplus differentialis*. Physiol. Zool. 19(1): 54-58. Jan. 1946. Ref. 410 P56
- 17192 BURKE, F. Crickets in bakeries; their habits and some suggestions for their control. Food [London] 15(173): 37. Feb. 1946. 389.8 F738
- 17193 CARPENTER, G. D. H. The relative edibility and behaviour of some aposematic grasshoppers. Ent. Monthly Mag. 82: 5-10. Jan. 1946. Ref. 421 En86  
Refers particularly to *Acridoidea reticulata*, *Zonoceros elegans* and *Phymateus viridipes*.
- 17194 CHAPMAN, K. H. Notes on the distribution of African Cyrtacanthacrinae (Orthoptera, Acrididae). Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 146-149. Dec. 31, 1945. 420 L84Pb
- 17195 DAVID, M. Action de la colchicine et de l'acénaphthène sur la spermatogenèse des orthoptères du genre *Stauroderus* Boh. Paris. Acad. des Sci. Compt. Rend. 221: 185-186. Aug. 6, 1945. 505 P21
- 17196 DEWEY, J. E. Toxicity studies of some activators of pyrethrum dusts on the German cockroach [*Blattella germanica*]. Cornell U. Abs. Theses 1944: 152-154. 1945. 241.8 C81
- 17197 GIRAL, J., GIRAL, F., and GIRAL, M. L. Fats of insects. IV. Composition of the fat of *Melanoplus atlantis* Riley [i. e. *M. mexicanus* (Sausse.)]. J. Biol. Chem. 162(1): 55-59. Jan. 1946. Ref. 381 J824
- 17198 KENNEDY, J. S. Observations of the mass migration of desert locust hoppers [*Schistocerca gregaria*]. Roy. Ent. Soc. London, Trans. 95: 247-262. Oct. 26, 1945. Ref. 420 L84
- 17199 KURENTSOV, A. I. K biologii kuznechika v Ussurijskom krae [On the biology of grasshopper *Diatraena unicolor* in the Ussuri region]. Priroda 34(1): 67-68. 1945. 410 P933
- 17200 LAIRD, N. Stick insects [Phasmatidae]. Walkabout 12(2): 29-31. Dec. 1945. 331.8 W15
- 17201 LIEBERMANN, J. Síntesis de "Ophthalmolampis," Sausse., con algunas consideraciones acerca de su morfología y su zoogeografía a (Orth. Acrid. Romaleinae). Argentina. Inst. de Sanid. Veg. [P.] Ser. A 1(7): 3-12. 1945. Ref. 464.9 Ar323
- 17202 MORALES AGACINO, E. Algunos datos sobre ortopteroides del Sáhara Occidental. Eos 20: 309-339. Feb. 20, 1945. 421 Eo7  
Includes Dermaptera.
- 17203 PAYNE, R. W. Orthoptera in the Midlands. Ent. Rec. and J. Variation 58(1): 9. Jan. 1946. 421 En89  
Grasshopper records.
- 17204 RAU, P. Food preferences of the cockroach, *Blatta orientalis* Linn. Ent. News 56: 276-278. Dec. 1945. 421 En88  
Bait trap records.
- 17205 REHN, J. A. G., and REHN, J. W. H. A contribution to our knowledge of the Eumastacidae (Orthoptera, Acridoidea) of Africa and Madagascar. Part I. Phila. Acad. Nat. Sci. (1945) 97: 179-248. 500 P53
- 17206 SUOMALAINEN, E. Vermutete triploidie bei der parthenogenetischen gewächshausschabe, *Pycnoscelus surinamensis* L. (Blattaria). Hereditas 31: 501-504. 1945. Ref. 442.8 H42
- 17207 VAYSSIERE, P. Note préliminaire sur les récentes pullulations d'Acridiens, du criquet migrateur (*Locusta migratoria*) en particulier. Paris. Acad. des Sci. Compt. Rend. 221: 62-68. July 2-30, 1945. 505 P21



## SILVICULTURE AND THE SILKWORM

- 17208 BARROS, F. C. DE. A Inspeção Regional de Sericicultura em Barbacena, Minas Gerais. Pernambuco. Sec. de Agr., Indús. e Com. B. 12: 271-275. July/Sept. 1945. 9.2 P423
- 17209 BOYER, M. M. Growing silkworms, Bombyx mori, for victory and peace. Okla. Acad. Sci. Proc. (1944) 25: 21. 1945. 500 Ok42
- 17210 BRAZIL'S silk industry forges ahead. Brazil 20(2): 6-8. Feb. 1946. 280.8 B732
- 17211 HARVEY, J. E. Up-and-coming silk center of America. Mag. Digest 32(2): 81-84. Feb. 1946. 110 M27
- Silk production at Mineral Wells, Texas.
- 17212 KORINFESKY, L. Considerações práticas sobre a exploração da sericicultura em Pernambuco. Pernambuco. Sec. de Agr., Indús. e Com. B. 12: 178-187. July/Sept. 1945. 9.2 P423
- 17213 VILHENA, M. O Brasil e a seda. Chacaras e Quintais 72: 621-622. Nov. 15, 1945. 9.2 C34

## SMALLER ORDERS

- 17214 BOERO, J. J. Dos pulgas de perro en mono Cebus paraguayanus, Ctenocephalides felis y Ctenocephalides canis (Suctoria-Pulicidae). Rev. de Med. Vet. [Buenos Aires] 27: 135-136. Mar./Apr. 1945. 41.8 B86
- 17215 FARRAR, M. D. DDT as a control for gladiolus thrips, Taeniothrips simplex. Gladiolus Mag. New England Gladiolus Soc., 9(4): 10-11. Dec. 1945. 96.43 M44
- 17216 FAURE, J. C. Two new species of Allothrips (Thysanoptera) from South Africa. Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 150-154. Dec. 31, 1945. 420 L84Pb
- 17217 FRASER, F. C. Biological notes on Chrysopa dorsalis Burm. (Neuroptera). Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent. 20: 116-121. Dec. 31, 1945. 420 L84Pa
- 17218 FREEMAN, R. B. The pig as a host of Pulex irritans L. (Siphonaptera, Pulicidae). Ent. Monthly Mag. 82: 19-21. Jan. 1946. Ref. 421 En86
- 17219 HALE, J. G. Dragonflies, the fascinating insects of New Guinea. Walkabout 12(3): 47-48. Jan. 1, 1946. 331.8 W15
- 17220 HERMS, W. B. The Western subterranean termite [Reticulitermes hesperus]. Pest Control and Sanit. 1(2): 19. Feb. 1946. 421 P432
- 17221 HUNT, G. M., and SNYDER, T. E. An international termite exposure test - sixteenth progress report. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 189-204. 300.9 Am3
- 17222 KNOWLTON, G. F. Trichoptera notes. Brooklyn Ent. Soc. B. (n. s.) 40: 102. Oct. 1945. 420 B79
- 17223 LANGE, H. W., JR. DDT controls onion thrips, Thrips tabaci. West. Grower and Shipper 17(3): 18, 32. Feb. 1946. 280.38 W52
- 17224 NEEDHAM, J. G. Notes on some dragonflies of southwest peninsula Florida. Brooklyn Ent. Soc. B. (n. s.) 40: 104-110. Oct. 1945. 420 B79
- 17225 OLSON, P. C. The flea problem. Pest Control and Sanit. 1(2): 25, 27. Feb. 1946. 421 P432
- 17226 PASCALE, H., and CRUZ, E. Considerações sobre rickettsioses nos municípios de Itapiratiba, São João da Boa Vista e São José do Rio Preto; (contribuição ao estudo das Rickettsioses). Arq. de Hig. e Saúde Púb. 10: 297-304. June 1945. 449.8 Ar6
- Transmitted by fleas.
- 17227 PRINCE, F. M., and MCMAHON, M. C. Tularemia; attempted transmission by each of two species of fleas: Xenopeylla cheopis (Roths.) and Diamanus montanus (Baker). Pub. Health Rpts. 61: 79-85. Jan. 18, 1946. Ref. 151.65 P96

- 17228 RAMBO, E. K. Termite protection; an ounce of prevention is worth a pound of exterminator. South. Agr. 76(2): 25. Feb. 1946. 6 So83
- 17229 RICCARDO, G. Un microorganismo simbionte della Ctenolepisma ciliata (Duf.). Soc. Ital. di Biol. Sper. B. 20: 415-416. June/July 1945. 442.8 Sol2
- 17230 SAWYER, F. E. The blue-winged olive [Ephemerella ignita] on the Upper Avon. Field 187: 99. Jan. 26, 1946. 10 P45
- 17231 THE SILVERFISH Lepisma saccharina, (order of Thysanura). Pest Control and Sanit. 1(1): 9-12. Jan. 1946. 421 P432
- What leading scientists say about the silverfish, p. 12.
- 17232 SMITH, R. H. Historical aspects of the termite problem. Pest Control and Sanit. 1(2): 14-16, 18-19. Feb. 1946. 421 P432
- Refers particularly to Reticulitermes spp.
- 17233 TERMITES and their control (order of Isopod). Pest Control and Sanit. 1(2): 8-11. Feb. 1946. 421 P432

## Anoplura and Mallophaga

- 17234 CRAFT-FURD-BENSON, H. J., and MACLEOD, J. A.L. 63, the original British Army louse powder. J. Hyg. [London] 44: 294-306. Jan. 1946. Ref. 449.8 J82
- Tests with Pediculus humanus corporis.
- 17235 HOPKINS, G. H. E. Notes on Harrisoniella (Mallophaga), with special reference to the genotype. Entomologist 79(992): 4-7. Jan. 1946. 421 En8
- 17236 MORRISON, F. O. "Rehabilitation" program for cattle lice. Macdonald Col. J. 6(5): 4-5, 14. Jan. 1946. 101 M44
- 17237 SOPER, F. L., and others. Louse powder studies in North Africa (1943). Inst. Pasteur d'Algérie. Arch. 33: 183-223. Sept. 1945. 448.3 In7A
- W. A. Davis, F. S. Markham, L. A. Riehl, and P. Buck, joint authors.
- 17238 VOLCANI, R. Killing lice on cattle. (In Hebrew.) Hassadeh 26: 100-101. Nov./Dec. 1945. 26 H27
- 17239 WHEELER, C. M. Control of typhus in Italy 1943-1944 by use of DDT. Amer. J. Pub. Health 36: 119-129. Feb. 1946. 449.9 Am3J
- Dusting controlled body lice, chief vectors.

## AGRICULTURAL ENGINEERING

## GENERAL

- 17240 BAILEY, E. L. Low cost secondary road system. W. Va. Farm News 24(11): 3, 11. Feb. 1946. 275.293 W. Va.
- 17241 ELACK, J. J. Short cuts to time and labour saving. Smallholder 74(1871): 18. Jan. 25, 1946. 10 Sml
- Advantages of a carefully planned farm layout.
- 17242 BOTTS, R. R. Where do we stand on farm accident statistics? Farm Safety Rev. 4(1): 11-15. Jan./Feb. 1946. 449.8 F22
- 17243 CANO, A. E. Electrificación de los alambrados en explotaciones porcinas. Rev. Nac. de Agr. Bogotá, 39(492): 46-48. Sept./Oct. 1945. 9.4 B32
- 17244 CARRIGAN, H. D. Farmers plan bathtub era; Alberta farmers expect to spend \$275,000,000 on farm and home improvements and new machinery. Family Herald and Weekly Star 77(2): 3. Jan. 9, 1946. 7 F21
- 17245 CARTER, K. Pitch-forks are dangerous. Nebr. Farmer 88(2): 1, 40. Jan. 19, 1946. 6 N27
- Pitch-fork accidents.
- 17246 DOMÍNGUEZ GARCÍA-TEJERO, F. Como se mide un terreno. Surco [Madrid] 4(43): 18-21. Sept. 1945. 15 Su7



- 17247 FRANK, S. Hackamore versus snaffle bit. West. Livestock J. 24(12): 62, 64. Jan. 15, 1946. 6 F2278
- 17248 HARRIS, L. D. Rancher of the air. Dakota Farmer 66(3): 13. Feb. 2, 1946. 6 D14
- 17249 HOLDEN, A. E. "My pump is the heart of my farm." Successful Farming 44(2): 34, 36-37. Feb. 1946. 6 S12
- 17250 MCCLAIN, C. Hitchhiking telephones. South. Agr. 76(2): 10. Feb. 1946. 6 S63
- 17251 OLSON, C. R. Professional agricultural engineering service for farmers. Agr. Engin. 27: 80. Feb. 1946. 58.8 Ag83  
Suggestions to the American Society of Agricultural Engineers.
- 17252 OWEN, F. J. Farm flying is easy. Mont. Farmer 33(10): 5. Jan. 15, 1946. 6 M764
- 17253 PILLSBURY, A. F. Float valves for concrete irrigation pipe lines. Calif. Citrog. 31: 111, 128-130. Feb. 1946. 80 C125
- 17254 RAMBO, E. K. Worthwhile equipment for the farmstead. Ark. Farmer 48(13): 8-9. Jan. 1946. 6 Ar42  
Permanent mailbox posts and clothes lines.
- 17255 LE ROBINET automatique Hirt. By Hortulus. Rev. Hort. Suisse 18: 173-174. Aug. 1945. 80 R3212
- 17256 ROBINSON, W. M. The opportunity of the rural school. Safety Ed. 25(6, 1. e. 2): 20-21. Feb. 1946. 449.8 Sal2  
Safety education.
- 17257 SALOMON, MRS. C. Allen County [Ind.] achieves success in fire and accident prevention. Hoosier Farmer 31(1): 5. Jan. 1946. 280.82 H76
- 17258 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. MACHINERY UNIT. Can we sell more pumps for Brazilian homes and farms? Foreign Com. Weekly 22(4): 12-13. Jan. 26, 1946. 157.54 F763  
Industrial Projects Unit cooperating.
- 17259 WARD, R. Danger on the farm. Farmers Weekly [London] 23(26): 25, 27. Dec. 28, 1945. 10 F2226  
Safety measures with farm machinery.
- 17260 WOODHEAD, H. How airplanes are now serving the farmers. Farmers Guide 102(4): 12. (To be cont.) Feb. 15, 1946. 6 In2

## FARM MACHINERY

## General

- 17261 ADAIR, W. Market for British farm machinery. Farming News and North Brit. Agr. 97(53): 13, 15. Dec. 28, 1945. 10 N82
- 17262 ADLEM, E. L. Egyptian enterprise making way for modern [mechanization] methods. Power Farmer 6(1): 13. Jan. 1946. 58.8 P872
- 17263 BAILEY, R. With tools - it's the upkeep. Home Gard. 7(1): 62-66. Jan. 1946. 80 H756
- 17264 BLACK, J. J. Work for the humble barrow to do. Smallholder 74(1867): 10. Dec. 28, 1945. 10 Sml
- 17265 BOYER, K. S. Farm machinery should be repaired now; high schools offer night classes. Utah Farmer 65(11): 11, 13. Jan. 25, 1946. 6 D45
- 17266 BRODELL, A. P. The farm machine prospect. Farm Impl. News 67(1): 46. Jan. 3, 1946. 58.8 F22
- 17267 CLINE, R. W. The cooperative use of farm machinery by students of vocational agriculture. Agr. Ed. Mag. 18: 150-151. Feb. 1946. 275.8 Ag8
- 17268 DAVIDSON, J. B. Down machinery row in 1946. Successful Farming 44(2): 24-27. Feb. 1946. 6 S12
- 17269 EASTERBROOK, L. F. La agricultura en la era del maquinismo. Agrario 10(370): 4, 14. Nov. 15, 1945. 9.3 Ag85
- 17270 G., C. H. Farm carting. Agr. Engin. Rec., winter 1945-6, p. 50-52. 58.8 Ag84
- 17271 GERDES, F. L. Actual use proves feasibility of mechanical production of cotton. Cotton Trade J. 26(5): 3, 7. Feb. 2, 1946. 72.8 C214
- 17272 H., H. J. A carbon disulphide applicator. Agr. Engin. Rec., winter 1945-6, p. 57-58. 58.8 Ag84
- 17273 HENDRICKSON, A. G. What does a farmer do with an arc welder? Rural Electrification 3(3): 20-21. Jan. 1946. 335.8 R883
- 17274 JOHNSTON, C. N. A new portable field water meter and new furrow water meter. Agr. Engin. 27(1): 29-31. Jan. 1946. 58.8 Ag83
- 17275 JOHNSTON, C. N. A new priming valve for portable siphons. Agr. Engin. 27(1): 31-32. Jan. 1946. 58.8 Ag83
- 17276 KIHLEGREEN, C. The manufacture of agricultural machinery in Sweden. Skand. Banken. Q. Rev. 26: 40-43. Apr. 1945. 284.9 Sk1
- 17277 LAROVERE, P. B. Conservación de la maquinaria agrícola. Rev. Nac. de Agr. [Bogotá] 39(492): 23-24, 71-72, 74. Sept./Oct. 1945. 9.4 R32
- 17278 LIDDELL, K. Prairie farms on factory basis in revolutionary custom method. Canad. Grain J. 1(3): 8. Oct. 1945. 59.8 C16  
Custom rates for farm machinery.
- 17279 LÖNNEMARK, H. Lantbruksmaskinernas förvaring under vintern: det betalar sig med omsorgsfull vård! Jordbrukarnas Föreningsblad, Uppl. A: Östra Mellansverige och Gästrikland 15(48): 1, 11. Dec. 1, 1945. 11 J762  
Winter storage and maintenance of equipment.
- 17280 MAC LAREN, J. R. La civilización actual tiene por base, en gran parte, los progresos realizados en la mecanización agrícola. Cuba. Min. de Agr. Rev. 28(4): 7-10. Oct./Dec. 1945. 8 Ag88Re
- 17281 MCNEELY, M. Three generations of Thorntons serve cane belt. Sugar J. 8(7): 9-10. Dec. 1945. 65.8 Su391  
Sugarcane and other agricultural machinery developed by the Thornton family.
- 17282 MARBLE, A. L. Sprinklers prove successful in Hood River orchards. Better Fruit 40(7): 10. Jan. 1946. 80 B46
- 17283 MASSEY, G. F. Farmer Peters' appreciation of dealer service. Farm Impl. News 67(4): 82, 104, 106, 108. Feb. 14, 1946. 58.8 F22
- 17284 MAUGHAN, G. L. Keep that rust away. Farmer & Stock-Breeder 60: 80. Jan. 3, 1946. 10 F228  
Protection of farm machinery.
- 17285 MILLER, I. Welding—new skill developed by many farmers during war years. Utah Farmer 65(12): 9. Feb. 10, 1946. 6 D45  
Use of electric arc welders by farmers.
- 17286 NESBITT, M. J. Kansas farmers present a laborsaving show. Successful Farming 44(2): 22, 48. Feb. 1946. 6 S12  
Farm machinery.
- 17287 NEWMAN, E. Facing new problems in new year. Farm Impl. News 67(2): 46, 54. Jan. 17, 1946. 58.8 F22
- 17288 NEWMAN, E. Shop service needs selling—and mechanics appreciate a little judicious back-patting at times for service rendered beyond the normal call of duty. Farm Impl. News 67(4): 60, 62. Feb. 14, 1946. 58.8 F22
- 17289 NINK, M. E. Teamwork will do it again! Farmer and dealer can keep old machines producing pending adequate supply of new equipment. Tractor Farming 29(1): 18. 1946. 58.8 T672
- 17290 PEEL, P. W. How to join a belt. Power Farmer 5: 234. Dec. 1945. 58.8 P872
- 17291 PERDOMO, J. E., and POSSE, J. J. Mecanización. Habano 11(12): 11, 56. Dec. 1945. 69.8 H11  
Mechanization of tobacco industry.



17292 **PHILIPS, A. W.** The outlook for farm equipment. *New England Homestead* 119(2): 19. Jan. 26, 1946. 6 M442

17293 **PLANNED use of farm machinery.** By Varro. *Field* 186: 659. Dec. 22, 1946. 10 F45

17294 **PULSE, P.** It's a coming thing; welding on the farm; vo-ag training program encourages farmers to do their own repair work. *Better Farming Methods* 18(2): 22, 48. Feb. 1946. 58.8 B46

17295 **RAIMO, H. F.** Acessórios de utilidade na exploração avícola. *Rev. dos Criadores* 16(10): 65-67. Oct. 1945. 43.8 RJ2

17296 **RUSSELL, A. H.** Mechanisation on the farm. *Scot. Farmer* 53: 1270. Dec. 29, 1945. 10 Sco8

17297 **S., H. L.** Progress in postwar farm machinery. *Rural New-Yorker* 105: 129. Feb. 2, 1946. 6 R88

17298 **SCHMIDT, E.** Wer rastet, der rostet! *Schweiz. Gart., No. 11*, p. 316-317. Nov. 1945. 80 Sch93

17299 **SOBRERO, L. R.** Instalación de pararrayos. *Pampa Argentina* 19(219): 19. Nov. 1945. 9 P19

17300 **STREET, A. G.** "I'm getting gadget-minded." *Farmers Weekly [London]* 24(2): 28. Jan. 11, 1946. 10 F2226

Farm machinery.

17301 **SWEENEY, L. W.** Watch out for the detours. *Farm Impl. News* 67(2): 44, 56, 58, 60, 62. Jan. 17, 1946. 58.8 F22

Farm income and the equipment market.

17302 **VAUGHN, F. F.** Induction hardening as applied to farm machinery. *S. A. E. Soc. Automotive Engin., J.* 54(1): 38-44. Jan. 1946. 291.9 Sol

17303 **W., S. J.** Farm machinery trends in the U. S. A. *Agr. Engin. Rec., winter 1945-6*, p. 33-37. 58.8 Ag64

17304 **WESTBROOK, E. C.** Cotton farmers must modernize methods. *Victory Farm Forum*, No. 21, p. 11-12. Jan. 1946. 281.8 F226

Mechanization of cotton farming.

17305 **WHAT the N. F. U. say farmers require.** *Farm Impl. & Mach. Rev.* 71: 855-859. Feb. 1, 1946. 58.8 Im72

17306 **WILSON, L. L.** Cut-throat price competition makes dealer hump to get more volume. *North-west Farm Equip. J.* 60(2): 10. Feb. 1946. 58.8 F222

17307 **WOOD, A. F.** Beet labor from stoop to skilled. *Sugar* 41(2): 30-33. Feb. 1946. 55.8 F11

Mechanization.

17308 **WRIGHT, S. J.** The next phase in agricultural mechanisation. *Farmers' Club, London. J.* 7: 90-101. 1945. 10 L84

Discussion, p. 95-101.

#### Tillage Machinery

17309 **BARROWMAN, J. R.** How to adjust the disc coulters in plough setting. *Young Farmer* 14(1): 18. Jan./Feb. 1946. 10 Y8

17310 **BARTON, H. K.** "It won't work"; a criticism of the revolutionary cultivator design recently described by Mr. L. J. Bell. *Farmers Weekly [London]* 23(26): 25. Dec. 28, 1945. 10 F2226

17311 **DUFOUR, A.** Outils et méthodes de sarclage d'introduction récente. *Rev. Hort. Suisse* 18: 167-172. Aug. 1945. 80 R3212

17312 **EMERSON, A. W.** Washburn's beamless plow jumps over stones and stumps. *Farm Impl. News* 67(2): 42-43. Jan. 17, 1946. 58.8 F22

17313 **F., W. M.** How about your walking plow? *Rural New-Yorker* 105: 94. Feb. 2, 1946. 6 R88

17314 **HERNÁNDEZ, P. C.** Una maquina agricola para ucos multiples; el "rototiller." *Surco [Madrid]* 4(44): 24-26. Oct. 1945. 15 Su7

#### Planting Machines and Fertilizer Distributors

17315 **C., W. H.** Potato planters. *Agr. Engin. Rec., winter 1945-6*, p. 47-49. 58.8 Ag64

17316 **PARTIDGE, R.** Looking toward better beet drills. *Through the Leaves* 33(6): 17-19. Nov./Dec. 1945. 66.8 T41

#### Harvesting, Threshing, Drying, and Processing Equipment

17317 **AMBERSON, R.** Focus on home freezing. *Pract. Home Econ.* 24(1): 14-15, 46, 48, 50, 52. Jan. 1946. 321.8 H752

17318 **BARKLEY, P.** Old ironfreezer; REA looks ahead to boom in home freezers, uses 3-section "lab" to find answers to food freezing questions. *Co-op Power* 2(10): 8, 26. Oct. 1945. 335.8 C78

17319 **BURCHARD, D. D.** South Dakota seed blower, a new type separator aids seed analyses. *Seed World* 59(3): 48-49. Feb. 1, 1946. 61.8 Se52

17320 **C., W. D.** A swinging windrower. *Agr. Engin. Rec., winter 1945-6*, p. 53-54. 58.8 Ag64

17321 **CHOUSSY, F.** Secadoras sistema "tulhas." *Rev. Cafetal. de Guatemala* 1(12/13): 41-49. Nov./Dec. 1945. 68.28 R322

17322 **COPE, J. A.** Precision instruments for maple sirup producers. *G. L. F. Week Serv. Sched.* 10(28): 3. Jan. 14, 1946. 280.28 G113W

17323 **DERR, E. B.** Winter all around but it's summer on the table; home freezers bringing fresh food diets in all seasons to nation's farm families. *Tractor Farming* 29(1): 11. 1946. 58.8 T672

17324 **DONNALLEY, J. R.** A study of home freezer design. *Cornell U. Abs. Theses* 1944: 263-265. 1945. 241.8 C81

17325 **ENOCK, A. G.** Dairy refrigeration. *Food* 15(172): 19-20. Jan. 1946. 389.8 F738

17326 **FACER, J. E., and NELSON, H. E.** "The only way to top beets." *Through the Leaves* 33(6): 41-42. Nov./Dec. 1945. 66.8 T41

Use of mechanical harvester.

17327 **FINDLAY, R.** Sharpening blade shears. *New Zeal. J. Agr.* 71: 383-389. Oct. 1945. 23 N48J

For sheep shearing.

17328 **FITZGERALD, O. A.** Points on choosing that freezer. *Farm J.* 70(2): 26-27. Feb. 1946. 6 F2212

17329 **GARRARD, W. M.** Ginning endangers gains in mechanical harvesting. *Cotton Digest* 18(18): 6-7. Jan. 26, 1946. 286.82 C822

Gin cleaning equipment.

17330 **GINGLES, R. J.** Electric tank heaters. *Hoard's Dairyman* 91: 38. Jan. 10, 1946. 44.8 H65

17331 **HARTOGENSIS, H.** A new job for kilowatts. *South. Agr.* 76(2): 24. Feb. 1946. 6 So83

Electric stokers for curing tobacco.

17332 **GOULD, I. A.** Cleaning dairy equipment. *South. Dairy Prod. J.* 39(1): 94-95, 98. Jan. 1946. 44.8 So83

17333 **HILL, L. H.** The need for hot water heaters and electric cooling tanks in the production of high quality milk. *Rural Electrification* 3(3): 12-13. Jan. 1946. 335.8 R883

17334 **HOFF, P.** Root cutters for Western Nebraska potato growers. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 519-520. 2 N27R

17335 **HOME freezers are news.** Units for freezing or for storing frozen foods are high on the list of "wanted" home appliances. *Amer. Cookery* 51(5): 34-35, 50. Jan. 1946. (Beltsville Branch Libr.)

17336 **HUCKER, G. J.** New germicides for food processors; quaternary ammonium compounds show promise as sterilizing agents in food and dairy plants. *Canning Trade* 68(29): 7. Feb. 11, 1946. 286.83 T67

17337 **HUCKITT, MRS. G. W.** Long Island neighbors OK farm freezers. *Amer. Agr.* 142: 509, 526, 528. Dec. 1, 1945. 6 Am3



- 17338 LATHROP, S. P. Rockford operator plans expansion. *Frosted Food Field* 2(1): 19. Jan. 1946. 389.8 F922  
Describes the plant of Rockford Food Lockers.
- 17339 LATIMER, R. A. Mobile precoolers protect perishables. *Food Indus.* 18(1): 77. Jan. 1946. 389.8 F737
- 17340 LEAVITT, E. T. Symbol of new dairy farming in the South; dehydrating forage immediately after harvesting retains top food values. *Tractor Farming* 29(1): 8-9. 1946. 58.8 T672
- 17341 LORENZ, F. W. The application of mechanical refrigeration to ranch egg cooling. *Agr. Engin.* 27: 69-73. Feb. 1946. Ref. 58.8 Ag83
- 17342 MCCracken, E. C., SATER, L. E., and BAILEY, K. B. Home freezers during power outage. *Refrig. Engin.* 51: 117-120, 152-153. Feb. 1946. 295.9 Am32J
- 17343 MCMASTER, P. H. Mechanical harvesting of sugar beets a proved practice in the Nebraska district. *Through the Leaves* 33(6): 7-17. Nov./Dec. 1945. 66.8 T41
- 17344 MCMUNN, E. W. Production line haymaking. *Ohio Farmer* 197(2): 10. Jan. 19, 1946. 6 Oh3
- 17345 MASSEY, G. F. The bootleg [corn] picker market. *Farm Impl. News* 67(2): 39. Jan. 17, 1946. 58.8 F22
- 17346 MATTINGLEY, B. W. Develop exhaust device for canning grapefruit. *Food Packer* 27(2): 40. Feb. 1946. 286.83 C165
- 17347 MERVINE, E. M., and BURDICK, R. T. Sugar beet growers look to mechanical harvesters to solve labor problems. *Colo. Farm B. [Colo. Sta.]* 7(6): 2-4. Nov./Dec. 1945. 100 C71S
- 17348 MOORE, A. V., and ARBUCKLE, W. S. Aids in separator sanitation. *South. Dairy Prod. J.* 39(1): 26-27. Jan. 1946. 44.8 So83  
Action of wetting agents.
- 17349 MOSES, B. D. The mechanical features of farm dehydrators. *Agr. Engin.* 27(1): 14-16. 32. Jan. 1946. 58.8 Ag83
- 17350 MOYER, J. C., and STOTZ, E. The freeze-drying of foods - a look into the future. *Farm Res. N. Y. State Sta.*, 12(1): 16-17. Jan. 1, 1946. 100 N48A
- 17351 P., M. C. La recolección mecánica del algodón. *Surco [Madrid]*, 4(43): 22-24. Sept. 1945. 15 Su7
- 17352 PARSONS, C. H. Loads and loads of hay saved. *New England Homestead* 119(3): 12-13. Feb. 9, 1946. 6 N442  
Artificial hay drying.
- 17353 PEEDE, L. G. A electrónica aplicada à agricultura. *A Fazenda* 40: 589-591. Dec. 1945. 6 H1P  
The electric eye in classifying agricultural products.
- 17354 PERREY, R. L. Gesellschaft fuer Lindes Eismaschinen A. G., Hildastrasse 8, Wiesbaden. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1252, 8 p., processed. Washington, 1945. 157.8 R29  
Equipment for freezing and storing food.
- 17355 PICKER models for 1946; many types and sizes available for every kind of home dressing or commercial plant operation. *Turkey World* 21(2): 40-42. Feb. 1946. 47.38 T84
- 17356 RICE, E. S. Provender milling; exhaust systems. *Milling* 105: 486-487, 489. Dec. 29, 1945. 298.8 M622
- 17357 RICE, E. S. Provender-milling. Manufacture of finished products. *Milling* 106: 24, 28, 58. Jan. 12, 19, 1946. 298.8 M622
- 17358 ROADHOUSE, C. L. Tank-truck market milk collection from farms. *Pacific Dairy Rev.* 50(1): 28, 30. Jan. 1946. 286.85 P11
- 17359 SANBORN, R. E. What sanitation means to the processor. *Food Indus.* 18(1): 94-96. Jan. 1946. 389.8 F737
- 17360 SENIOR, W. C. Harvesting potatoes. *New England Homestead* 119(2): 18. Jan. 26, 1946. 6 N442
- 17361 SHELDON, A. N., and BLAKE, J. J. Influence of ring size, bobbin diameter and spindle speed on spinning process. *Textile Mfr.* 72(853): 13-16. Jan. 1946. 304.8 T3126
- 17362 SHORROCK, R. W. Less waste in dried peas. *Farmer & Stock-Breeder* 60: 31. Jan. 1, 1946. 10 F228  
Management of machinery in the harvesting and
- 17363 STEVENS, T. Good work with 3-year-old beet, harvester. *Through the Leaves* 33(6): 22. Nov./Dec. 1945. 66.8 T41
- 17364 STEVENSON, O. The mechanical harvesting of sweet corn. *Canning Trade* 68(27): 30, 54. Jan. 28, 1946. 286.83 T67
- 17365 STEVENSON, O. Picking sweet corn by hand will soon be obsolete. *Canner* 102(5): 53, 148. Jan. 19, 1946. 286.83 C16  
Mechanical harvesting.
- 17366 SWENINGSEN, C. Minneapolis-Moline adding new Bale-o-matic to big postwar line. *Northwest Farm Equip. J.* 60(1): 13. Jan. 1946. 58.8 F222
- 17367 THURBER, F. H., and BORNE, P. W. Rotary machine solves lye peeler problems. *Food Indus.* 18(1): 78-79, 216, 218. Jan. 1946. 389.8 F737  
Machinery for peeling sweetpotatoes.
- 17368 TORBURN, G. P. Car construction. *West. Farm Econ. Assoc. Proc.* (1945) 18: 115-118. 280.93 W52  
Refrigerator car design.
- 17369 TRANMALL, H. Chlorine versus lye for care of milking machine rubbers. *Bow'an Arrow, Prod. Ed.* 2(1): 1. Jan. 1946. 44.8 B672
- 17370 TREBLER, H. A. The newer dairy cleaners. *Milk Plant Monthly* 24(12): 47-48. Dec. 1945. 44.8 C864
- 17371 TRESSLER, D. K. House freezer pays its way in savings. *Frosted Food Field* 2(1): 19. Jan. 1946. 389.8 F922
- 17372 W., W. F., and C., G. G. Pneumatic grain conveying. *Agr. Engin. Rec.*, winter 1945-6, p. 38-46. 58.8 Ag84
- 17373 WAKEMAN, A. H., and GILLESPIE, D. Homo[genizer] operating tips. *Milk Plant Monthly* 35(2): 32, 34. Feb. 1946. 44.8 C864
- 17374 WALKER, C. An improvised concrete mixer. *New Zeal. J. Agr.* 71: 629. Dec. 15, 1945. 23 N48J
- 17375 WILLCOX, O. W. The mechanization of harvesting sugarcane and sugar beets. *Sugar* 41(1): 30-35. Jan. 1946. 65.8 F11
- 17376 WYBLE, E. Emergency drying fan [for rain soaked feed]. *Elect. on the Farm* 19(1): 22. Jan. 1946. 335.8 EL27

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

- 17377 BASHKIROV, S. Třaga kombajnov kolčesnymi traktormi. Pulling of combines with wheeled tractors. *Sotsialist. Sel'sk. Khoz.* 16(6): 53-57. June 1945. 281.8 So73
- 17378 BENEDIKTOV, I. O peredovom opyte upravleniya mashinno-traktornymi stantsiyami. *Sotsialist. Sel'sk. Khoz.* 16(6): 5-13. June 1945. 281.8 So73  
Management of machine-tractor stations.
- 17379 BUTLER, N. J. First REA supercharged Diesel in operation at Burnips [Mich.]. *Indus. and Power* 50(2): 53-55. Feb. 1946. 291.8 In2
- 17380 CARTER, D. Putting the wind to work. *Sci. Digest* 19(2): 31-34. Feb. 1946. 470 Sci27  
Generation of electricity.
- 17381 CHAPMAN, P. W. Business for bulldozers. *Country Gent.* 116(2): 36, 38. Feb. 1946. 6 C833  
Use of a bulldozer in farm work.



17382 CHAPMAN, P. W. Cherokee County [Ga.] provides - bulldozer service for every farm. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(2): 22. Feb. 1946. 6 P945G

17383 CLARK, B. The "cub" [small farm tractor] makes its bow. N. J. Farm and Gard. 16(12): 22. Dec. 1945. 6 G162

17384 COLLISON, C. F. Farmers turn to oil to plow the land, harvest, and speed food from farm to city. Utah Farmer 65(12): 19. Feb. 10, 1946. 6 D45

17385 DAVIES, A. C. Britain's new tractor has dogged pull. Farmer and Settler 40, i.e. 39(42): 9. Nov. 16, 1945. 23 F226

17386 DAVIES, A. C. New system takes drudgery from tillage. Farmer and Settler 40, i.e. 39(43): 9. Nov. 23, 1945. 23 F226

Tillage using the British tractor.

17387 DAVIES, A. C. Time saving feature of British tractor. Farmer and Settler 40, i.e. 39(44): 9. Nov. 30, 1945. 23 F226

17388 H., H. J. Pneumatic tyres on farm tractors. Agr. Engin. Rec., winter 1945-6, p. 56-57. 58.8 Ag84

17389 JACOB, J. Défrichements motorisés au Ministère de la Colonisation. Rev. d'Oka 19: 165-172. Nov./Dec. 1945. 7 OK1

17390 JENSEN, J. C., JR. Home made bulldozer. Mont. Farmer 33(11): 5. Feb. 1, 1946. 6 M764

17391 JONES, T. N. The "jeep" in Mississippi agriculture. Miss. Farm. Res. [Miss. Sta.] 8(12): 7. Dec. 1945. 100 M69M

17392 LEES, A. B. A British crawler tractor. Farmer & Stock-Breeder 59: 2086. Dec. 25, 1945. 10 F228

17393 MCCUEN, G. W. Power requirements and machine efficiency tested by power take-off dynamometer. Farm Impl. News 67(4): 80-81. Feb. 14, 1946. 58.8 F22

17394 MCCULLOCH, R. Maintenance and repairs of farm tractors. Agr. Ireland 3: 154-156, 163. (Cont.) Jan. 1946. 10.5 Ag8

17395 SHAWL, R. I. Tractor repair and maintenance. Ninth installment. The ignition system. Farm Impl. News 67(4): 55-56, 58. Feb. 14, 1946. 58.8 F22

17396 WILCOX, E. C. Tractor cowboys. Land 4: 392-394. Autumn 1945. 279.8 L22

Pleasure obtained by boys in learning to separate a tractor.

## FARM STRUCTURES

### General

17397 AUL, H. B. Plan to build a garden house. Flower Grower 33: 102-103, 128. Feb. 1946. 80 M72

17398 CLEMMER, J. H. Community shops. Agr. Ed. Mag. 18: 151. Feb. 1946. 275.8 Ag8

17399 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. COMMITTEE ON FARM BUILDINGS. Farm buildings. Gt. Brit. Min. Agr. and Fisheries. Post-war Building Studies 17, 207 p. London, 1945. 296.9 G793

17400 WARD, F. W. Farm buildings in U. S. A. and Canada. N. F. U. Rec. 24: 78. Jan. 1946. 281.8 N21

### Farmhouses

17401 BELL, L. P. Livable kitchens. Farm J. 70(2): 78. Feb. 1946. 6 F2212

Decoration and arrangement.

17402 BUNNING, W. Criticism of serviceman's house. Country Life [Sydney] 57(23): 17. Dec. 7, 1945. 286.85 Sy2

A country house.

17403 CARDAMON, E. House full of ideas. Successful Farming 44(2): 78, 81. Feb. 1946. 6 S12

Remodeling of a farmhouse.

17404 DOOLE, L. E. Where Nebraska farmers live; attractive homes near Cheney. Nebr. Farmer 88(1): 16, 18. Jan. 5, 1946. 6 N27

17405 "DREAM farm kitchen" to lure rural women. Elect. Merchandising 75(3): 63-64. Feb. 1946. 335.8 EL242

17406 GRAY, L. C. Beauty in a farm home. Farmer's Mag. 43(1): 22-23. Jan. 1946. 7 C165

17407 HINCHCLIFF, K. Add a bathroom. Prog. Farmer, Tex. Ed. 61(3): 58. Mar. 1946. 6 T311

Suggestions for the farm home.

17408 HUSSEY, C. Modern farm architecture. Country Life [London] 99(2555): 26-29. Jan. 4, 1946. 80 C83

17409 MCMILLAN, R. T. Comparison of farm housing indexes for Oklahoma. Social Forces 24: 174-180. Dec. 1945. 280.8 J823

17410 METSON, N. Farming in New Zealand; the farm home. New Zeal. J. Agr. 71: 357-370. Oct. 1945. 23 N48J

17411 MURRAY, A. The kitchen gets a lift. Pa. Farmer 134(1): 16. Jan. 12, 1946. 6 P383

Remodeling and rearrangement.

17412 REYMOND, M. T. L'habitation du colon. Casablanca. Chambre d'Agr. B. 7(177): 6-15. Dec. 1945. 24 C26

17413 ROLFE, W. T. Ranch house for the Southwest. Country Gent. 116(2): 26-27. Feb. 1946. 6 C833

17414 SHEFRIN, F. Better housing for Canadian farmers. Pub. Aff. 9(1): 11-16. Dec. 1945. 280.8 P965

17415 SPEECHLY, M. M. An old house steps out. Country Guide 65(1): 42-43, 46-47. Jan. 1946. 7 G76

Remodeling a farmhouse.

17416 W., MRS. W. J. Kitchen planning. Country Life [Sydney] 57(27): 9. Jan. 4, 1946. 286.85 Sy2

17417 WEST, R. We made some mistakes in building our new farm home. Mo. Ruralist 87(2): 4. Jan. 26, 1946. 6 R8891

### Service Buildings

17418 BATEMAN, G. Q. Hard surfacing of dairy feed platforms and yards pays dividends. Utah Farmer 65(12): 28. Feb. 10, 1946. 6 D45

17419 BERESFORD, R. Paved lots aid cattle feeders. Nebr. State Bd. Agr. Ann. Rpt. 1945: 497-500. 2 N27R

17420 BISSON, J. E. Comment faire des planchers hygiéniques et chauds pour les porcs. Terre de Chez Nous 18(16, i. e. 15): 23. Jan. 16, 1946. 7 T27

17421 BLAKE, R. What type of housing? Poultry World 78: 9. Jan. 4, 1946. 47.8 P8682

Housing for rabbits.

17422 BOTHE, J. W. The modern dairy barn. South. Agr. 76(2): 16. Feb. 1946. 6 So83

17423 BROOMHEAD, W. W. This domestic poultry keeper asks about small breeding pens. Poultry [London] 97: 408. Dec. 25, 1945. 47.8 P869

17424 BUCHANAN, M. Electric brooding for turkeys. Elect. on the Farm 19(1): 11, 29. Jan. 1946. 335.8 EL27

17425 CARTER, K. Filley farmer builds labor saving crib-granary. Nebr. Farmer 88(2): 26. Jan. 19, 1946. 6 N27

17426 CLARY, M. Germ killers; ultra-violet lighting may prove boon to poultrymen this year. Albers Egg Maker 22, i. e. 21(1): 7-8. Winter 1946. 47.8 ALL

17427 D., H. R. Buildings for pigs. Farmer & Stock-Breeder 60: 77. Jan. 8, 1946. 10 F228



- 17428 DAKAN, E. L. There's no one way to remodel barn for poultry, but here are some ideas. *Ohio Farmer* 197(3): 32-33. Feb. 2, 1946. 6 Oh3
- 17429 DILLON, C. E. How to plan and build a small slaughter house. *Meat Merchandising* 21(10): 80-82. Oct. 1945. 286.85 M462
- 17430 DRIFTMIR, R. H. Housing the farm flock. *Prog. Farmer, Miss.-Ark.-La. Ed.* 61(2): 88-89. Feb. 1946. 6 So81  
Also in *Ga.-Ala.-Fla. Ed.* for Feb. 1946, p. 17, 82.
- 17431 DUNCAN, J. E. New method of dipping sheep; Australian power-spray system tested in N. Z. *New Zeal. J. Agr.* 71: 341-348. Oct. 1945. 23 M48J
- 17432 FAULENER, R. P. Frames heated by electricity. *Gard. Chron.* 118: 250. Dec. 15, 1945. 80 G162
- 17433 FELGER, A. H. How our pig brooders are made. *West. Farm Life* 48(2): 3, 14. Jan. 15, 1946. 6 R153
- 17434 GRIFFITH, R. M. Tackles heating problem for care of turkeys. *New England Homestead* 119(2): 21. Jan. 26, 1946. 6 M442
- 17435 GROUT, R. A. Construction features of the honey house. *Amer. Bee J.* 86: 60-61. Feb. 1946. 424.8 Am3
- 17436 HADLINGTON, E. Make sure of adequate space; raise ducklings in chicken-type brooders. *Farmer and Settler* 40, i.e. 39(42): 14. Nov. 16, 1945. 23 F226
- 17437 HAMILTON, C. L. Make barn chores easy. *Farm Safety Rev.* 4(1): 8-10. Jan./Feb. 1946. 449.8 F22  
Safety considerations in repair and arrangement of barns.
- 17438 HASWELL, J. R. Farm building ventilation. *Pa. Farmer* 134: 62-63. Jan. 26, 1946. 6 P383
- 17439 HAYDON, H. S. Houses without timber - or very nearly so. *Mod. Poultry Keeping* 53: 449. Dec. 19, 1945. 47.8 Eg3
- 17440 HEIMPPEL, L. G. Preventing decay in lumber of stable walls. *Macdonald Col. J.* 6(4): 8-9. Dec. 1945. 101 M144
- 17441 HOWLAND, J. E. Electric hotbeds again available. *Better Homes and Gard.* 24(6): 20. Feb. 1946. 80 F9424
- 17442 JEFFERSON, C. H. The paved barnyard is practical. *Hoard's Dairyman* 91: 7, 37. Jan. 10, 1946. 44.8 H65
- 17443 JONES, R. E. Correct housing cuts egg costs. *Poultry Tribune* 52(2): 18, 82. Feb. 1946. 47.8 P8642
- 17444 JONES, R. E. Poultry house ventilation. *New England Homestead* 119(1): 34-35. Jan. 12, 1946. 6 N442
- 17445 KABLE, G. W. Electric ventilation of poultry houses. *Agr. Engin.* 27: 61-66. Feb. 1946. Ref. 58.8 Ag83
- 17446 KABLE, G. W. Maybe you too need fan ventilation? Why not use electricity to get positive results. *Poultry Tribune* 51(11): 14, 42-43. Dec. 1945. 47.8 P8642
- 17447 KELLEY, D. Housing, a vital phase of poultry management. *Poultry Supply Dealer* 23(1): 18, 52. Jan. 1946. 47.8 B11
- 17448 KLEIN, G. T. Massachusetts clean egg nest. *Elect. on the Farm* 19(1): 34. Jan. 1946. 335.8 EL27
- 17449 LANGE, R. K. Iowa dealer builds repeat business with remodeling of ordinary poultry house. *Miss. Val. Lumberman* 77(4): 10, 30. Jan. 25, 1946. 99.81 M69
- 17450 LANGE, H. K. "New" dairy barn - \$55 per cow! *Successful Farming* 44(2): 44-45, 50-51. Feb. 1946. 6 Sul2
- 17451 MACKENZIE, F. B. Brooding equipment; it's as cheap to have it right as wrong! *Albers Egg Maker* 22, i. e. 21(1): 9-12. Winter 1946. 47.8 ALL  
Poultry house plans.
- 17452 NELSON, H. You can't drown certain bugs. *Skagit Co-op Dairyman* 23(5): 15. Jan. 1946. 280.28 Sk1  
Keeping the dairy barn and premises dry.
- 17453 OLSON, C. R. Labor-saving combination barn. *Hoard's Dairyman* 91: 54. Jan. 25, 1946. 44.8 H65
- 17454 P. B. Poultry labor savers. *Rural New-Yorker* 105: 72. Jan. 19, 1946. 6 R88  
Arrangement and use of equipment.
- 17455 PATCH, R. H. Lights to keep coldframes warm. *Home Gard.* 7(1): 85-89. Jan. 1946. 80 H756
- 17456 QUONSET huts down on the farm. *West. Livestock J.* 24(12): 44-45. Jan. 15, 1946. 6 F2278
- 17457 RUMLER, R. H. New home for pullets. *Successful Farming* 44(2): 38. Feb. 1946. 6 Sul2
- 17458 SCHAFFHAUSEN, J. F. Planning for hog profits. *Country Gent.* 116(2): 54. Feb. 1946. 6 C833  
Housing and equipment for hogs.
- 17459 SEATON, E. A. Unique poultry house. *Mont. Farmer* 33(11): 5. Feb. 1, 1946. 6 M764
- 17460 STRAHAN, J. L. Heat and ventilation in the design of dairy stables. *Heating and Ventilating* 43(1): 81-88. Jan. 1946. 291.8 H35
- 17461 TAGGART, J. I. Engineered service for that hatchery of the future. *Hatchery Tribune* 20(2): 11, 84-85. Feb. 1946. 47.8 H28
- 17462 TOMEY, A. F. Heating intensive houses. *Poultry Farmer [London]* 113(2949): 8-9. Dec. 28, 1945. 47.8 F312
- 17463 WELCH, T. H. Plan the all-purpose small barn for convenient use. *Mont. Farmer* 33(10): 6, 14. Jan. 15, 1946. 6 M764
- 17464 WIAINT, D. E. Electricity helps save the pigs. *Mich. Farmer* 206: 117. Feb. 16, 1946. 6 M58

#### Storage Structures

- 17465 BESS, J. M. The proof is in the eating. *Butchers' Advocate* 119(7): 30-32. Feb. 13, 1946. 286.85 B97  
On the demand for home lockers.
- 17466 CAMPBELL, H. H. A modern L. I. potato warehouse. *Amer. Agr.* 143: 68. Feb. 2, 1946. 6 Am3
- 17467 KLEIN, G. T. How to build a feed room. *Poultry Tribune* 51(9): 8, 46-47. Oct. 1945. 47.8 P8642
- 17468 OSSE, L. Estrumeiras. Parte VII-VIII. *Rev. dos Criadores* 16(10): 28, 16; (11): 60-61. Oct., Nov. 1945. 43.8 R32  
Parte VII. Elevadas com paredes definitivas. Parte VIII. Elevadas com paredes escamoteaveis.
- 17469 SOROA, J. M. DE. Al guardar las cosechas: resumen de preceptos generales del local. *Spain. Min. de Agr. Secc. de Frensa y Pub. Hoja Divulg. de Enseñanza Rural* 2(15): 4-5. June 1945. 15 Spl2
- 17470 WOMELDORFF, D. G. Two-man silo-filling. *Farm J.* 70(2): 25. Feb. 1946. 6 F2212  
Description of machinery used.

#### Farm Utilities

- 17471 ACKERMAN, W. T. Farm labor and the utilization of electrical equipment. *Rural Electrification* 3(3): 5-11. Jan. 1946. 335.8 R883
- 17472 BANKS, W. A. This farmer talks back. *Successful Farming* 44(2): 46, 63. Feb. 1946. 6 Sul2  
Use of Teletalk communication system.
- 17473 BOREN, L. H. Keeping REA on the track. *Pub. Util. Fortnightly* 36: 745-753. Dec. 6, 1945. 280.8 P966  
How to protect the farmers from being loaded with unnecessary debt through reckless REA loans for unwise construction and acquisition of properties.



17474 BRADFORD, S. S. Adequate wiring essential for full usage on farms. *Elect. South* 26(1): 48, 50, 84-86. Jan. 1946. 335.8 EL234

17475 BROOKS, J. B. A simple water system for farmhouses. *South. Agr.* 76(1): 14. Jan. 1946. 5 So83

17476 BROWN, C. A. C. The electrical aspect of farm mechanization. (Abs.) *Inst. Elect. Engin.* [London] J., v. 92, pt. 1, No. 52, p. 172-175. Apr. 1945. 335.9 In72

17477 BROWN, G. Some aspects of rural reticulation. (Sum.) *Straight Furrow* 5(1): 11, 13. Nov. 15, 1945. 281.8 St8

Rural electrification problems in New Zealand.

17478 BUSS, V. E. REA co-ops & newspapers. *Co-op Power* 3(2): 6. Feb. 1946. 335.8 C78

17479 CHABOT, E. D. Now - automatic watering for your greenhouse. *Home Gard.* 7(2): 94, 95-97. Feb. 1946. 80 H756

17480 COLWES, W. H. Wiring of farm buildings. *New England Homestead* 119(1): 19. Jan. 12, 1946. 6 N442

17481 DUNCAN, C. K. Rural electric service costs step down. *Capper's Farmer* 57(2): 22, 29. Feb. 1946. 6 M693

17482 ELECTRICAL farm equipment pays for itself. *Elect. Dealer* 34(12): 47. Dec. 1945. 335.8 EL226

17483 ELLIS, C. T. My visit with four Tennessee cooperatives: Tennessee Valley Electric; Middle Tennessee; Upper Cumberland; Duck River. *Rural Electr.* 4(5): 19, 30-31. Feb. 1946. 335.8 N21

17484 ETTER, D. Power farming's the thing. *Co-op Power* 3(1): 8, 27. Jan. 1946. 335.8 C78

17485 EVREINOV, M., and TROMBACHEV, S. Voprosy sel'skoj elektrifikatsii [Problems of rural electrification]. *Sotsialist. Sel'sk. Khoz.* 16(6): 36-42.

17486 GAGE, E. W. Electrified farming. *Rural New-Yorker* 105: 57. Jan. 19, 1946. 6 R88

17487 GALLAGHER, H. J. Engineering farm chore jobs. *Agr. Engin.* 27: 77-78. Feb. 1946. 58.8 Ag83

Work of the Committee on the Relation of Electricity to Agriculture.

17488 GINGLES, R. Wiring for production. *Co-op Power* 3(1): 6, 24, 26. Jan. 1946. 335.8 C78

17489 GODLEY, R. Some channels through which rural electrification can be developed. *Rural Electr.* B. 3(3): 1-4. Jan. 1946. 335.8 R883

17490 HARRISON, A. W. Rural and farm telephone development in Virginia. *Telephony* 129(25): 26-28. Dec. 22, 1945. 335.8 T23

17491 HEMKER, W. D. Farm electrification pays. *Elect. Contracting* 45(1): 68-69, 103-104. Jan. 1946. 335.8 EL232

17492 HEMKER, W. D. Proving that farm electrification pays. *Rural Electr.* B. 3(3): 16-19. Jan. 1946. 335.8 R883

17493 KERNS, C. J. Seek rural electrification. *Family Herald and Weekly Star* 76(50): 7. Dec. 1945. 7 F21

17494 LITTELL, J. Adequate electric wiring. *Co-op Power* 2(12): 6. Dec. 1945. 335.8 C78

17495 NEFF, G. C. Rural Electrification's real objective. *Pub. Util. Fortnightly* 36: 811-819. Dec. 20, 1945. 280.8 P966

A plea for cooperation between REA co-ops and business-managed electric companies.

17496 PODOLSKY, E. Electricity as a new aid to farming. *Farmers Guide* 102(1): 17. Jan. 1, 1946. 5 In2

17497 PORTER, L. C., and PRIDEAUX, G. F. Imagining - radiation on the farm of tomorrow. *Engin.* 27(1): 33-34. Jan. 1946. 58.8 Ag83

Future possibilities in lights and lighting.

17498 PORTER, L. C. Lamps of tomorrow. *Agr. Engin.* 27(1): 19-20. Jan. 1946. 58.8 Ag83

17499 POST, K. It's here--automatic greenhouse watering. *Flower Grower* 33: 96-97, 116. Feb. 1946. 80 M72

17500 THE PRICE of failure to give farm service; official warns REA-financed co-operatives will sell appliances unless dealers perform real service and merchandising job in rural areas. *Elect. Dealer* 34(12): 48-49. Dec. 1945. 335.8 EL226

Based on statements of J. R. Cobb.

17501 RAPP, S. Rural power line telephone service. *Elect. West* 96(1): 56-58. Jan. 1946. 335.8 J82

17502 S. Automatic watering. *Florists' Rev.* 97(2513): 33-34. Jan. 24, 1946. 80 W41

Watering installations in greenhouses.

17503 SANTA MARÍA, D. Chilean state electrification. *J. Land & Pub. Util. Econ.* 21: 365-370. Nov. 1945. 282.8 J82

Plan includes rural and farm electrification.

17504 SCHOLZ, H. J., and CRAFT, F. M. Joint use in rural areas. *Telephony* 129(23): 19-21. Dec. 8, 1945. 335.8 T23

Power and phone lines.

Also in *Elect. Light and Power* 23(10, 1. e. 12): 72-75, 130. Dec. 1945. 335.8 EL243

17505 SCHWABACHER, G. P. Don't skimp on wiring; to make the best use of electricity, you'll need large enough wire, in several 3-wire circuits, in short spans from a central pole. *Co-op Power* 3(2): 8. Feb. 1946. 335.8 C78

17506 STEWART, A. Farm electrification raises the rural standard of living. *Elect. News and Engin.* 54(22): 48-52, 88. Nov. 15, 1946. 335.8 EL224

17507 STROHM, J. Let electricity do your work! *Prairie Farmer, Mich. Ed.* 117(24): 1, 46. Nov. 24, 1945. 6 P83A

17508 TAYLOR, J. D. Rural line service. Part I-III. *Telephony* 129(22): 11-14, 35; (24): 14-15; (26): 22-24. Dec. 1, 15, 29, 1945. 335.8 T23

17509 VERMONT. PUBLIC SERVICE COMMISSION. Biennial report, 1943/45, 54 p. Burlington, 1945 289.29 V59

Contains rural electrification survey.

17510 WALKER, H. B. Horizon is bright for more farm electrification. *Elect. West* 96(1): 53-55. Jan. 1946. 335.8 J82

17511 WICKARD, C. R. The rural electrification job remaining to be done; a reply to contentions recently made that REA can complete its statutory program without the necessity of additional authorization by Congress of funds for loans. *Pub. Util. Fortnightly* 37: 149-157. Jan. 31, 1946. 280.8 P966

17512 WICKARD, C. R. Rural electrification must be provided on area coverage basis; legislation enacted by Congress calls for service to all non-served people in rural areas; no exceptions. *Rural Electr.* 4(5): 5, 29. Feb. 1946. 335.8 N21

17513 WILLIAMS, M. D. Work on farm "ain't what she used to be"; electricity is powerful factor in saving time and labor--great market ahead. *Farmers Guide* 102(4): 10. Feb. 15, 1946. 6 In2

17514 WOLFE, H. C. The challenge of co-operatives. *Pub. Util. Fortnightly* 37(2): 80-91. Jan. 17, 1946. 280.8 P966

Electric cooperatives for farmers.

17515 YOST, I. J. My electric co-op and what it means to me. *Co-op Power* 2(11): 4-5. Nov. 1945. 335.8 C78

#### Materials and Methods

17516 BAKER, M. L. Observations on the use of concrete. *Nebr. State Bd. Agr. Ann. Rpt.* 1945: 502. 2 N27R

17517 DURHAM, W. L. Farm buildings from home grown lumber. *Ark. Farmer* 48(1): 4-5, 7. Jan. 1946. 6 Ar42



17518 HANSEN, E. L. Concrete for the maintenance of animal health. Nebr. State Bd. Agr. Ann. Rpt. 1945: 492-497. 2 N27R

17519 HOUSE construction in pisé-de-terre; durable and inexpensive method of building walls. By Engineer. Farmer's Weekly [Bloemfontein] 70: 1086, 1089. Jan. 2, 1946. 24 F225

17520 KAISER, W. G. Farm concrete demand increases. Miss. Val. Lumberman 77(2): 21-22. Jan. 11, 1946. 99.81 M69

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

##### GENERAL

17521 APODACA, J. L. Puede el Nuevo Mundo abastecerse a sí mismo? Cuba. Min. de Agr. Rev. 28(4): 28-33. Oct./Dec. 1945. 8 Ag88Re

17522 MAXIM, E. Physical planning and food; some possible effects of the Barlow Report. Food [London] 15(173): 43-46. Feb. 1946. 389.8 F738  
Food supply in relation to land use.

17523 RICHTER, J. H. The food supply and food needs of continental Europe. West. Farm Econ. Assoc. Proc. (1945) 18: 137-142. 280.83 W52

17524 RORTY, J., and NORMAN, K. P. When do we eat. Coop. Builder 21(3): 5. Jan. 17, 1946. 280.28 C7827

European food situation.

17525 STINE, O. C. Planning a war food economy in the United States. West. Farm Econ. Assoc. Proc. (1945) 18: 1-11. 280.83 W52

Includes discussion of production goals.

17526 UNRRA food--life to millions. Consum. Guide 12(2): 3-5. Feb. 1946. 1.94 Ad422C

17527 WALTERS, F. R. 1946 outlook for food companies. Mag. Wall St. 77: 518-521, 548. Feb. 2, 1946. 286.8 M27

##### CONSUMPTION AND UTILIZATION

17528 BANADOS MARTÍNEZ, C. Aprovechamiento de los productos agrícolas por la química. Agrario 10 (367): 8-9, 10. Aug. 31, 1945. 9.3 Ag85

17529 BENSON, H. K. Alcohol and glucose feature chemurgic developments in Washington. Chemurg. Digest 5(1): 44-45. Jan. 15, 1946. 381 N213Na

17530 CHEMURGY or chaos. Grain & Feed J. Consolidated 96: 100, 109, 112. Feb. 13, 1946. 298.8 G762

17531 COLSTON, R. "Ag" leaders should know about vertical farm diversification; farmers need to consider other methods of increasing their farm income. Better Farming Methods 18(2): 19. Feb. 1946. 58.8 B46

17532 DERRY, H. W. Chemurgic achievements for Oregon, 1945. Chemurg. Digest 5(1): 17-22. Jan. 15, 1946. 381 N213Na

17533 HABER, M. The utilization of refuse in agriculture. (In Hebrew.) Hassadeh 26: 122-123. Dec. 1945. 26 H27

17534 MOREIRA, V. Fuentes insospechadas de riqueza nacional. Bolsa de Cereales, Buenos Aires. Rev. 32(1729-1730): 1-2, 4-8, 16, 30, 32-35. (To be cont.) Dec. 8, 15, 1945. Ref. 287 B866  
Chemurgy.

17535 POIROT, E. M. Poirot farms. Chemurg. Digest 5(1): 14-16. Jan. 15, 1946. 381 N213Na  
Chemurgy in postwar farming.

##### DISTRIBUTION, MARKETING, AND TRANSPORTATION

17536 BAKER, E. R. Contribution of the motor truck. West. Farm Econ. Assoc. Proc. (1945) 18: 45-49. 280.83 W52

In transportation of agricultural products.

17537 BLOUNT, J. P. What will air transport do for agriculture? West. Farm Econ. Assoc. Proc. (1945) 18: 38-44. 280.83 W52

17538 CARPENTER, P. Some impressions of an "almost veteran" extension worker relating to needs for research in agricultural marketing. West. Farm Econ. Assoc. Proc. (1945) 18: 92-96. 280.83 W52

17539 DAVIDSON, B. D. Refrigerated motor truck service for frozen foods. Ice and Refrig. 110(1): 50, 73. Jan. 1946. 295.8 Ic2

17540 DIPMAN, C. W. What's ahead in food distribution. Il. Yankee Food Merchant 6(2): 5-6. Feb. 1946. 286.83 Y1

17541 FUTURE of marketing boards, by M. B. A. Farmer & Stock-Breeder 50(2934): 20. Jan. 1, 1946. 10 F228

17542 HARDIGG, C. A. Army plans for postwar canned food procurement. Canner 102(8): 28. Feb. 9, 1946. 286.83 C16

17543 JACKSON, S. D. Aim of the Associated Commodity Exchanges. Grain & Feed J. Consolidated 96: 57, 56. Jan. 23, 1946. 298.8 G762

17544 JONES, B. State line trade barriers. Amer. Cattle Prod. 27(8): 15. Jan. 1946. 49 P94

17545 LANDAU, H. 1946 will decide fate of private brands. Quick Frozen Foods 8(6): 69, 80. Jan. 1946. 389.8 Q4

Frozen food labeling and selling.

17546 LATIMER, R. Store to door distribution for frozen foods. Quick Frozen Foods 8(6): 78, 91. Jan. 1946. 389.8 Q4

Trailer stores.

17547 MEKK, J. H., and AUSTIN, C. P. Municipal planning institutes. Sect. 4. The development of municipal & regional markets. Va. State Planning Bd. Planning Monog. Ser., v. 2, No. 10, 7 p., processed. Richmond, 1945. 280.7 V81Pl  
Food marketing.

17548 MEYER, T. Prospective improvements in trucking perishables. West. Farm Econ. Assoc. Proc. (1945) 18: 119-122. 280.83 W52

17549 MILLER, P. J. Opportunities for cooperation between the county agent and the food retailer. Better Farming Methods 18(2): 26, 41. Feb. 1946. 58.8 B46

17550 PENSINGER, C. R. Building frozen food sales. Frosted Food Field 2(1): 3. Jan. 1946. 389.8 F922

17551 PIPER, W. E. Mass. marketing conference to aid produce distribution; State and Federal agricultural organizations working together to effect improved and better distribution of farm products. New England Grocery and Market Mag. 14(4): 33-34. Feb. 7, 1946. 286.83 N44A

17552 QUEENSLAND. DEPT. OF AGRICULTURE AND STOCK. DIVISION OF MARKETING. Report, 1944/45, 13 p. Brisbane, 1945. 23 Q3

17553 ROWLAND, C. C. Transportation of frozen foods--refrigerator car service. Ice and Refrig. 110(1): 49-50. Jan. 1946. 295.8 Ic2

17554 SÁNCHEZ S., J. J. El Mercado Capitalino. Agr. Costarricense 3: 468-469. Nov./Dec. 1945. 8 Ag895

17555 SCANLAN, J. J. Coatesville broadens base for stability. News for Farmer Coops. 12(8): 12-13, 20. Nov. 1945. 166.2 N47

Marketing of various products by Producers Cooperative Exchange at Coatesville, Pa.

17556 STUART, A. M. Co-operative marketing of primary products; its possibility and value. So. Austral. Dept. Agr. J. 49: 176-179. Nov. 1945. 23 So84



17557 THOMPSON, C. Y. About strikes. Nebr. Farmer 88(3): 35. Feb. 2, 1946. 6 N27  
Difficulties in marketing owing to strikes.

17558 WELSH, J. L. Utilization of surplus products can solve our domestic farm problem. Grain and Feed Rev. 35(5): 16. Jan. 1946. 280.28 C78

17559 WHITMER, R. E. Today's outlook for air transportation of perishables. West. Farm Econ. Assoc. Proc. (1945) 18: 123-129. 280.83 W52

17560 WILSON, G. L. Marketing and traffic management; transportation plays an important role in marketing, not only through its primary function, but through many types of special services that add to the availability and value of goods in the wider markets. Traffic World 77: 247-249. Jan. 26, 1946. 288.8 T672

Includes agricultural products.

17561 WOOLSEY, C. Your co-op is a service! Coop. Digest 6(2): 52. Feb. 1946. 280.28 C7896  
In a marketing cooperative.

17562 WOOTEN, J. A. Air freight transportation. Natl. Assoc. Silo Mfrs. Proc. (1945) 33: 35-43, processed. 60.79 N21

Includes transportation of perishables.

17563 WRIGHT, G. E. The sky's the limit...or is it? Utah Farmer 65(10): 8. Jan. 10, 1946. 6 D45

Includes transportation of food by air.

#### GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

17564 DU MOND, C. C. What's ahead on food inspection. Assoc. Food & Drug Off. U. S. Q. B. 10 (1): 18-23. Jan. 1946. 389.9 A87Q

17565 DUNN, J. A. Planning for clean flavor. Food Indus. 18: 188-190, 314, 316, 318. Feb. 1946. 389.8 F737

Off-odors in processed foods and methods of overcoming the problem.

17566 JONES, O. Metallic impurities in food; some problems of permissible limits. Food 15(172): 9-10. (To be cont.) Jan. 1946. 389.8 F738

#### PACKING AND PACKAGING

17567 HUTCHINGS, B. L., and EVERS, C. F. Pre-cooked packaged frozen foods. Natl. Provisioner 114(3): 18-20. Jan. 19, 1946. 286.85 N21

17568 PACKAGE prophecy; a look into the market basket of tomorrow. Consum. Guide 12(2): 12-14. Feb. 1946. 1.94 Ad422C

Food packaging.

17569 RIDDELL, G. L. Packaging research; its application to the food industry. Food (London) 15(173): 32-34. Feb. 1946. 389.8 F738

17570 WARREN, A. Smart packers will retain standard glass containers. Canner 102(5): 64-66. Jan. 19, 1946. 286.83 C16

#### PRICES, PRICE CONTROL, AND RATIONING

17571 AULL, G. H. Farm price supports. South. Agr. 76(2): 31. Feb. 1946. 6 So83

17572 BOWLES, C. Views of food industry leaders on when to end price control. Natl. Food Distrib. J. 20(1): 24-25. Jan. 1946. 286.28 N212

17573 INTERNATIONAL CO-OPERATIVE ALLIANCE. ECONOMIC RESEARCH. War-time economic control; price control in South Africa. Rev. Internatl. Co-op. 38: 191-195. Nov./Dec. 1945. 280.28 In5E  
Agricultural.

17574 L., E. Das lohn- und preisproblem und die konkurrenzfähigkeit der exportindustrie. Schweiz. Bauernztg. 45: 45. Dec. 1945. 280.28 Sch93  
Farm prices.

17575 LEWINSOHN, R. O nível mundial dos preços. Brazil. Dept. Mac. do Café. DMC 25: 329-333. Sept. 1945. 286.83 D44

Statistics of agricultural prices.

17576 NORTON, L. J. Looking ahead; strong prices for few months, then 25 percent decline. Prairie Farmer 118(4): 42. Feb. 16, 1946. 6 P883

17577 ORCHARD, M. What about 1946? What will be the demand for farm products? What kind of prices can the farmer expect? Farm and Ranch 65(1): 19, 21. Jan. 1946. 6 T61

17578 PEARSON, F. A., MYERS, W. I., and PAARLBERG, D. Our problems and world prices. N. Y. Agr. Col. (Cornell). Farm Econ., No. 148, p. 3766-3767, 3770-3779. Dec. 1945. 280.8 C812  
Farm prices.

17579 ROWLAND, E. P. Rowland sees return to normal pricing as goal of agriculture. C. M. P. A. B. 28(317): 3, 5-6. Jan. 1946. 44.9 C768

17580 WALLACE, H. A. Farm prices, city wages depend on each other. Ohio Coop. 5(11): 3. Jan. 15, 1946. 280.28 Ch32

#### PROCESSING AND STORAGE

17581 BRADY, D. E. More low temperature space in the locker plant. Quick Frozen Foods 8(6): 118-119. Jan. 1946. 389.8 Q4

Income from and outlook for locker use.

17582 CATHCART, W. Frozen bakery products; what items can be frozen; new problems introduced; competition with fresh products. (Abs.) Bakers' Rev. 92 (2): 28-30. Feb. 1946. 389.8 B175

17583 CHRISTENSEN, P. B. Warehouse a link in food preservation. Frosted Food Field 2(1): 15. Jan. 1946. 389.8 F922

Refrigeration.

17584 CHRISTENSEN, P. B. Warehousing in the distribution of frozen foods. Ice and Refrig. 110 (1): 48-49. Jan. 1946. 295.8 Ic2

17585 CONVERSE, J. A. Big expansion in frozen food industry; is due in Northwest. Frosted Food Field 2(1): 17. Jan. 1946. 389.8 F922

17586 DE LAITRE, M. Frosted foods reporter interviews W. L. Pavlovski. Natl. Food Distrib. J. 20(1): 38-39. Jan. 1946. 286.28 N212  
Outlook for frozen foods.

17587 DEN DOOVEN, K. C. How to prepare refrigerated sweet doughs; part III. Baker's Helper 85(1057): 67-68, 72. Jan. 26, 1946. 389.8 B17

17588 FISHER, D. F. Supervision determines quality in frozen foods. Frosted Food Field 2(2): 24. Feb. 1946. 389.8 F922

17589 FROZEN foods: a new horizon; infant industry facing vast opportunity for volume sales, still has to crack hard problems of marketing and distribution. Three obstacles: transportation, warehousing, dispensing cabinets. Business Week. No. 857, p. 30-32, 34-36, 38, 40, 42. Feb. 2, 1946. 280.8 Sy8

17590 HAWK, E. P. Canning industry prospects for 1946. Dom. Com. 34(2): 28-29. Feb. 1946. 157.54 D713

17591 HUTCHINGS, B. L., and EVERS, C. F. Quality control of precooked frozen foods. Food Indus. 18: 184-187. Feb. 1946. 389.8 F737

17592 MOORE, J. C. To de- or not to de-hydrate. News for Farmer Coops. 12(11): 12-13. Feb. 1946. 166.2 N47

17593 NAUGHTER, R. E. Improving the program of instruction in school-community canneries. Agr. Ed. Mag. 18: 148-149, 153, 158. Feb. 1946. 275.8 Ag8

17594 PARDIECK, J. Dehydrated foods in 1946. Natl. Food Distrib. J. 20(1): 10. Jan. 1946. 286.28 N212

- 17595 PARKER, L. T. Recent court rulings touch points in food processing. *Food Packer* 27(2): 45-46. Feb. 1946. 286.83 C165
- 17596 PERRY, R. H. Pantry survey points way to sales growth. *Canner* 102(5): 70, 72. Jan. 19, 1946. 286.83 C16
- A study of canned food preferences in Chicago.
- 17597 RANNEY, W. A. Frozen foods for better living. *News for Farmer Coops.* 12(11): 1, 20-21. Feb. 1946. 166.2 N47
- 17598 REDDING, H. What lessons did canners learn from their wartime experience? *Canner* 102(5): 122, 124, 128. Jan. 19, 1946. 286.83 C16
- 17599 REFRIGERATED storage of frozen foods; what the frozen food industry needs and how the public refrigerated warehouses are equipped to supply these needs; Part III. The frozen food industry. *Ice and Refrig.* 110(1): 47-48. Jan. 1946. 295.8 Ic2
- 17600 SKOVHOLT, O., and HANSCHKA, H. W. Bakery sanitation; ingredient storage and scaling. *Cracker Baker* 35(1): 29-30. (To be cont.) Jan. 1946. 389.8 C84
- 17601 SMITH, M. E. Seasoning adds Z-E-S-T in cooking foods. *Frosted Food Field* 2(1): 14. Jan. 1946. 389.8 F922
- In baked and unbaked frozen products.
- 17602 TOSELLI, A. A desidratação dos alimentos. *Rev. de Agr., Piracicaba*, 20: 325-349. Sept./Dec. 1945. 9.2 R324
- 17603 WASHINGTON, DEPT. OF TRANSPORTATION, ACCOUNTING SECTION. Statistics of storage warehouse companies, 1943/44, 18 p., processed. Olympia, 1945? (Res. and Statis. Ser. No. TSW 6) 280.3 W2732
- 17604 WHELTON, R., and others. Control of microbiological food spoilage by fumigation with epoxides. Part II. *Food Indus.* 18: 174-176, 318, 320. Feb. 1946. 389.8 F737
- H. J. Phaff, E. M. Mrak, and C. D. Fisher, joint authors.
- Ethylene oxide used.
- 17605 WHITE, E. Freezing will be 'big' '46 food news. *Frosted Food Field* 2(2): 4, 32. Feb. 1946. 389.8 F922
- 17606 WOODROOF, J. G., and ATKINSON, I. S. Freezing preservation of cooked foods. *South. Canner & Packer* 7(1): 16-18. (Concl.) Jan. 15, 1946. 389.8 So82
- 17607 ZAROTSCHENZEFF, M. T. Quality control of frozen foods; a 1946 problem. *Frosted Food Field* 2(1): 8. Jan. 1946. 389.8 F922
- STATISTICS
- 17608 BANCO DO BRASIL, S. A. DEPARTAMENTO DE ESTATÍSTICA E ESTUDOS ECONÔMICOS. Boletim estatístico. No. 22, 135 p. Rio de Janeiro, 1945. 255.3 B222
- Gives statistics for rural credit, volume and value of agricultural production, and foreign trade in agricultural products.
- 17609 HÖIJER, E. Det gånnga årets skörd. *Lantmannen* 30: 4-6. Jan. 5, 1946. 11 L234
- Statistics of the 1945 grain, hay, and root crops in Sweden.
- 17610 RAI, G. Agricultural statistics of the (British) Punjab 1940-41 to 1943-44. *Punjab. Bd. Econ. Inq. Pam.* 6 (Sup. 5 to P. 52), 30 p. Lahore, 1945. 281.9 In2
- BEVERAGES AND CONDIMENTS
- 17611 ALEXIDZE, A. Tea growing in Russia. *Food [London]* 15(173): 39. Feb. 1946. 389.8 F738
- 17612 ANDRADE, T. DE. Abundância e escassez de café. *Brazil. Dept. Mac. do Café. DNC* 25: 319-320. Sept. 1945. 286.83 D44
- 17613 BARBOSA, R. O cooperativismo e a indústria ervateira. *Cooperativismo* 5(55): 4. Apr. 1945. 280.28 C7872
- 17614 BARTHOLOMEW, F. H. Australia's production falls off drastically. *Wines & Vines* 27(1): 20. Jan. 1946. 95.8 C122
- 17615 CAMARGO, R. DE. Padronização do café. II. São Paulo. Supt. des Serv. do Café. B. 20: 755-759. July 1945. 68.29 Sa63
- 17616 CAMUS, P. Cada tipo de vino debe beberse con determinados alimentos y en apropiada circunstancia; su composición química y caracteres organolépticos imponen esta modalidad. *Vinos, Viñas y Frutas* 41: 287-288. Dec. 1945. 9 Ag89
- 17617 CHOUSSY, F. Estudio técnico de la fermentación del café. *Dominican Repub. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr.* 36(159): 24-28. Mar./Apr. 1945. 8 R323
- 17618 CLAY, C. Taste in European chocolate is unique. *Confectioners J.* 72(853): 16-17, 22. Feb. 1946. 389.8 C76
- Chocolate processing.
- 17619 COSTA, J. R. Leão XIII e o café. *Brazil. Dept. Mac. do Café. DNC* 25: 338-340. Sept. 1945. 286.83 D44
- 17620 DELAMARE, J. L. Coffee situation in France as seen by import-export agent. *Tea & Coffee Trade J.* 90(2): 18, 20. Feb. 1946. 68.8 T22
- 17621 ESCALANTE DIMAS, A. El conflicto de precios. *Café de El Salvador* 15: 349-350. Aug. 1945. 68.28 C112
- Coffee.
- 17622 KEEN, H. L. How the British tea trade overcame the difficult conditions of wartime. *Tea & Coffee Trade J.* 90(2): 40. Feb. 1946. 68.8 T22
- 17623 LATIMER, R. Coffee container preference survey to guide policy of Ben Hur products. *Tea & Coffee Trade J.* 90(2): 37. Feb. 1946. 68.8 T22
- 17624 LATIMER, R. Refrigeration in champagne making as used by Roma. *Wines & Vines* 27(1): 19, 25. Jan. 1946. 95.8 C122
- 17625 LÓPEZ, P. Refermentación vífica. *Cult. Mod.* 28: 411-412. Nov. 1945. 15 C89
- 17626 MCGUCKIAN, A. T. The Army coffee brewing program. *Tea & Coffee Trade J.* 90(2): 44, 46. Feb. 1946. 68.8 T22
- 17627 MCNAIR, J. B. Chemical control in the winery. *Wine Rev.* 14(1): 16, 18. Jan. 1946. 390.8 W722
- 17628 MAGISTOCCHI, G. Sobre el empleo del anhídrido sulfuroso como antifermo en el vino dulce. *Vinos, Viñas y Frutas* 41: 265-267. Dec. 1945. 9 Ag89
- 17629 MAYORGA, S. C. Diferencias en análisis de vinos. *Vinos, Viñas y Frutas* 41: 264. Dec. 1945. 9 Ag89
- 17630 NÖRREGA, A. A ouro verde na terra de Iracema. *Brazil. Dept. Mac. do Café. DNC* 25: 355-360. (Concl.) Sept. 1945. 286.83 D44
- 17631 NÖRREGA, A. Os primórdios do café no norte do Brasil. *Brazil. Dept. Mac. do Café. DNC* 25: 477-482. Oct. 1945. 286.83 D44
- 17632 PENTEADO, M. DE C. Alguns dados sobre o café em São Paulo. *Rev. Rural Bras.* 25(302): 14-15. Oct. 1945. 9.2 B733
- Statistics and policy.
- 17633 REIS, A. C. F. Origens, esplendor e decadência da cultura cafeeira na Amazônia. IV-V. *Brazil. Dept. Mac. do Café. DNC* 25: 334-337, 469-472. Sept., Oct. 1945. 286.83 D44
- 17634 REITER, R. Weinernte in Steiermark. *Deut. Weinbau* 24(1): 10. Jan. 1945. 95.8 D48
- 17635 ROMERO MONTERO, R. Polémica sobre el vino; la bebida europea - que es la uva? Spain. *Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural* 2(18): 2-3, 8. Sept. 1945. 15 Sp12



17636 SEARS, F. L. Consumption trend up. Wines & Vines 27(1): 15. Jan. 1946. 95.8 C122  
17637 SOUZA, W. W. C. DE. Situação do café. São Paulo. Supt. des Serv. do Café. B. 20: 771-776. July 1945. 68.29 Sa63

17638 TAUNAY, A. DE E. Idéias brasileiras sobre o uso e o abuso do café (1858). Brazil. Dept. Nac. do Café. DNC 25: 459-467. Oct. 1945. 286.83 D44

17639 VELOSO, M. P. Compennetrados de que unidos venceriam os ervateiros dispuseram-se a prestigiar suas cooperativas. Cooperativismo 5(56): 3-4. May 1945. 280.28 C7812

17640 WIRTH, C. Observations on violent and retarded fermentations, their causes and effects. Brewers Digest 21(1): 37-39; (2): 51-54. Jan.-Feb. 1946. 390.8 B75

Barley characteristics in beer making.

#### DAIRY PRODUCTS

17641 ALLRED, D. H. Current butter picture described by production and marketing official. Utah Farmer 65(12): 13. Feb. 10, 1946. 6 D45

17642 ARMSTRONG, J. T. Problems of the dairy industry. Tasmanian J. Agr. 16: 130-133. Nov. 1, 1945. 23 T182T

17643 BROWN, B. C. Passing review: the ice cream industry. South. Dairy Prod. J. 39(2): 20. 89. Feb. 1946. 44.8 So83

17644 BRUBAKER, D. D. Level milk production... a problem always with us. News for Farmer Coops. 12 (11): 11, 22. Feb. 1946. 166.2 N47

17645 BUTTER INDUSTRY COMMITTEE. The butter crisis as outlined by the over-all Butter Industry Committee. Natl. Butter and Cheese J. 37(2): 80-81. Feb. 1946. 286.85 B98Bu

17646 CAMPOVASCO, J. En San Sebastián se va a crear una central lechera. Surco [Madrid] 4(44): 7-10. Oct. 1945. 15 Su7

17647 CANADA, J. W. Why so little milk in Houston. Milk Prod. 10(12): 1-2. Jan. 1946. 44.8 M5993

17648 CROSBY, J. Bright dairy future forecast. Calif. Cult. 93: 86-87. Feb. 2, 1946. 6 C12

17649 CRUMP, G. W. Why we do not have butter. Wis. Restaurateur 13(1): 9, 13. Jan. 1946. 389.9 W75

17650 DOW, G. F. The dairy situation. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 61, p. 1363-1365, processed. Jan. 1946. 275.29 M281F

17651 EMMENTAL AG. Bericht, 1944/45. Schweiz. Zentbl. f. Milchw. 34: 235-236. (To be cont.) Dec. 21, 1945. 44.8 Schw93

Production and marketing of milk and dairy products

17652 FOUTS, E. L. Dairy plant management and operation. South. Dairy Prod. J. 39(2): 30-31. Feb. 1946. 44.8 So83

17653 HIBBERT, C. W. The butter situation. Creamery Coop., Feb. 1946, p. 1-2, 24. 280.28 C86

17654 LLINAS, J. N. La industria lechera [Colombia]. Cult. Agr. 4(46): 14. Aug. 1945. 9.4 C89

17655 LOVETT, N. Granjas lecheras de la India. Res 13: 18382. Dec. 5, 1945. 286.85 R31

17656 MANDT, P. H. A man and an industry. Natl. Butter and Cheese J. 37(2): 32-33, 54, 56, 58. Feb. 1946. 286.85 B98Bu

On the Freeport [Ill.], Dairy Products Company.

17657 MOON, H. Oregon dairymen face the future. West. Dairy J. 2(4): 17-22. Feb. 1946. 44.8 W524

17658 PIPER, H. L. Dairy industry faces knotty problems. New England Homestead 119(1): 22-23. Jan. 12, 1946. 6 N442

17659 PIPER, H. L. The milk situation. New England Homestead 119(2): 12, 30. Jan. 26, 1946. 6 N442

17660 PIPER, H. L. The question of fall shortage. New England Homestead 119(1): 24. Jan. 12, 1946. 6 N442

The Boston milk market.

17661 PROCTER, F. The Society of Dairy Technology. Milk Indus. 26(7): 71-72. Jan. 1946. 44.8 M593

17662 RAY, L. L. What a dairy association means to the dairy industry. South. Dairy Prod. J. 39(2): 98-99. Feb. 1946. 44.8 So83

17663 RUEHE, H. A. Reconversion or "renaissance" for the dairy industry? Milk Plant Monthly 35(2): 30, 63-65. Feb. 1946. 44.8 CB64

17664 SÁ, F. V. DE, and MATOS, A. A. P. DE. Alguns dados económicos e técnicos acerca do queijo do Alentejo especialmente da região de Serna. Rev. de Med. Vet. [Lisboa] 40: 261-271. July/Sept. 1945. 41.8 R3215

17665 SKERTCHLY, C. England's ice cream industry since V-J day. Ice Cream Trade J. 41(12): 38, 86-89. Dec. 1945. 389.8 Ic2

17666 STITTS, T. G. Cheese---come war, come peace. South. Dairy Prod. J. 39(2): 102-104. Feb. 1946. 44.8 So83

17667 THOMANN, W. Die Käseproduktion im winter 1944/45. Schweiz. Zentbl. f. Milchw. 34: 228. (Concl.) Dec. 7, 1945. 44.8 Schw93

17668 THOMSEN, L. C. Standards for measuring creamery efficiency. Natl. Butter and Cheese J. 37(2): 36. Feb. 1946. 286.85 B98Bu

17669 VIRTANEN, A. I. De nordiska länderna ha goda förutsättningar att bli stora ostproducenter. Lantmannen 29: 1126. Dec. 15, 1945. 11 L234  
Cheese production prospects in the Scandinavian countries.

17670 WALLIS, M. The future of dairying in Eire. (n.s.) Irish Agr. and Creamery Rev. (n.s.) 15(145): 9-15. Jan. 1946. 44.8 C866

#### Analysis and Composition

17671 AAS, G. Bidrag til læsning av spørsmålet om fettbestemmelse i mykost. Meteriposten 34: 631-633, 656-657. Nov. 17, 24, 1945. 44.8 M47

Determination of fat in whey cheese.

17672 BULLOCK, F. C. Milk analyses. Med. Off. 75: 15. Jan. 12, 1946. 44.8 M462

17673 CAMPBELL, J. J. R. Citric acid metabolism of homofermentative lactic acid bacteria. Cornell U. Abs. Theses 1944: 186-188. 1945. 241.8 C81

17674 COMPTON, A., and YOUSSEF, G. A routine method of bacteriological analysis and grading of ice-creams: with records of eleven years' application. J. Hyg. [London] 44: 289-293. Jan. 1946. 449.8 J82

17675 ESTRADA I. A., J. G. Resumen histórico de los métodos usados para la determinación del porcentaje de grasa en la leche. Cult. Agr. 5(49): 33. Dec. 1945. 9.4 C89

17676 GRANT, E. A., and HENRY, W. C. Composition of commercial ice cream. Canad. J. Pub. Health 37(1): 26-27. Jan. 1946. 449.8 P964

17677 IRVINE, O. R. Contributions to the study of rancidity in Canadian Cheddar cheese; III. A comparison of the lipolytic activity of slight rancid and first grade samples. Sci. Agr. 26: 7-10. Jan. 1946. Ref. 7 Sci2

17678 JACK, E. L., HENDERSON, J. L., and HINSHAW, E. B. The distribution pattern of fatty acids in glycerides of milk fat. J. Biol. Chem. 162(1): 119-128. Jan. 1946. 381 J824

17679 KOSIKOWSKY, F. V. The effect of high temperature and various chemical agents upon the heat stability, browning and apparent change in lactose concentration of whole and evaporated milk. Cornell U. Abs. Theses 1944: 224-227. 1945. 241.8 C81

17680 MARQUES, A. Nótula sobre o doseamento do colesterol no leite de vaca turina. Rev. de Med. Vet. [Lisboa] 40: 272-277. July/Sept. 1945. 41.8 R3215

17681 SEMMONS, E. M., and MCHENRY, E. W. Observations on the calcium content of cow's milk. Canad. J. Pub. Health 37(1): 22-25. Jan. 1946. 44.8 P964

17682 THOMAS, S. B., and JONES-EVANS, E. The thermoturic bacterial content of farm milk supplies in relation to the sterilization of dairy utensils and milking machines. Dairy Indus. 11(1): 20-24. Jan. 1946. 44.8 D1427

#### Consumption and Utilization

17683 MORRISON, H. B. We'll eat more cheese. South. Agr. 76(2): 41. Feb. 1946. 6 So83

#### Distribution, Marketing, and Transportation

17684 CESAR VITORIA, J. La organización de las zonas de abastecimiento de la fábricas de productos lácteos como factor de progreso. Campo [Buenos Aires] 29(349): 15, 17. Nov. 1945. 9 C15

17685 FRATES, M. A. Clover brand brought luck through hard work. News for Farmer Coops. 12(11): 5, 10. Feb. 1946. 166.2 N47

On the Petaluma Cooperative Creamery.

17686 HENDERSON, T. G. The Scottish Milk Marketing Board; past, present and future of milk distribution. Scot. Farmer 54: 316. Jan. 19, 1946. 10 So88

17687 LAUTERBACH, A. H. A true story -- of how and why one co-op creamery was organized. Prairie Farms News 4(10): 1-2. Jan. 1945. 280.28 P88

17688 MCBRIDE, C. G. Effect of State and Federal milk marketing orders in Cincinnati and Toledo markets. Ohio Agr. Expt. Sta. Bimo. B. 30: 192-194. Nov./Dec. 1945. 100 Oh88

17689 MCMILLAN, R. B. Markets for Australia's dairy produce. N. S. Wales. Dept. Agr. Div. Mktg. and Agr. Econ. Rev. Mktg. and Agr. Econ. (n.s.) 13: 322-328, processed. Dec. 1945. 286.8 N47M

17690 SLADE, F. H. Growing demand for "electrics"; dairymen appreciate low operating and maintenance costs. Dairyman 63: 49, 51, 53. Feb. 1946. 44.8 D1426

17691 SLASSVOLD, P. Kostnadene ved utkjøring av melk. Meieriposten 34: 636-643, 653-656. Nov. 17, 24, 1945. 44.8 M47

Cost of milk distribution in Norway.

17692 SPENCER, L. "Every-other-day" delivery costs; New York survey of wartime distribution. Dairyman 63: 43. Feb. 1946. 44.8 D1426

17693 SPENCER, L., and LUKE, H. A. A study of milk delivery in the New York market. N. Y. Agr. Col. (Cornell) A. E. 534, 82 p., processed. Ithaca, 1945. 281.9 C81

17694 TOCORNAL, J. Los productores de leche deben mantener la unión; la Cooperativa Agrícola Lechera Santiago Limitada cumple con éxito su finalidad. Agrario 10(369): 11, 18. Oct. 15, 1945. 9.3 Ag85

#### Grading, Inspection, Standardization, and Quality

17695 ATHANASSOFF, N. A produção de leite bom e limpo. São Paulo. Sec. da Agr., Indus. e Com. B. de Agr. (ser. 44) 1943: 286-306. 1945. 9.2 Sa63

17696 BENTERUP, J. E. Standardiseringssprømalet for konsummjølk. Meieriposten 34: 649-651. Nov. 24, 1945. 44.8 M47

Standardization of fat content of consumer milk in Norway.

17697 BONDESEN, H. N. The control of the quality of milk supplies. Milk Plant Monthly 35(2): 25-26. Feb. 1946. 44.8 C864

Concerning sanitation.

17698 CHRISTIAN, C. F. Milk and cream inspection becoming more rigid. Miami Val. Co-op. Dairyman 16(11): 2. Oct. 1945. 280.28 M582

17699 EDGEELL, J. W. Cleanliness is essential. Dairyman 63(1): 25, 27. Jan. 1946. 44.8 D1426

17700 EMERSON, J. A. Another war--? for quality milk! West. Dairy J. 2(4): 11, 73-75. Feb. 1946. 44.8 W524

17701 HORRALL, B. E. How to produce clean milk. Dairy World [Chicago] 24(8): 27-28, 48-49. Jan. 1946. 44.8 D1423

17702 HUFFER, E. Quality milk as I see it. Dairy World [Chicago] 24(8): 11-14. Jan. 1946. 44.8 D1423

17703 KÜRSTEINER, J. Ueber den ersten exakten parallelversuch im alpkäsereigebiet. Schweiz. Zentbl. f. Milchw. 34: 227. Dec. 7, 1945. 44.8 Schw93

17704 MITCHEL, C. L. New dairy ideas. Creamery Coop., Feb. 1946, p. 8-10, 19. 280.28 C86 Dairy inspection.

17705 NETTO, F. A. Causas da má qualidade do leite. III. - Inadequada lavagem do aparelhamento. Rev. dos Criadores 16(10): 9-13. Oct. 1945. 43.8 R32

17706 NOYES, W. E. Check up on sanitation in your dairy plant. Natl. Butter and Cheese J. 37(2): 37-38, 58. Feb. 1946. 286.85 B98Bu

17707 ORTH, F. J. Is Food Ministry's plan practicable? Ice Cream Indus. 20(10): 23. Jan. 1946. 389.8 Ic24

Recommending that milk-solids-not-fat form the basis of an ice cream standard.

17708 PAULA E SILVA, A. S. DE. Revisiónemos a padronização dos queijos. Agr. e Pecuária 16 (268/269): 33-34. Aug./Sept. 1945. 9.2 Ag89

17709 TROUT, G. M. Plain words about better milk; advice that can save dairymen a lot of trouble. Jersey B. 65: 162, 206-208. Feb. 10, 1946. 43.8 J48

17710 WHELDON, F. E. Why dairymen should test their milk; responsibilities the retailer "buys" from previous owners of his supplies. Milk Indus. 26(7): 55, 57, 59, 61. Jan. 1946. 44.8 M593

#### Prices, Price Control, and Rationing

17711 BARTLETT, R. W. Effect of changes in seasonal prices on seasonal milk production in the Chicago and St. Louis milksheds. Ill. Farm Econ., No. 127/128, p. 321-323. Dec. 1945/Jan. 1946. 275.28 IL5

17712 MISNER, E. G. Against the direct-ratio-to-fat method of paying for fluid milk. Holstein-Friesian World 43: 234-237. Feb. 2, 1946. 43.8 H742

17713 STEWART, G. D. The State Milk Control Board [Georgia]; and how it can help. South. Dairy Prod. J. 39(2): 34-35. Feb. 1946. 44.8 So83

Emphasizes price control.

#### Processing and Storage

17714 ALLEN, B. Refrigeration [of milk]. Dairy Indus. 11(1): 38-47. Jan. 1946. 44.8 D1427

17715 BAKER, MRS. C. A. Churning with an electric mixer. Ohio Farmer 197(2): 25. Jan. 19, 1946. 6 Oh3

17716 BERTONASCO, E. T. Manufacture of Parmesan cheese from raw and pasteurized milk. Natl. Butter and Cheese J. 37(2): 34-35, 62-63. Feb. 1946. 286.85 B98Bu

17717 COCKX, J. E. There is no just reason for compulsory H. T. [heat treatment]. Dairyman 63(1): 27. Jan. 1946. 44.8 D1426



- 17718 THE COOLING of milk supplies. Dairy Indus. 11(1): 25-36. Jan. 1946. 44.8 D1427  
Contents: I. The producer's viewpoint, by H. S. Hall, p. 25-30; II. The purchaser's viewpoint, by L. J. Walker, p. 31-36; Discussion, p. 36-37, 47.
- 17719 CROSS, J. C. A peculiar reaction in sterile milk. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 132-134. 1945. 500 T31
- 17720 DAHLBERG, A. C. Study shows good keeping quality of pasteurized milk. Farm Res. [N. Y. State Sta.] 12(1): 17, 19. Jan. 1946. 100 N48A
- 17721 G., N. W. A dairy chemist asks: are the standard tests for heat treatment [of milk] efficient or practical? Milk Indus. 26(8): 59. Feb. 1946. 44.8 M593
- 17722 GALLASTEGUI, I., and RUIGOMEZ, V. Higienización de la leche; iniciación de este proceso en San Sebastián. Agricultura, Madrid, 14: 565-568. Nov. 1945. 15 Ag84
- 17723 GOULD, I. A., and FRANTZ, R. S. Formic acid content of milk heated to high temperatures as determined by the distillation procedure. J. Dairy Sci. 29(1): 27-31. Jan. 1946. 44.8 J822
- 17724 GOULD, I. A., WEAVER, E., and FRANTZ, R. S. Lactic acid in dairy products. IV. Effect of storage of evaporated milk on lactic and formic acid production, on pH, and on acidity and formol titrations. J. Dairy Sci. 29(1): 33-40. Jan. 1946. 44.8 J822
- 17725 GREENBANK, G. R., and others. The keeping quality of samples of commercially dried milk packed in air and in inert gas. J. Dairy Sci. 29(1): 55-61. Jan. 1946. 44.8 J822  
P. A. Wright, E. F. Deysher, and G. E. Holm, joint authors.
- 17726 GROULX, A. Pasteurization in the Province of Quebec, with special reference to Montreal. Canad. J. Pub. Health 37(1): 17-21. Jan. 1946. 44.8 P964
- 17727 HOOD, E. G., and HYLKA, I. Clarifying milk for cheesemaking. Natl. Butter and Cheese J. 37(2): 39-40, 42. (Cont.) Feb. 1946. 286.85 B98Eu
- 17728 JUNKISON, F. Shall it be fresh milk or pasteurized milk? Dairy Goat J. 24(1): 11. Jan. 1946. 40.18 M592
- 17729 LEE, P. N. Should it be pasteurized? A doctor makes his diagnosis. Dairyman 63(1): 5. Jan. 1946. 44.8 D1426
- 17730 MILCHPULVERFABRIK SULGEN. Geschäftsbbericht, 14, 1944/45. Schweiz. Zentbl. f. Milchw. 34: 225. Dec. 7, 1945. 44.8 Schw93
- 17731 NETTO, F. A. Leite à vontade pela pasteurização de curta duração. Rev. dos Criadores 16(11): 30-32. Nov. 1945. 43.8 R32
- 17732 NEWALL, A. P. Deep-freezing [as alternative to pasteurization of milk]. Dairyman 63: 65, 67. Feb. 1946. 44.8 D1426  
Reply to article by J. G. Davis.
- 17733 PYENSON, H., and TRACY, P. H. A spectrophotometric study of the changes in peroxide value of spray-dried whole milk powder during storage. J. Dairy Sci. 29(1): 1-12. Jan. 1946. Ref. 44.8 J822
- 17734 QUINTERO, A. Ganadería; la leche. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(13): 6-7. Apr. 1945. 15 Sp12
- 17735 RAMÍREZ, C. A. La técnica aplicada a la quesería. Agrario 10(367): 7. Aug. 31, 1945. 9.3 Ag85
- 17736 REID, A. W. Control of process losses. I. Wastage means money and must be eliminated; II. Volume reduction during pasteurisation. Dairyman 63: 15, 17, 61, 63, 67. Jan., Feb. 1946. 44.8 D1426
- 17737 RIBEIRO, J. A. Vamos fazer queijos? Rev. dos Criadores 16(11): 55-58. (To be cont.) Nov. 1945. 43.8 R32
- 17738 ROGICK, F. A. Ligeiro estudo sobre a tecnologia do queijo tipo Minas. Soc. Paul. de Med. Vet. B. 6: 166-170. Dec. 1944. 41.9 Sol3
- 17739 RUEHE, H. A. Butter making. What's New in Home Econ. 10(6): 128, 130. Feb. 1946. 321.8 W55
- 17740 SAMMIS, J. L. Problems in cheesemaking. Dairy Goat J. 24(1): 12. Jan. 1946. 40.18 M592
- 17741 TRESSLER, D. K. Frozen fruit purees in ice cream. Ice Cream Field 47(1): 32, 60-61. Jan. 1946. 389.8 Ic23
- 17742 VAN DER RIET, C. M. Production of milk for cheesemaking. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 180, 2 p. Pretoria, 1946. 24 So82Pa  
Care and handling of milk.
- 17743 WILSON, W. L. Quality milk control. South. Dairy Prod. J. 39(2): 50. Feb. 1946. 44.8 So83  
Care and handling.

## FEED AND FORAGE CROPS

- 17744 ALLEN, L. C. Plains dairymen have price and feed troubles. Prog. Farmer, Tex. Ed. 61(2): 22. Feb. 1946. 6 T311
- 17745 ARCHIBALD, J. G. The current feed situation. New England Homestead 119(1): 26. Jan. 12, 1946. 6 N442
- 17746 BAILEY, F. USDA restores WFO 9 to prevent shortages in feeding areas. Cotton and Cotton Oil Press 47(2): 18. Jan. 26, 1946. 304.8 C822
- 17747 BETHKE, R. M. Future of feeds and feeding. Grain and Feed Rev. 35(5): 10. Jan. 1946. 280.28 C78
- 17748 BOPST, L. E. Feed control activities. Flour & Feed 46(8): 14. Jan. 1946. 298.8 F66  
Work of Association of American Feed Control Officials.
- 17749 BREW, W., and SCOTT, M. B. Chemical determination of vitamin A in mixed feeds and feed-stuffs. Indus. and Engin. Chem., Analyt. Ed. 18(1): 46-48. Jan. 1946. 381 J825A
- 17750 COHN, M. F. Evils beset the industry. Flour & Feed 46(8): 37. Jan. 1946. 298.8 F66
- 17751 COOLICAN, P. W. Expansion of balanced feeding in West will bring new demands on meat meal. Canad. Grain J. 1(6): 17. Jan. 1946. 59.8 C16
- 17752 CUNNINGHAM, L. C. Feed supplies and livestock needs. (Extr.) Feedstuffs 18(2): 66-67. Jan. 12, 1946. 286.81 F322
- 17753 DODSON, G. M. Pause or proceed? Feedstuffs 18(1): 41. Jan. 5, 1946. 286.81 F322  
Feed selling.
- 17754 FEED INDUSTRY COUNCIL. Report. Feedstuffs 18(6): 53-59. Feb. 9, 1946. 286.81 F322  
Gives feed requirements of the livestock industry.
- 17755 FIELD, R. M. Business of the AFMA. Flour & Feed 46(8): 16. Jan. 1946. 298.8 F66  
American Feed Manufacturers Association.
- 17756 GARDNER, W. Consumer acceptance. Feedstuffs 18(2): 22-23. Jan. 12, 1946. 286.81 F322  
Feed marketing.
- 17757 GOETTLER, B. "Record feed supply" - but farmer doubts it. Prairie Farmer, Gen. Ed. 118(3): 5. Feb. 2, 1946. 6 P883
- 17758 HALVORSON, H. A. Processing feed complaints. Flour & Feed 46(8): 20. Jan. 1946. 298.8 F66
- 17759 HASBROUCK, F. Control officials work with feed manufacturers. Flour & Feed 46(8): 22. Jan. 1946. 298.8 F66

- 17760 HEFFELFINGER, F. P. Farm legislation as it affects grain, feed and milling trade. Grain & Feed J. Consolidated 96: 55. Jan. 23, 1946. 298.8 G762
- 17761 HIRSCH, A. Feed shortage may be critical by summer; indications are that grains as well as proteins may be scarce by July. Poultry Supply Dealer 23(1): 14, 37. Jan. 1946. 47.8 B11
- 17762 IJAMS, P. Feed control in Kansas. Flour & Feed 46(8): 37. Jan. 1946. 298.8 F66
- 17763 IJAMS, P. Revised Kansas law. Flour & Feed 46(9): 38-40. Feb. 1946. 298.8 F66  
Regulation of feed stuffs.
- 17764 KELLOGG, J. W. Feeds during the war. Flour & Feed 46(8): 24. Jan. 1946. 298.8 F66
- 17765 KIESER, C. F. The feed industry in 1946. Flour & Feed 46(8): 31. Jan. 1946. 298.8 F66
- 17766 MCINTOSH, O. O. The feed outlook not too rosy. West. Dairy J. 2(4): 81. Feb. 1946. 44.8 W524
- 17767 MCMILLEN, D. W. Survey of the feed situation. Flour & Feed 46(8): 18. Jan. 1946. 298.8 F66
- 17768 MADDOX, R. A. Feed control work in Mississippi. Flour & Feed 46(8): 17. Jan. 1946. 298.8 F66
- 17769 MILLER, P. E. The more we work together; feed industry and educational worker should meet on common ground. Feedstuffs 18(2): 32, 34-37, 40. Jan. 12, 1946. 286.81 F322
- 17770 MURPHY, J. H. Price regulations circumscribe feed activity. Flour & Feed 46(8): 30. Jan. 1946. 298.8 F66
- 17771 PHILLIPS, R. A. History shows feed prices incline. Feedstuffs 18(2): 14. Jan. 12, 1946. 286.81 F322
- 17772 PLUMB, C. R. Co-operation in New York. Flour & Feed 46(8): 23. Jan. 1946. 298.8 F66  
Manufacturers and distributors assist law enforcement officials.
- 17773 RAY, S. Values in consumer education. Feedstuffs 18(6): 32-33. Feb. 9, 1946. 286.81 F322  
Educating the farmer on the subject of feeds.
- 17774 ROBERTS, A. Play safe with ample [feed] reserves. Feedstuffs 18(1): 32-33. Jan. 5, 1946. 286.81 F322
- 17775 SMITH, S. S. Benefits of co-operation. Flour & Feed 46(8): 36. Jan. 1946. 298.8 F66  
Feed control work in Virginia.
- 17776 WHERRY, L. Feed Industry Council. Flour & Feed 46(8): 38. Jan. 1946. 298.8 F66
- 17777 YOUNG, N. R. The feed situation. Coop. Poultryman 11(1/2): 4. Jan./Feb. 1946. 47.8 C782
- 17784 BELLWOOD, L. Wool industry problems and future [Great Britain]. Textile Mfr. 71: 506-508. Dec. 1945. 304.8 T3126
- 17785 BENTLEY, F. Cotton waste [spinning]. Textile Mfr. 71: 524-527. Dec. 1945. 304.8 T3126
- 17786 BERGEN, W. VON. Woollen and worsted industries [Germany]. Textile Mfr. 72(853): 32-35. Jan. 1946. 304.8 T3126  
Includes fiber used.
- 17787 BERTONE, E. Simple improvements increase capacity of Colorado A & M wool laboratory. Colo. Farm B. [Colo. Sta.] 7(6): 12-13. Nov./Dec. 1945. 100 C715
- 17788 BEYERLEY, W. G. A universal yarn-count system; move for adoption in Britain. Textile J. Austral. 20: 487, 492. Dec. 20, 1945. 304.8 T3134
- 17789 BITUKOV, K. K. Pervichnaia obrabotka l'na [Preliminary flax processing]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 27, 8-p. folder. Moskva, 1945. 20 Ag88
- 17790 CALDWELL, S. A. G. Flax can be run on cotton and worsted machinery. Textile World 96(1): 106-107, 200. Jan. 1946. 304.8 T315
- 17791 CALDWELL, S. A. G. Recent developments in flax production and spinning. Textile Mfr. 71: 529, 530. Dec. 1945. 304.8 T3126
- 17792 CHANG, K. H. Study of China wool production and its types. Com. B. 88(4643): 24. Feb. 9, 1946. 286.8 C736
- 17793 CLARKE, P. Pesquisas industriais. Observador Econ. e Financ. 10(118): 49-50. Nov. 1945. 280.8 Ob72  
New fibers and textiles, including synthetic ones.
- 17794 COBB, L. L. Processing procedures for spun rayon yarns. Cotton [Atlanta] 110(2): 111-114. Feb. 1946. 304.8 C823  
Article 4.
- 17795 CROOK, A. Evershed report on cotton spinning; a criticism. Textile Weekly 36: 1254, 1256. Dec. 28, 1945. 304.8 T3127
- 17796 DALGETY'S annual wool review for Australia and New Zealand, 1944/45, 101 p. Sydney, 1945? 23 Au75A  
Contains The Australian and New Zealand wool trade, annual review and statistics, season 1944-45, by Dalgety and Company Limited, p. 1-4; and Australian trade topics, important events reviewed, wool's leadership, by S. N. Houston, p. 42-51.
- 17797 DAVIS, S. P. Wool shrinkage work at the A. & M. College of Texas. Sheep and Goat Raiser 26 (5): 9. Feb. 1946. 45.8 Sh3
- 17798 DIXON, L. F. The future of seed flax straw. Chemurg. Digest 5: 60-62. Jan. 31, 1946. 381 N213Na
- 17799 EDRIS, E. G. Wool in 1946. Ohio Farm Bur. News 25(7): 20. Feb. 1946. 6 Oh34
- 17800 EFFICIENCY in flax hackling. By "Flaxman." Textile Rec. 63(754): 42-43. Jan. 1946. 304.8 T311
- 17801 EYRE, N. Testing of yarns and fabrics; description of the various identification tests applied to fibres, yarns and fabrics to distinguish animal, vegetable and synthetic types. Textile Mfr. 72(853): 41-43. Jan. 1946. 304.8 T3126
- 17802 FAWCETT, C. J. Serious wool [marketing] problem now threatens future of our sheep industry. Natl. Live Stock Prod. 24(5): 5, 12. Feb. 1946. 280.38 N21
- 17803 FOREMAN, J. Joe Walker directs fiber research in Cuba. Ark. Agr. 23(5): 6, 18. Jan. 1946. 276.8 Ar42
- 17804 FRISK, P. W. Economics of viscose rayon manufacturing. Rayon Textile Monthly 27(1): 69-71. Jan. 1946. 304.8 R21

## FIBERS AND TEXTILES



- 17805 GOOT, H. Hairiness in wool. Pt. II. - Yearly changes in hairiness in New Zealand Romney Marsh Sheep. New Zeal. J. Sci. and Technol. Sect. A, Agr. 27: 173-167. Aug. 1945. 514 N48A
- 17806 HAGEN, J. F. Methods for unretted flax and hemp. Textile Mfr. 72(853): 28-30. Jan. 1946. 304.8 T3126
- 17807 HALL, A. J. Wool and rayon: a review of their relationship. Silk & Rayon 19: 1354-1355, 1357. Dec. 1945. 304.8 S132
- 17808 HEARD, E. Experimental spinning plant--Denkendorf. Textile Mfr. 72(853): 30-32. Jan. 1946. 304.8 T3126  
Experiments with rayon.
- 17809 JOHNSTON, O. Cotton interests during 1946 must begin the greatest offensive attack on markets ever started by a major farming element. Cotton Trade J. 26(4): 9, 12. Jan. 26, 1946. 72.8 C8214
- 17810 JONES, J. M. 1945 activities of National Wool Growers Association. Sheep and Goat Raiser 26(4): 34-35. Jan. 1946. 45.8 Sh3
- 17811 KEITH, E. B. Prospect held to be bright for wool, futures trading in 1946. Com. B. 88(4643): 21. Feb. 9, 1946. 286.8 C736
- 17812 KERNAHAN, S. P. Modern wool. Poultry Farmer [Sydney] 13(4): 24-26. July 28, 1945. 280.28 Or32  
Research and new developments in wool, and synthetic protein fibers.
- 17813 LEACH, L. L. German manufacture of continuous and staple fibres. Textile Mfr. 71: 534-539. Dec. 1945. 304.8 T3126
- 17814 LINDSAY, H. T. Native wool must meet world price competition. Com. B. 88(4643): 11. Feb. 9, 1946. 286.8 C736
- 17815 LIPSON, M., and HOWARD, P. Friction between keratin surfaces as affected by some shrink-proofing treatments. Soc. Dyers and Colourists. J. 62(1): 29-32. Jan. 1946. 306.9 Sol  
Wool and other animal fibers.
- 17816 LUCE, S. L. Record wool consumption on scoured basis in 1945. Com. B. 88(4643): 15. Feb. 9, 1946. 286.8 C736
- 17817 MAY, B. M. Peace time ahead holds great promise for rayons. Rayon Textile Monthly 27(1): 50. Jan. 1946. 304.8 R21
- 17818 MILLOWNERS' ASSOCIATION, BOMBAY. Report, 1944, 162 p. Bombay, 1945. 304.9 B63  
Cotton milling industry.
- 17819 MOMBERT, O. Marketing of British wool; pre-war system extolled. Wool Rec. and Textile World 69: 135-137, 139, 141, 143, 145. Jan. 17, 1946. 45.8 W884
- 17820 MOORE, J. H. The cotton fiber laboratory produces results; the last of a two-part article outlining fiber qualities necessary to obtain strength and quality in yarns. Cotton [Atlanta] 110(2): 107-110. Feb. 1946. 304.8 C823
- 17821 MOSCOSO, A. Un moderno sistema para el enriado del cáñamo. Agricultura [Madrid] 14: 561-564. Nov. 1945. 15 Ag84
- 17822 NARAYAN, N. L. Classing and agmarking of Indian wools. Indian Vet. J. 22: 169-171. Nov. 1945. 41.8 In2
- 17823 NAYLOR, F. C. Spinning yarns for pile fabrics. Wool Rec. and Textile World 69: 82-83, 85. Jan. 10, 1946. 45.8 W884
- 17824 OLIVER, J. G. Rayon went to war: the enemy control of production facilities; consumption and uses of rayon during the war. Silk & Rayon 19: 1274, 1277-1278. Dec. 1945. 304.8 S132
- 17825 FANSE, V. G., KALAMKAR, R. J., and SHALIGRAM, G. C. A large-scale yield survey on cotton. Cur. Sci. 14: 287-291. Nov. 1945. 475 Sci23
- 17826 PATTERSON, A. N. Importance of pH and crease residue within the fibre. Textile J. Austral. 20: 491, 492. Dec. 20, 1945. 304.8 T3134  
Tests on wool fiber.
- 17827 POOLE, M. E. Jute: vitally essential product in world trade. Foreign Com. Weekly 22(4): 6-11, 44. Jan. 26, 1946. 157.54 F763  
Survey of the industry.
- 17828 RADCLIFFE, J. W. Modern methods of wool carding. Textile Mfr. 72(853): 10-12. Jan. 1946. 304.8 T3126
- 17829 RAYON in Germany's war effort; continuing the report...of investigations carried out at the Dormagan plant of the I. G. Farbenindustrie by H. M. Kindavater and R. S. Krausen of the Chemical Warfare Service. Textile Mercury and Argus 114: 49. Jan. 11, 1946. 304.8 T318
- 17830 REINER, A. J. A industrialização da lã na campanha. Orientação Econ. e Financ. 4(40): 23-24. Sept. 1945. 280.8 Or42
- 17831 REVIMW of Japan's silk industry. Silk J. and Rayon World 21(260): 40, 42, 44. Jan. 1946. 304.8 S13
- 17832 RIEMER, H. Present-day position of the Japanese textile industry. (Abs.) Textile Rec. 63(754): 63, 67. Jan. 1946. 304.8 T311  
Includes the raw silk situation.
- 17833 SANDERSON, J., & CO. Effects of the war in Australia wool trade. Com. B. 88(4643): 19, 20. Feb. 9, 1946. 286.8 C736
- 17834 SEN, D. L., and AHMAD, N. Use of cotton bags for storing sugar. Indian Textile J. 56(662): 135-141. Nov. 1945. 304.8 In2
- 17835 SLOAN, G. A. The oncoming challenge to cotton. Cotton and Cotton Oil Press 47(2): 9, 12-13, 16-17. Jan. 26, 1946. 304.8 C822
- 17836 SMITH, C. C. Small crop, increased exports, high price reduce stocks; loan chief reviews CCC's cotton program with future prospects. Cotton Trade J. 26(5): 6. Feb. 2, 1946. 72.8 C8214
- 17837 SMITH, G. Brands in wool. Westralian Farmers' News 7(321): 6. Dec. 13, 1945. 280.28 W523  
Injuries by branding.
- 17838 SPEAKMAN, J. B. The constitution, properties and uses of wool. Textile Rec. 63(754): 47-49. (To be cont.) Jan. 1946. 304.8 T311
- 17839 TILTON, H. A. Boston wool trade looks for another big year. Com. B. 88(4643): 13, 16. Feb. 9, 1946. 286.8 C736
- 17840 TISDALE, W. H. J. Canada finds trend to western areas in sheep industry. Com. B. 88(4643): 23. Feb. 9, 1946. 286.8 C736  
The Canadian wool industry.
- 17841 WEST INDIAN SEA ISLAND COTTON ASSOCIATION (INCORPORATED). Report of the... ordinary general meeting, 10th, 1945, 16 p. Trinidad, 1945. 281.3729 W52  
Contains statistics of the British West Indies sea island cotton industry and, p. 14-15, a paper on the future of the industry.
- 17842 WHITNEY, L. M. Rayon in 1946. Chemurg. Digest 5(1): 25-26. Jan. 15, 1946. 381 N213Na
- 17843 WHITTAKER, C. M. Tools for the intelligent; the potentialities of rayon blends are enormously extended by control of such factors as staple length, denier, lustre, etc. (Abs.) Textile Mfr. 72(853): 44-46. Jan. 1946. 304.8 T3126
- 17844 WOOL: maker of men; Australia's golden fleece. Wool Rec. and Textile World 69: 67-69. Jan. 10, 1946. 45.8 W884  
Sheep raising.
- 17845 ZELOMEK, A. W. American view of future. Meat and Wool 98(3): 3. Dec. 10, 1945. 286.84 M463  
Outlook for the world wool industry.



## FRUITS, VEGETABLES, AND NUTS

## Analysis and Composition

- 17846 BLUMM. Bericht über das weinjahr 1944. Deut. Weinbau 24(1): 11. Jan. 1945. 95.8 D48  
The grape situation.
- 17847 COE, F. M. French fruit industry and Army school experiences. Utah Farmer 65(12): 15. Feb. 10, 1946. 6 D45
- 17848 COOPER, J. F. Citrus suggestions for 1946. Citrus Indus. 27(1): 3. Jan. 1946. 80 C49
- 17849 HAZANOFF, A. Almond industry in Pal. (In Hebrew.) Hassadeh 26: 89-91. (Concl.) Dec. 1945. 26 H27
- 17850 JOHNSON, C. F. Good year for Prospect-Hudson growers. Through the Leaves 33(6): 34. Nov./Dec. 1945. 66.8 T41  
Beet growing in Colorado.
- 17851 KIDD, A. L. Canaan valley [West Virginia] cauliflower crop. Natl. County Agent 2(2): 27. Feb. 1946. 275.28 N213
- 17852 MILLER, C. R. What's ahead for apples and peaches? Country Gent. 116(2): 35, 70. Feb. 1946. 6 C833
- 17853 NILSSON, F. Prospects for fruit-growing in Sweden. Skand. Banken. Q. Rev. 27(1): 16-22. Jan. 1946. 284.9 Sk1
- 17854 PICASSO, J. A. Origen de la vid en America. Vinos, Viñas y Frutas 41: 252-254. Dec. 1945. 9 Ag89
- 17855 QUEBEC. SERVICE PROVINCIAL DE L'INFORMATION ET DES RECHERCHES. Repasse en horticulture [1945]. Terre de Chez Nous 18(13): 1, 19. Jan. 2, 1946. 7 T27  
Includes tobacco and honey.
- 17856 ROMERO MONTERO, R. La naranja española se abre de nuevo paso en el mundo. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(17): 2-3, 16. Aug. 1945. 15 Spl2
- 17857 SCHREIBER, W. R. Filbert production in the Mediterranean Basin last year. Calif. Fruit News 113(3004): 4-5. Feb. 2, 1946. 80 C12
- 17858 SCHREIBER, W. R. World dried peach production smaller. Calif. Fruit News 113(3002): 3-5. Jan. 19, 1946. 80 C12
- 17859 SCHREIBER, W. R. World prune production up for 1945; little change from prewar industry pattern seen in early postwar years. Sunsweet Standard 39, i. e. 29(8): 2-4, 10, 12-14. Jan. 1946. 286.83 Su7
- 17860 SCHRUMPF, W. E. The potato situation. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 61, p. 1344-1348, processed. Jan. 1946. 275.29 M281F
- 17861 STARK, A. L. Utah fruit growers contribute to victory; now must plan for peace era. Utah Farmer 65(10): 6. Jan. 10, 1946. 6 D45
- 17862 STUCKEY, H. P. Everybody eats potatoes; for that reason the farmer can count on a fairly steady demand for his crop. South. Agr. 76(2): 43. Feb. 1946. 6 S63
- 17863 TYACKE, R. Trends of vegetable growing industry. Primary Prod. [Sydney] 22(51): 3. Dec. 28, 1945. 23 P93
- 17864 WELLING, T. R. Fruit industry aided by services of State Agriculture Department. Utah Farmer 65(10): 6, 23. Jan. 10, 1946. 6 D45
- 17865 WOLFF, E. Money in blueberries; a seemingly bottomless demand for blueberries in the U. S. has caused prices for Quebec berries to soar. Family Herald and Weekly Star 76(50): 7. Dec. 12, 1945. 7 F21
- 17866 YAHALIAM, S. The grapes exhibition at Mikveh-Israel. (In Hebrew.) Hassadeh 26: 120-122. Dec. 1945. 26 H27
- 17867 BALL, E. The raw material for cider-making. Chem. & Indus., No. 4, p. 38-39. Jan. 26, 1946. 382 M31C  
Analysis of apples and apple juice.
- 17868 THE ENZYMIC synthesis and degradation of starch; part I. The synthesis of amylopectin, by E. J. Bourne and S. Peat; part II. The amylolytic function of the Q-enzyme of the potato, by E. J. Bourne, A. Macey, and S. Peat. Chem. Soc. J., Dec. 1945, p. 877-888. 382 L84J  
The first paper discusses potato starch.
- Consumption and Utilization
- 17869 BATRA, K. C. Pectin from apple peels. Punjab Fruit J. 9: 168. Oct. 1945. 80 P962
- 17870 MORRIS, R. H., III. Vegetable wastes, their availability and utilization. Food Packer 27(2): 43-44, 52. Feb. 1946. 286.83 C165
- 17871 RECK, S. H., JR. He squeezes income out of orchard waste. N. J. Farm and Gard. 17(2): 16, 61. Feb. 1946. 6 G162
- Distribution, Marketing, and Transportation
- 17872 BENN, H. W. Harvesting and shipping early potatoes. Amer. Potato J. 23(1): 23-31. Jan. 1946. 75.8 P842
- 17873 BLANCH, G. E. Economic aspects of well-colored fruit. N. Y. Agr. Col. (Cornell). Farm Econ., No. 148, p. 3790-3792. Dec. 1945. 280.8 C812  
Marketing of apples.
- 17874 BLOUNT, J. P. Well, what about air rates? West. Grower and Shipper 17(3): 6-7. Feb. 1946. 280.38 W52  
For fruit and vegetables.
- 17875 BREEDEN, T. M. Vegetables by air. Contact 11(4): 1, 7. Dec. 1945. 80 C76
- 17876 BRYANT, H. The potato market; northeast in best position. Amer. Agr. 143: 54-55. Feb. 2, 1946. 6 Am3
- 17877 JOLLY, G. S. Co-operation needed among fruit growers [Australia]. N. S. Wales. Dept. Agr. Div. Mktg. and Agr. Econ. Rev. Mktg. and Agr. Econ. (n. s.) 13: 303-306, processed. Nov. 1945. 286.8 N47M
- 17878 LJUNG, L. A woman's viewpoint. Calif. Fruit and Veg. Rev. 6(11): 23, 65. Feb. 1946. 80 C1224  
Airborne fruits and vegetables.
- 17879 OXARART, F. California growers of fruit and vegetables, must take to the air. Calif. Fruit and Veg. Rev. 6(11): 23, 51, 53. Feb. 1946. 80 C1224
- 17880 RASMUSSEN, M. P. Family income and quantities of vegetables sold during wartime. N. Y. Agr. Col. (Cornell). Farm Econ., No. 148, p. 3782-3786. Dec. 1945. 280.8 C812
- 17881 ROBINSON, R. A. For market growers: the several ways in retail selling. Smallholder 74 (1869): 7. Jan. 11, 1946. 10 Sml
- 17882 TAWSE, W. J. Plan for marketing apples an immediate consideration. Canad. Hort. and Home Mag. Growers' Ed. 69(1): 4. Jan. 1946. 80 C16
- 17883 VAIL, B. B. New era in selling produce. Contact 11(4): 2. Dec. 1945. 80 C76  
Merchandising fresh fruits and vegetables.
- Grading, Inspection, Standardization, and Quality
- 17884 BAUM, B. C. "Orange juice"—words; orange juice—the thing. Food Indus. 18: 191, 308, 310. Feb. 1946. 389.8 F737  
Standardization of the product.
- 17885 COBB, J. S. Test for best potatoes. Hoard's Dairyman 91: 71. Jan. 25, 1946. 44.8 H65



17886 LUCE, W. A. Easterners shocked by poor fruit here. Better Fruit 40(7): 6. Jan. 1946. 80 B46

Care and handling of apples in the Northwest.

17887 ROBINSON, R. A. Grading pays with green vegetables. Smallholder 74(1871): 7. Jan. 25, 1946. 10 Sml

#### Packing and Packaging

17888 MCCLELLAN, J. Packaged perishables. Forecast for Home Econ. 62(2): 38-40. Feb. 1946. 32L8 F76

Fruits and vegetables washed and wrapped in cellophane.

17889 ROBINSON, R. A. Selecting and packing salad crops. Smallholder 74(1870): 7. Jan. 18, 1946. 10 Sml

#### Prices, Price Control, and Rationing

17890 BLANCH, G. E. Apple quality and its effect on price and rate of sale. Cornell U. Abs. Theses 1944: 199-203. 1945. 24L8 C81

17891 LIFFITT, M. L. O.P.A. changes its mind. Wholesale Grocer News 20(10): 95-96. Jan. 1946. 286.83 W622

Restoration of ceiling prices on citrus fruit.

17892 SCOVILLE, G. P. Marketing apples under O. P. A. M. Y. Agr. Col. (Cornell). Farm Econ., No. 148, p. 3779-3782. Dec. 1945. 280.6 C812

Prices and quality.

#### Processing and Storage

17893 AUSTRALIA. AUSTRALIAN CANNED FRUITS BOARD. Ann. Rpt. 19, 1944/45, 10 p. Canberra, 1945. 286.3939 Au7

17894 BAKER, G. L., and WOODMANSEE, C. W. Sweet potato gels - something new. Food Indus. 18: 196-197. Feb. 1946. 389.8 F737

17895 CARLTON, R. T., and CLOUD, H. R. Dehydrated orange juice. Citrus Indus. 27(1): 12-14. Jan. 1946. 80 C49

17896 CHILDS, J. F. L., and SIEGLER, E. A. Controlling orange decay; thiourea, thioacetamide, 2-aminothiazole, and quinosol in aqueous solution. Indus. and Engin. Chem. Indus. Ed. 38(1): 82-87. Jan. 16, 1946. 381 J825

17897 DIEHL, H. C. Need of technological supervision in the food industry, with special reference to the selection, preparation and freezing of fruits and vegetables. Part I. Refrig. Engin. 51: 123-125, 153-154. Feb. 1946. 295.9 Am32J

17898 ELLIS, M. G. Pear bath. Family Herald and Weekly Star 76(50): 6. Dec. 12, 1945. 7 F21

Warm water bath upon removal from cold storage.

17899 LUND, A. A. Vitamin blocks color loss in frozen fruit packs. Food Mater. and Equip. 6(1): 3, 9. Jan. 1946. 389.8 F7393

Synthetic vitamin C as a processing tool.

17900 MITCHELL, C. Preservation of fruit & vegetables on the farm & in the home; cherries. Agr. Gaz. N. S. Wales 56: 559-560. Dec. 1, 1945. 23 N472

17901 REID, E. B. How will you have your citrus juice? Citrus Leaves 26(1): 11, 30. Jan. 1946. 30 C492

Frozen citrus concentrate.

17902 ROUSSEAU, P. M. Aptitudes au séchage de variétés d'abricots. Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc. 15: 243-245. Nov. 1945. 80 F9482

17903 ROUSSEAU, P. M. Le stockage des olives par le froid. Fruits et Primeurs de l'Afrique du Nord. Ed. Maroc. 15: 204-207. Oct. 1945. 80 F9482

17904 SÁNCHEZ DÍAZ, A., and BAJA, A. DI. La conservación de pulpa de fruta en envases de madera. Rev. de Med. y Cien. Afines 7: 792-794. Nov. 30, 1945. 448.8 R329

17905 SIEMERS, G. F. To blanch or not to blanch--frozen apricots, peaches. Frosted Food Field 2(1): 13, 16. Jan. 1946. 389.8 F922

17906 STADTMAN, E. R., and others. Storage of dried fruit; influence of moisture and sulfur dioxide on deterioration of apricots. Indus. and Engin. Chem. Indus. Ed. 38(1): 99-104. Jan. 16, 1946. 381 J825

H. A. Barker, E. M. Mrak, and G. Mackinney, joint authors.

17907 STAHL, A. L. Tests prove best methods of citrus heart freezing. Quick Frozen Foods 8(6): 59. (To be cont.) Jan. 1946. 389.8 Q4

17908 STOUT, C. J. Frozen strawberry preserves. South. Canner & Packer 7(1): 13, 18, 21. Jan. 15, 1946. 389.8 S882

17909 TRESSLER, D. K. If I were a canner planning to freeze. Frosted Food Field 2(2): 1, 30-31. Feb. 1946. 389.8 F922

Fruit and vegetables.

17910 TROUT, S. A., and HALL, E. G. Modern methods of dehydration of apricots, peaches and pears. Agr. Gaz. N. S. Wales 56: 555-558, 570. Dec. 1, 1945. 23 N472

17911 VAN DEVENTER, B. Preservation of fruit and vegetables. Union So. Africa. Dept. Agr. and Forestry. Inform. Housewives, No. 89, 2 p. Pretoria, 1945. 24 S881

17912 WOODROOF, J. G. Georgia develops new method of freezing Muscadine grapes. Frosted Food Field 2(2): 16. Feb. 1946. 389.8 F922

17913 WOODROOF, J. G. Quality of frozen fruits should be improved. Quick Frozen Foods 8(6): 58-59. Jan. 1946. 389.8 Q4

Freezing hints and the value of grading.

#### Statistics

17914 CONNECTICUT. DEPT. OF AGRICULTURE. Connecticut vegetable acreages 1943 - 1944 - 1945. Conn. Dept. Agr. B. 92, 12 p. Hartford, 1945. 2 C76B

17915 SCHREIBER, W. R. World shelled almond output. Calif. Fruit News 113(3003): 3-5, 9. Jan. 26, 1946. 80 C12

17916 SCHRUMPF, W. E. Maine's share of potato stocks nearly doubled from 1920 to 1946. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 61, p. 1349-1350, processed. Jan. 1946. 275.29 M281F

17917 VILLARREAL L., R., ACOSTA V., L., and VARGAS ORTIZ, A. Monografías comerciales: fresa; producción nacional. Mex. Dir. de Econ. Rural. B. Mens., No. 236, p. 1212-1221. Jan. 1946. 254.5 Ag83

Statistical survey of the industry.

#### GRAIN AND GRAIN PRODUCTS

17918 AMOS, A. J. Flour--past, present and future. Arkady Rev. 23(1): 2-5. Jan. 1946. 389.8 Ar4

Nutritive and baking quality of 80 percent flour.

17919 BOGUE, A. Canada's oat acreage produced 378 million bushels in 1945. Saskatchewan Farmer 37(3): 13. Feb. 1, 1946. 7 S474

17920 CARTER, E. P., and YOUNG, G. Y. Factors producing sick wheat in storage. Miller 72(3494): 31-34. Jan. 7, 1946. 298.8 M61

17921 CLENDEFINING, K. A. Polarimetric determination of starch in cereal products. IV. Critical studies of methods for the determination of starch in whole wheat, granular, and patent flour. Canad. J. Res. Sect. B. Chem. Sci. 23: 239-259. Nov. 1945. 470 C16B



- 17922 CONTESSE BACHELET, M. Carne, leche y trigo. *Agrario* 10(369): 14. Oct. 15, 1945. 9.3 Ag85  
A wheat policy for Chile.
- 17923 EVA, W. J., and RANKIN, E. E. A comparison of five methods for determining starch content of wheat. *Canad. J. Res. Sect. B, Chem. Sci.* 23: 260-268. Nov. 1945. 470 C16B
- 17924 GLABAU, C. A. What the 80 percent flour will be like. *Bakers' Weekly* 129(7): 47-48, 62. Feb. 18, 1946. 389.8 B172
- 17925 HANSON, W. H. Changes in the viscosity and baking properties of soft wheat flours milled from new crop wheats upon storage. *Amer. Assoc. Cereal Chem. Trans.* 4: 33-36. Jan. 1946. 59.9 Am3T
- 17926 HARRIS, R. H., and WALDRON, L. R. The relation of test weight and protein content to the milling and baking quality of hard red spring wheat hybrids. *J. Agr. Res.* 72: 131-136. Feb. 1, 1946. 1 Ag84J
- 17927 HLYNKA, K. Laboratory tests wheat quality by actual milling and baking. *Canad. Grain J.* 1(3): 9-10. Oct. 1945. 59.8 C16  
Second of a series of articles.
- 17928 KUEHL, H. Die Veränderungen der beschaffenheit von getreide und mehl von ernte zu ernte. *Mehl und Brot* 45: 1-2. Jan. 5, 1945. 389.8 M47
- 17929 LUND, E. E. Rice production in the United States. *Dom. Com.* 34(3): 36-37. Feb. 1946. 157.54 D713  
Statistical.
- 17930 MCNEELY, M. W. F. Wright analyzes Arkansas County [Ark.] rice situation. *Rice J.* 49(1): 18, 20-21. Jan. 1946. 59.8 R36
- 17931 NUÑEZ, A. El uso del maíz. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 440. Nov. 22, 1945. 9.9 G15B
- 17932 OXLEY, T. A. The spontaneous heating of stored cereals. *Roy. Col. Sci., London. Sci. J.* 15: 71-80. 1945. 501 L8484
- 17933 PARSONS, F. L. Wheat farming: a look ahead. *Northwest. Miller* 225(3): 19-20, 26, 30, 35, 37-39. Jan. 15, 1946. 298.8 N81
- 17934 PINZON C., E. Resumen sobre la realidad de la industria triguera en Colombia. *Cult. Agr.* 5(49): 13, 42, 49. (To be cont.) Dec. 1945. 9.4 C89
- 17935 S., B. Die verwertung der getreideüberschüsse des weltmarktes. *Schweiz. Bauernztg.* 45: 47. Dec. 1945. 280.28 Sch93
- 17936 SLIGHT, A. M. Barley--varieties and malting qualities. *Scot. Farmer* 54: 278. Jan. 5, 1946. 10 Sco8
- 17937 STREET, A. G. "Mine's a small one - ." *Farmers Weekly [London]* 23(25): 27. Dec. 21, 1945. 10 F2226  
Arguments in favor of smaller parcels of grain.
- 17938 SWANSON, C. O. Meaning of wheat or flour quality. *Miller* 72(3494): 10, 12. Jan. 7, 1946. 298.8 M61
- 17939 SWANSON, C. O. Test weight as a wheat quality measure. *Northwest. Miller (Milling Prod. Sect.)* 225(7): 16a-18a, 23a. Feb. 12, 1946. 298.8 N81
- 17940 TEALE, B. Northwest wheat crop promises to hit jackpot. *West. Livestock J.* 24(12): 117. Jan. 15, 1946. 6 F2278
- 17941 GROUT, R. A. Function of the honey house. *Amer. Bee J.* 86(1): 20, 28-29. Jan. 1946. 424.8 Am3  
Extraction.
- 17942 LEGH, J. A. Honey makes perfect sweetener. *Family Herald and Weekly Star* 76(50): 37. Dec. 12, 1945. 7 F21
- 17943 LYLE, N. My reasons for joining a cooperative. *Gleanings Bee Cult.* 74: 3-5, 57. Jan. 1946. 424.8 G47  
Marketing honey through Sioux Honey Association.
- LIVESTOCK AND LIVESTOCK PRODUCTS
- 17944 ANDERSON, C. P. New frontiers for livestock. *Butchers' Advocate* 119(7): 10-12. Feb. 13, 1946. 286.85 B97  
Problems of the industry.
- 17945 ARNOLD, E. S. Dairy goat industry is expanding in New Hampshire. *Dairy Goat J.* 24(1): 11. Jan. 1946. 40.18 M592
- 17946 BEHRENS, M. E. Commercial rabbit raising. *Internatl. Com. Rabbit J.* 3(27): 55-58. Jan. 1946. 40.28 In8
- 17947 BISSON, J. E. La production animale de 1945 et les objectifs pour 1946. *Terre de Chez Nous* 18(13): 19. Jan. 2, 1946. 7 T27
- 17948 BOVE MACCIÓ, H. La intensificación de la producción y de la calidad de las carnes. *Rev. Pecuaria, No. 85/86, p. 23, 25-27. Oct./Nov. 1945. 49 R326*  
Venezuela.
- 17949 CUNHA, J. O. DA. Factores de desvalorização dos couros nacionais. *Rev. de Med. Vet. [Lisboa]* 40: 290-300. July/Sept. 1945. 41.8 R3215
- 17950 CURTISS, W. M. Geographical expansion and liquidation of cattle in the United States. *N. Y. Agr. Col. (Cornell). Farm Econ., No. 148, p. 3786-3789. Dec. 1945. 280.8 C812*
- 17951 DARLOW, A. E. When the going is tough we turn to fundamentals. *Wyo. Wool Grower* 8, i.e. 9(1): 1. Feb. 7, 1946. 280.38 W99  
Importance of a balanced livestock program.
- 17952 DAVIDSON, H. R. Figure it out. What should be the [British] pig producers' policy? By copying our competitors too slavishly is there a danger that we have sold our birthright? *Farmer & Stock-Breeder* 60(2934): 33. Jan. 1, 1946. 10 F228
- 17953 DOANE, D. H. Plans for 1946 and beyond. *Breeder's Gaz.* 111(2): 5, 28-29. Feb. 1946. 49 B74
- 17954 DUCKWORTH, C. U. Guarding the health of American livestock. *Calif. Cattleman*, Jan. 1946, p. 15-16. 43.8 C12  
Situation and outlook from various angles.
- 17955 EGGERT, R. J. Major errors in planning livestock production during the war and the place of a planned agricultural economy in the years ahead. *West. Farm Econ. Assoc. Proc.* (1945) 18: 15-27. 280.83 W52  
Errors in planning in fields of livestock and meat production.
- 17956 FERNANDES, O. S. Algumas considerações acerca da produção animal e planificação. *Rev. de Med. Vet. [Lisboa]* 40: 438-443. Oct./Dec. 1945. 41.8 R3215
- 17957 FRASER, A. There is room for more wethers [in Britain]. *Farmer & Stock-Breeder* 60(2934): 32. Jan. 1, 1946. 10 F228
- 17958 GREVE S., G. Una gran obra en marcha. *Agrario* 10(370): 3, 14. (To be cont.) Nov. 15, 1945. 9.3 Ag85  
Work of the Asociación de Criadores de Ganado Holandés de Chile.
- 17959 GRIGG, G. H. More meat and a better pasture. *New Zeal. J. Agr.* 71: 339. Oct. 1945. 23 N48J
- 17960 HAMMOND, J. Posibilidades ganaderas en la Gran Bretaña y el continente. *Agrario* 10(370): 11, 14. Nov. 15, 1945. 9.3 Ag85

## HONEY AND BEESWAX



17981 HAYS, W. L. The value of fencing to Florida's livestock industry. Amer. Eagle 40(39): 4. Jan. 17, 1946. 6 Am327

Concerning the value of the cattle industry.

17982 MACKAY, B. B. Sheep and goats make money for Brazil. Agr. in the Americas 6: 33-35. Feb. 1946. 1 F752A

Discussion of breeds and of the industry.

17983 MASON, H. The impact of increased grazing fees on the livestock industry in the public land States. West. Farm Econ. Assoc. Proc. (1945) 18: 97-102. 280.83 W52

17984 MATLICK, J. C. A ten year farm program; for better livestock, more profits. Ky. Farmer's Home J. 82(1): 20. Jan. 1946. 6 F2237

17985 MAYNARD, L. A. Food needs as a basis of livestock production. Flour & Feed 46(8): 12-13. Jan. 1946. 298.8 F66

Also in Grain Dealers J. 96(1): 38. Jan. 9, 1946. 298.8 G762

17986 MIRABAL PONCE, M. Impresiones sobre una gira de estudios de ganadería. Rev. Pecuaria, No. 85/86, p. 3-6. Oct./Nov. 1945. 49 R326

Report of a trip from Venezuela to Brazil, Argentina, and Uruguay, with notes on livestock, cooperatives, etc.

17987 MOLLIN, F. E. The national livestock situation. Calif. Cattleman, Jan. 1946, p. 17-18, 26-27. 43.8 C12

17988 NESBIT, S. On the fur side. Internatl. Com. Rabbit J. 3(27): 45-46. Jan. 1946. 40.28 ImR

17989 PATTERSON, J. H. The outlook for hides and skins. Leather Mfr. 57(1): 7-8. Jan. 1946. 303.8 L484

17990 PEIRSON, H. M. Re-building the pig industry [New Zealand]. Straight Furrow 5(1): 25. Nov. 15, 1945. 281.8 St8

17991 PETERSON, V. V. Range history of Nebraska. Amer. Cattle Prod. 27(8): 12-14, 24, 38. Jan. 1946. 49 P94

17992 PICKELL, M. W. Looking 1946 in the eye. Breeder's Gaz. 111(2): 20-21, 42-43. Feb. 1946. 49 B74

17993 REED, H. E. The meat situation. Butchers' Advocate 119(4): 12-13. Jan. 23, 1946. 286.85 B97

17994 ROBBETT, W. J. In and out of the hog business. Agr. Ed. Mag. 18: 144-145. Feb. 1946. 275.8 Ag8

In Lynn County, West Texas.

17995 SANCHEZ PERINIA, B. Colonias ganaderas para Venezuela. Rev. Pecuaria, No. 85/86, p. 13. Oct./Nov. 1945. 49 R326

17996 SHILLINGER, J. E. The world livestock situation and the war. Amer. Vet. Med. Assoc. J. 108: 76-78. Feb. 1946. 41.8 Am3

17997 SIMMONS, C. They're "sold" on rabbits. Pacific Rural Press, North. Ed. 151: 63. Jan. 19, 1946. 6 P112

Raising rabbits as meat.

17998 VALE, J. M. DO. A pecuaria e a economia nacional. Rev. de Med. Vet. Lisboa, 40: 355-384. Oct./Dec. 1945. 41.8 R3215

#### Analysis and Composition

17999 TUCK, W., and others. Susceptibility to oxydation of the fat of the bacon pig. New Zeal. J. Sci. and Technol. Sect. A, Agr. 27: 212-220. Aug. 1945. 514 N48A

P. B. D. de La Mare, F. B. Shorland, and R. N. Seelye, joint authors.

#### Consumption and Utilization

17990 SELLE, L. V. Packing house by-products. Flour & Feed 46(8): 18. Jan. 1946. 298.8 F66

Meat scraps.

17981 WOODMAN, D. W. Off the ration. Young Farmer 14(1): 19. Jan./Feb. 1946. 10 Y8

List of swine offal and use to be made of it.

#### Distribution, Marketing, and Transportation

17982 BAKER, D. Self-service at the meat counter. Food in Canada 6(1): 15-17. Jan. 1946. 389.8 F7323

Handling and packaging of meat.

17983 BENNETT, E. L. The [goat] breeder's obligation in making a sale. Dairy Goat J. 24(1): 13. Jan. 1946. 40.18 M592

17984 BLAINE, C. E. Livestock transportation. Calif. Cattleman, Jan. 1946, p. 29-30. 43.8 C12

Legislation and regulations.

17985 BROWN, M. Playing the markets. Poultry Farmer [London] 113(2948): 4. Dec. 21, 1945. 47.8 F812

Purchasing poultry and rabbits.

17986 BROWN, R. Crates--express charges. OIC News 12(2): 30. Feb. 1946. 46.8 O11

Transportation of swine.

17987 LEWIS, L. H. Some ways to prevent unnecessary losses in livestock [in transportation]. For Sale, Want and Exch. B. 5(8): 1. Jan. 15, 1946. 280.38 F74

17988 M., A. J. Cattle trekking in Queensland; from Gulf to Cannon Hill. Country Life [Sydney] 57(21): 13. Nov. 23, 1945. 286.85 Sy2

17989 MERRYMAN, L. M. Twenty-seven years with the Levitys. Guernsey Breeders' J. 69: 135, 151-152. Jan. 15, 1946. 43.8 G93

Cattle sales and prices.

17990 MORRISSEY, W. J. Confused situation in beef markets. Amer. Hereford J. 36(19): 80, 165. Feb. 1, 1946. 43.8 Am32

17991 PATTERSON, A. F. Steps necessary for consignment sales [of swine]. OIC News 12(2): 22. Feb. 1946. 46.8 O11

17992 REED, E. G. Livestock and railroads. West. Farm Econ. Assoc. Proc. (1945) 18: 32-37. 280.83 W52

17993 REED, E. G. Shipping problems. Short-horn World 30(20): 19-20. Jan. 25, 1946. 43.8 Sh8

17994 SAMPLE, G. W. More education needed, says Scott Meiks upon retirement. Hoosier Farmer 31(2): 7, 22-23. Feb. 1946. 280.82 H76

Describes Mr. Meiks' efforts in the field of cooperative livestock marketing.

17995 WENTWORTH, E. N. Can there be an oversupply. Shorthorn World 30(20): 7, 37-38. Jan. 25, 1946. 43.8 Sh8

Beef cattle marketing and prices.

#### Prices, Price Control, and Rationing

17996 LEADLEY, T. Down to earth with purebreds; Denver Hereford auction at lower levels, fat stock sells higher. Nebr. Farmer 88(3): 38-39. Feb. 2, 1946. 6 N27

17997 PAVEY, R. D. About the horse market. Ohio Farmer 197(2): 37. Jan. 19, 1946. 6 Oh3

Prices.

17998 PEREZ LOBO, R. Precios y abastecimiento. Rev. Canad. [Habana] 5(9/10): 23. Sept./Oct. 1945. 49 R321

Livestock.

17999 T., I. Avkastningen steg år 1945 för SKB-rasen. Lantmannen 30: 33-35. Jan. 12, 1946. 11 L234

Milk production and prices of cows and dairy bulls in Sweden in 1945.

18000 ZAMORA PÉREZ, R. Hacia la solución del problema de la carne. Rev. Pecuaria, No. 85/86, p. 14-16. Oct./Nov. 1945. 49 R326

Venezuela.



Processing and Storage

- 18001 ANDERSON. Chemistry for non-scientific tanners; the constitution of vegetable tans and theories of tanning. *Leather Trades' Rev.* 79: 75-79. Jan. 9, 1946. 303.8 L48
- 18002 AUSTIN, W. E. Principles of fur bleaching. *Rayon Textile Monthly* 27(1): 93-100. Jan. 1946. 304.8 R21  
Includes the structure of fur.
- 18003 BLEIER, P. Fabricación de colas y gelatinas. Dominican Repub. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr. 36(159): 46-48. Mar./Apr. 1945. 8 R323  
From skin and bones.
- 18004 BURNS, V. H. They don't improve with age! *Quick Frozen Foods* 8(6): 113-114. Jan. 1946. 389.8 Q4  
Keeping quality of meat in lockers.
- 18005 CLARKE, I. D., MANN, C. W., and ROGERS, J. S. A comparison of Sicilian and three American species of sumac for tanning sheepskin skivers. *Amer. Leather Chem. Assoc. J.* 41: 59-79. Feb. 1946. 303.9 Am32
- 18006 COLE, J. W. Butchering hogs. *Dakota Farmer* 66(3): 7, 11. Feb. 2, 1946. 6 D14  
Includes curing pork and sausage and lard making.
- 18007 DARBY, H. H. New meat aging method lowers cost. *Frosted Food Field* 2(2): 28-29. Feb. 1946. 389.8 F922
- 18008 GARDNER, B. W., JR. Damage by freezing to canned meat products containing carbohydrates. *Food Indus.* 18: 192-195, 324. Feb. 1946. 389.8 F737
- 18009 GILLES, E. C. Production of blood meal in Kano, Nigeria (the disposal of by-products from slaughter houses). *Farm and Forest* 6: 60-64. Apr./June 1945. 24 F226
- 18010 GUSTAVSON, K. H. Evidence for the rupture of intermolecularly coordinated peptide bonds in the heat denaturation (shrinkage) of collagen. *Amer. Leather Chem. Assoc. J.* 41: 47-58. Feb. 1946. 303.9 Am32
- 18011 HERMOSO DE MENDOZA, D. A. La industria chacinera de Baleares. Spain. Min. de Agr. Secc. de Pub., Prensa y Propag. *Hojas Divulgadoras*, v. 37, No. 25, 12 p. Madrid, 1945. 15 H68
- 18012 HINER, R. L., and HANKINS, O. G. Fiber splitting results in more tender beef. *Quick Frozen Foods* 8(6): 115. Jan. 1946. 389.8 Q4  
Fiber splitting through freezing.
- 18013 KERR, R. G., POTTINGER, S. R., and TEMPELTON, G. S. Will frozen fryer rabbits keep? *Rabbit Raiser* 1(5): 12. Feb. 1946. 40.28 R11
- 18014 LACEY, J. J. Make the most of beef. *Hoard's Dairyman* 91: 62. Jan. 25, 1946. 44.8 H65  
Slaughtering and preservation.
- 18015 MILLER, J. S. Big Indiana locker plant features meat. *Frosted Food Field* 2(2): 21. Feb. 1946. 389.8 F922
- 18016 MUCCILOLO, P. Salgação industrial. *Rev. dos Criadores* 16(11): 50-52. Nov. 1945. 43.8 R32
- 18017 ROTHSCHILD, G. A., and BLATZ, P. A. Manufacture of glazed kid and kid lining leather in Germany. *Shoe and Leather Rptr.* 241(7): 27-31. Feb. 16, 1946. 303.8 Sh7  
Treatment of the hides.
- 18018 SAMETH, S. Say good-bye to your butcher. *Mag. Digest* 32(3): 70-71. Mar. 1946. 110 M27  
Centralized meat cutting.
- 18019 SANDOR, I. Cooked foods. *Quick Frozen Foods* 8(6): 8, 10. Jan. 1946. 389.8 Q4  
Problems involved in freezing of roasts.
- 18020 SMITH, E. C. Modern developments in chrome tanning. *Leather World* 38: 41-43. (Concl.) Jan. 17, 1946. 303.8 L482

- 18021 TARRANT, L. Meat canning time is here. *Pa. Farmer* 134: 54. Jan. 26, 1946. 6 P383
- 18022 TURNER, D. M. Curing and storing pork on the farm. *Ala. Farmer* 24(2): 4. Jan. 1946. 276.8 AL1
- 18023 WARNER, K. F. Aging meat too long develops bad flavor. *Frosted Food Field* 2(2): 24. Feb. 1946. 389.8 F922  
Aging before putting in the locker.
- 18024 WILLIAMS, R. Make a better sausage and... *Farm and Ranch* 65(1): 21. Jan. 1946. 6 T31

Statistics

- 18025 BISSON, J. E. La production porcine au Canada et dans le Québec en 1945. *Terre de Chez Nous* 18(19, 1. e. 18): 23. Feb. 6, 1946. 7 T27
- 18026 GONZÁLEZ ALVAREZ, R. Unas nociones de estadística biométrica aplicada a la ganadería. Spain. Min. de Agr. Secc. de Pub., Prensa y Propag. *Hojas Divulgadoras* 37(28): 1-12. Aug. 1945. 15 H68
- 18027 PORTLAND UNION STOCK YARDS COMPANY. Annual report, 36th, 1945, 16 p. Portland, 1946? 49.9 P83  
Includes summary for 1909/45.  
Livestock receipts and shipments.
- 18028 ST. JOSEPH STOCK YARDS COMPANY. Receipts and shipments of live stock at St. Joseph Stock Yards, South St. Joseph, Missouri, 53, 1945, 19 p. St. Joseph, 1945. 49.9 Sa24

OILS AND OILSEEDS

- 18029 BECKEL, A. C., BELTER, P. A., and SMITH, A. K. Laboratory study of continuous vegetable oil extraction; countercurrent extractor, rising-film evaporator, and oil stripper. *Indus. and Engin. Chem., Analyt. Ed.* 18(1): 56-58. Jan. 1946. 381 J825A
- 18030 BOMHARD, M. L. Brazil's oil-yielding palms. *Agr. in the Americas* 6(1): 6-9, 14-15. Jan. 1946. 1 F752A
- 18031 CLAY, H. J. 1946 peanut acreage goal set at 2,500,000 acres. *Peanut J. and Nut World* 25(4): 21, 23. Feb. 1946. 77.8 P313
- 18032 CONTRERAS C., M. La soya; su cultivo y su importancia. Dominican Repub. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr. 36(159): 18-21. Mar./Apr. 1945. 8 R323  
Chiefly on uses.
- 18033 DU FRANE, B. Gifts of the Americas; Mexican linolee oil. *Agr. in the Americas* 6(1): 19. Jan. 1946. 1 F752A
- 18034 EASTMAN, W. H. The future of the soybean industry in the United States. *Chemurg. Digest* 5(1): 33-34. Jan. 15, 1946. 381 N213NA
- 18035 FRANK, P. A. L. Ward & Co. *Acco Press* 24(1): 1-6. Jan. 1946. 6 Ac2  
Cottonseed crushing industry.
- 18036 GOETTLER, B. Soybeans have bright future as feed and food. *Prairie Farmer*, Mich. Ed. 117(24): 5. Nov. 24, 1945. 6 P883A
- 18037 GOSS, W. H. Fats, oils and oilseeds. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1306, 23 p., processed. Washington, 1945. 157.8 R29  
Processing in Germany.
- 18038 GREENFIELD, R. E. Hexane used as solvent for soybean oil extraction. *Oil and Gas J.* 44(40): 101-102. Feb. 9, 1946. 401.8 O152
- 18039 GRIMM, C. H. Terpeneless essential oils. *Food Mater. and Equip.* 6(1): 6. Jan. 1946. 389.8 F7393  
For use in the food flavor industry.
- 18040 JARVIS, G. Oiticica comes to the rescue; a new substitute for tung is found in Brazil. *Pan Amer.* 6(9): 52-54. Feb. 1946. 280.8 P192



18041 MARKLEY, K. S., and GOSS, W. H. German fats, oils and oilseed processing plants. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1316, 18 p., processed. Washington, 1945. 157.8 R29

Includes methods followed at the plants.

18042 MARKLEY, K. S. Research on peanuts and peanut products at the Southern Regional Research Laboratory. Oil Mill Gazetteer 50(7): 10-11, 13, 19-21, 23. Jan. 1946. 307.8 O153

18043 MAYORAL, J. E. En la fábrica de los aceites esenciales [Puerto Rico]. Rev. del Café 1(3): 12-13. Aug. 1945. 8 R3295

18044 PHENYL ethyl alcohol and its esters. Givaudanian, Jan. 1946, p. 2-3, 6-7. 308.8 G44  
In essential oils.

18045 PICKETT, T. A. Chemical comparison of the peanut and cotyledon. Peanut J. and Nut World 25 (4): 25. Feb. 1946. 77.8 F313

18046 PRIEST, G. H., JR. Strong continuing demand for drying oils. Chemurg. Digest 5(1): 37-41. Jan. 15, 1946. 381 N213Na

18047 RAUBER, E. L. The tung oil industry: growth and prospects. Chemurg. Digest 5: 49, 51-58. Jan. 31, 1946. 381 N213Na

18048 RAYMENT, T. The soya bean. Walkabout 12(3): 39-40, 42. Jan. 1, 1946. 331.8 W15  
History and outlook for Australia.

18049 ROACH, H. L. A look at the future of soybeans. Grain and Feed Rev. 35(5): 14. Jan. 1946. 280.28 C78

18050 ROMERO MONTERO, R. Casi la mitad del aceite de oliva del mundo, es español. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(13): 2-3. Apr. 1945. 15 Spl2

18051 ROMERO MONTERO, R. Del pisado del saco a la prensa hidráulica, la convida de las aceitunas manchegas. II. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(12): 2-3, 14. Mar. 1945. 15 Spl2

18052 SAGARIN, E. Essential oils and their derivatives; the 1946 outlook. Chemurg. Digest 5(1): 23-24. Jan. 15, 1946. 381 N213Na

18053 SANTOS RUIZ, A., and SANZ MUÑOZ, M. Estudio químico-analítico de los aceites de semilla de uva. Inst. Cajal de Invest. Biol. Trab. Secc. de Fisiol., Ferment., Virus y Quím. Biol. 2: 93-151. 1945. Ref. 442.9 Sp1T

I. Constantes físicoquímicas, p. 93-135. II. Ácidos grasos e insaponificables, p. 137-151.

18054 SMITH, F. H. Estimation of gossypol in cottonseed meal and cottonseed meats. Indus. and Engin. Chem., Analyt. Ed. 18(1): 43-45. Jan. 1946. 381 J825A

18055 SMITH, F. H. Spectrophotometric method for estimating gossypol in crude cottonseed oil. Indus. and Engin. Chem., Analyt. Ed. 18(1): 41-43. Jan. 1946. 381 J825A

18056 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. FATS AND OILS UNIT. Annual review--1944, fats and oils. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 5. Foodstuffs, Fats and Oils, v. 3, No. 13, 18 p. Dec. 1945. 157.54 In235

18057 VARIER, N. S. A note on the essential oil from ginger scrapings. Cur. Sci. 14: 322. Dec. 1945. 475 Sci23

#### POULTRY AND POULTRY PRODUCTS

18058 ANDERSON, C. F. The egg industry in South Australia. Poultry Farmer [Sydney] 13(12): 13-16. Sept. 22, 1945. 280.28 Or32

18059 BARLEY, H. D. Protecting eggs in transit. Poultry World 76: 1. Jan. 4, 1946. 47.8 P8682

18060 BARRY, S. C. The market outlook for Saskatchewan eggs. Canad. Poultry Rev. 70(2): 12, 14-17, 35-36. Feb. 1946. 47.8 C16

18061 BATEMAN, S. D. What to expect in Government graded eggs! Poultry Tribune 52(2): 8-9. Feb. 1946. 47.8 P8642

18062 BENOIT, C. E. La voie avicole n'est pas sans embûches. B. des Agr. 42(2): 12, 22. Feb. 1946. 7 B872

The poultry industry in Canada.

18063 BLANCO, R. Consideraciones pedagógicas sobre la descripción del huevo de gallina. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(15): 6-7, 15. June 1945. 15 Spl2

18064 BRUCE, W. H. Points in favour of Commonwealth control [of egg marketing]. Poultry Farmer [Sydney] 13(22): 7-11. Dec. 1, 1945. 280.28 Or32

18065 BRUCE, W. H. Recurring egg quality problems. Poultry Farmer [Sydney] 12(40): 15-18. Mar. 3, 1945. 280.28 Or32  
Care and handling.

18066 BUSTER, M. Tomorrow's marketing methods; do city consumers want oven-ready poultry, refrigerated and dried eggs. Poultry Tribune 51(9): 11, 42-45. Oct. 1945. 47.8 P8642

18067 CAMPBELL, H. L. Planned selling for the hatchery and feed store. Hatchery Tribune 20(2): 14, 78-79. (To be cont.) Feb. 1946. 47.8 H28

18068 CATHCART, W. H. High-speed defrosting of frozen eggs. Northwest. Miller 225(6): 66-68, 76. Feb. 5, 1946. 298.8 N81

18069 CHARLES, T. B. Quality chicks are a 'must.' Rural New Yorker 105: 165. Feb. 16, 1946. 6 R88

Purchasing of live chicks.

18070 CLINE, L. E. Possibilities of increasing turkey consumption. Norbest Turkey News 10(7, 1. e. 6): 1-2. Jan. 1946. 47.38 N75

18071 CLINE, L. E. Turkeys for 1946. Norbest Turkey News 10(7, 1. e. 6): 6-7. Jan. 1946. 47.38 N75

18072 CREIGHTON, H. Flock reductions would help prevent egg surplus. Poultry Supply Dealer 23 (1): 24-26. Jan. 1946. 47.8 B11

18073 CUSHMAN, H. E. Order chicks or poults now. Mont. Farmer 33(11): 21. Feb. 1, 1946. 6 M764

18074 DAKAN, E. L. But where can we sell so many broilers? Ohio Farmer 197(2): 18-19. Jan. 19, 1946. 6 Oh3

18075 DARRAH, L. B. Summary of poultry and egg outlook. Amer. Egg & Poultry Rev. 7(2): 91-92. Feb. 1946. 47.8 Am38

18076 DAVIS, J. A. Better merchandising may solve many industry problems; why leave this phase of industry to outside interests? Smith's Chickagrams 15(1): 2-3. Jan. 1946. 47.8 Sm6

18077 DUTTON, H. J., and EDWARDS, B. G. Determination of carotenoids and lipid amine-aldehyde products in dehydrated egg. Indus. and Engin. Chem., Analyt. Ed. 18(1): 38-41. Jan. 1946. Ref. 381 J825A

18078 ELEAZER, J. M. South Carolina develops egg markets. Ext. Serv. Rev., Jan. 1946, p. 5. 1 Ex892Ex

18079 FLOREA, J. H. Goodbye, surplus! Here are three ways it will be reduced. Poultry Tribune 52 (2): 30, 32-33. Feb. 1946. 47.8 P8642

Increased consumption of eggs, culling, Government support.

18080 FLOREA, J. H. Six ways to clean eggs. Poultry Tribune 51(9): 9, 22, 24-26. Oct. 1945. 47.8 P8642

18081 FROM "nappies" to "long 'uns"; changes and progress over the years. By "Wanderer." Poultry Farmer [Sydney] 13(8): 18-21. Aug. 25, 1945. 280.28 Or32

On the poultry industry in New South Wales.



- 18082 HADLINGTON, E. Ducklings in demand at Xmas [Australia]. Farmer and Settler 40, i.e. 39 (44): 14. Nov. 30, 1945. 23 F226
- 18083 HALL, A. Tells of large hatchery in heart of old China. Hatchery Tribune 20(2): 63-64. Feb. 1946. 47.8 H28
- 18084 HANKE, O. A. Chicken and egg boosters. Homer Huntington and the Poultry and Egg Board staff work feverishly to keep consumption high. Poultry Tribune 52(2): 17. Feb. 1946. 47.8 P8642
- 18085 INNES, J. A. Let's go into turkey raising. Farmers Fed. News 26(5): 6-7. Jan. 1946. 280.28 F225
- Economic advantages of entering the industry.
- 18086 IVORY, B. So. Dakota's hatchery future. Hatchery Tribune 20(2): 76-77. Feb. 1946. 47.8 H28
- 18087 JOHNS, C. K., and BÉRARD, H. L. Effect of certain methods of handling upon the bacterial content of dirty eggs. Sci. Agr. 26: 11-15. Jan. 1946. Ref. 7 Sci2
- 18088 JOHNS, C. K., and BÉRARD, H. L. The effect of freezing and cold storage upon the bacterial content of egg melange. Sci. Agr. 26: 34-42. Jan. 1946. Ref. 7 Sci2
- 18089 JONES, M. D. The poultry and egg situation. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 61, p. 1351-1353, processed. Jan. 1946. 275.29 M281F
- 18090 JONES, R. E. [The New England Poultry and Egg] Institute takes another step forward. New England Homestead 119(1): 31. Jan. 12, 1946. 6 N442
- 18091 KLEIN, G. T. Marketing... the bottleneck in turkey production. New England Homestead 119(3): 22, 24. Feb. 9, 1946. 6 N442
- 18092 KLINE, L., and JOHNSON, C. M. Factors influencing estimation of free fatty acids in dried egg powders. Indus. and Engin. Chem., Analyt. Ed. 18(1): 35-38. Jan. 1946. Ref. 381 J825A
- 18093 LAMPMAN, C. E. Half turkey takes over to burden '45 holiday boards. Idaho. Agr. Col. News Let. 31(1): 7. Jan. 1946. 276 Id13N
- Marketing the half turkey.
- 18094 LEIMERT, W. F. Dried egg products head for toboggan. Food Mater. and Equip. 6(1): 8. Jan. 1946. 389.8 F7393
- 18095 LOWRY, G. Johnson's poultry department a lifesaver; profit from dressed stock big factor in Iowa City hatcheryman's success. Poultry Supply Dealer 23(1): 20-22. Jan. 1946. 47.8 B11
- 18096 MARKETING - what of the future? By "Veteran." Poultry Farmer [Sydney], 13(8): 57-59. Aug. 25, 1945. 280.28 Or32
- Live poultry.
- 18097 MARSDEN, S. J. The place of small turkeys in our postwar industry. Turkey World 21(2): 32-33, 84-86. Feb. 1946. 47.38 T84
- 18098 MOORE, A. C. Be prepared for egg marketing changes. Poultry [London], 97: 390. Dec. 18, 1945. 47.8 P869
- 18099 MOORE, A. C. Disposing of surplus stock. Poultry [London] 97: 406. Dec. 25, 1945. 47.8 P869
- 18100 MOYER, D. D. Marketing Ohio turkeys. Turkey World 21(2): 44, 91-94. Feb. 1946. 47.38 T84
- 18101 NEW SOUTH WALES. EGG MARKETING BOARD. The sixteenth annual report. Poultry Farmer [Sydney], 12(40): 2-14. Mar. 3, 1945. 280.28 Or32
- 18102 NORRIS, R. E. Surplus cockerels; if they're a headache in your business, here's an aspirin! Hatchery Tribune 20(2): 64. Feb. 1946. 47.8 H28
- 18103 POULTRY primer. Consum. Guide 12(2): 9-11. Feb. 1946. 1.94 A4422C
- Poultry purchasing and utilization.
- 18104 POULTRY SUPPLY DEALER. Standard directory and buyer's guide for the hatchery and poultry supply trade, 12th, 1946, 178 p. Chicago, 1945. 225 St23
- 18105 REED, F. D. Producers prepare for post-war. New England Homestead 119(3): 28. Feb. 9, 1946. 6 N442
- Maine poultry industry.
- 18106 REED, J. M. Baby chicks fly south. Mo. Ruralist 87(2): 14. Jan. 26, 1946. 6 R8391
- 18107 RIEMER, W. Latest news from the poultry front; every dealer should watch developments in this booming industry. Feedstuffs 18(5): 23-24. Feb. 9, 1946. 286.81 F322
- 18108 RISHSER, F. W. Review and preview of poultry and egg situation for 1945-1946. Fla. Poultryman and Stockman 12(1): 16, 28. Jan. 1946. 47.8 F66
- 18109 ROBINSON, J. L. Jersey poultrymen "put" what it takes. News for Farmer Coops. 12(11): 7, 18-19. Feb. 1946. 166.2 N47
- On the Farmingdale, Lakewood, Freenold Farmers Union Cooperative Association.
- 18110 SCANLAN, J. J. What's ahead for north-eastern egg and poultry cooperatives? Poultry Tribune 51(11): 20, 55-56. Dec. 1945. 47.8 P8642
- 18111 SHOWING eggs. By "Rufus." Poultry Farmer [Sydney], 12(52): 13-14. May 26, 1945. 280.28 Or32
- 18112 SHULTIS, A. Poultry farming in California. Calif. Cult. 93: 35, 55. Jan. 19, 1946. 6 C12
- 18113 SOLVING the egg-cleaning problem. Poultry Farmer [Sydney], 13(21): 15, 17-19, 21. Nov. 24, 1945. 280.28 Or32
- Includes discussion of equipment.
- 18114 STREET-PORTER, S. Poultry keeping must expend [Britain]. Farmer & Stock-Breeder 60(2934): 40. Jan. 1, 1946. 10 F228
- 18115 TEACH proper methods in egg grading. By Barnyard Rose. Saskatchewan Farmer 37(3): 2. Feb. 1, 1946. 7 3a74
- 18116 TEETER, C. E. "Sincere service" for sound growth. Hatchery Tribune 20(2): 12-13, 86-87. Feb. 1946. 47.8 H28
- Hatchery business.
- 18117 TEGEL, A. A. Points in favour of Commonwealth control; which road shall we take? Poultry Farmer [Sydney], 13(23): 9-12. Dec. 8, 1945. 280.28 Or32
- Control of egg marketing.
- 18118 TERMOHLEN, W. D. What's ahead in 1946? Here is a preview of what the goal may be. Poultry Tribune 51(11): 13, 34-36. Dec. 1945. 47.8 P8642
- 18119 VONDELL, J. H. Quality in egg production, is the first consideration. New England Homestead 119(3): 30. Feb. 9, 1946. 6 N442
- 18120 WARREN, C. C. How many broilers can we eat? Poultry Tribune 51(9): 10, 26-28. Oct. 1945. 47.8 P8642
- 18121 WEAVER, L. E. Dressing poultry. Amer. Agr. 142: 524-525. Dec. 1, 1945. 6 Am3
- 18122 WELLS, J. E. Improved chick boxes to meet industry needs. Poultry Farmer [Sydney], 12(54): 31-32. June 9, 1945. 280.28 Or32
- 18123 WESTBERG, J. K. 1946 keynote: more quality, or look out! Albers Egg Maker 22, i. e. 21(1): 3-4. Winter 1946. 47.8 All
- 18124 WILLIAMSON, H. F. Delmarva broiler industry goes through the wringer; Peninsula expert traces causes of disruption and points the way toward sound post-war operations. Amer. Egg & Poultry Rev. 7(2): 20, 22, 24. Feb. 1946. 47.8 Am38
- 18125 WOLFF, E. Egg color myth is exploded. Family Herald and Weekly Star 77(2): 11. Jan. 9, 1946. 7 F21



## RUBBER AND RUBBER SUBSTITUTES

18126 COOMBS, G. E. The organization devised by the International Rubber Regulation Committee for the conduct of research and propaganda, under the 1934 Agreement between the Governments of France, the United Kingdom, India, the Netherlands, and Siam, to regulate the production and export of rubber. In Honig, P., and Verdoorn, F., eds. Science and scientists in the Netherlands Indies, p. 48-54. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75

18127 ESKEW, R. K. Natural rubber from Russian dandelion. India Rubber World 113: 517-520. Jan. 1946. 305.8 In2

18128 HAMILL, W. H., MROWCA, B. A., and ANTHONY, R. L. Specific heats of Hevea, GR-S, and GR-I stocks. Indus. and Engin. Chem. Indus. Ed. 38(1): 106-110. Jan. 16, 1946. 381 J825

18129 IRVIN, H. H. The first century of synthetic rubber. Chem. Indus. 58: 260-264. Feb. 1946. Ref. 381 C426

18130 MACFADYEN, SIR E. Rubber production: co-ordination or conflict? Survey of the prospects from the plantation angle, with a suggestion for an accommodation with synthetic. Crown Colonist 16(171): 97-98. Feb. 1946. 280.8 C88

18131 MENDES, A. "Cortar" (sangrar) a seringueira; extração do latex. Rev. Rural Bras. 25 (302): 32-33. Oct. 1945. 9.2 B733

18132 MEREDITH, C. Rubber in 1946. Planters' Chron. 40: 408-410. Dec. 15, 1945. 22 P693  
From Tea and Rubber Mail.

18133 STRAUSS, R. W. Rubber and its synthetic cousins find new jobs in industry. Indus. and Power 49(5): 61-64, 180-181. Nov. 1945. 291.2 In2

18134 T., H. Le caoutchouc. J. d'Agr. Suisse 67(40): 2. Oct. 6, 1945. 17 J82  
Sources of rubber.

18135 TENGWALL, T. A. History of rubber cultivation and research in the Netherlands Indies. In Honig, P., and Verdoorn, F., eds. Science and scientists in the Netherlands Indies, p. 344-351. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75

18136 TINT, H., and CUMMING, J. M. Methods of applying certain antioxidants to guayule crude rubber for preservation during storage. India Rubber World 113: 509-512, 520. Jan. 1946. 305.8 In2

18137 TREMAINE, H. M. New trends in world rubber. Mag. Wall St. 77: 515-516, 547-548. Feb. 2, 1946. 286.8 M27

18138 WATSON, L. Hail rubber discovery as one of greatest accidents in history. Applehlossom 18 (7): 2. Jan. 24, 1946. 275.8 Ap4  
Discovery of vulcanization.

## SEEDS

18139 ANDERSEN, J. C. Udsigterne for frøhøsten 1945. Tidsskr. for Frøavl 17: 221-228, 237-241. Aug. 10, Sept. 10, 1945. 61.8 T43

1945 seed prospects in Denmark.

18140 BURDETT, J. H. Retail seed sales prospects. Seed World 59(3): 18, 20, 22. Feb. 1, 1946. 61.8 Se52

18141 BURDETT, J. H. Tells of possible retail sales of seed, to home gardeners. Vegetable and flower sales surveyed. Seed Trade News 46(5): 1, 3. Jan. 30, 1946. 61.8 Se3

18142 BURDETT, J. H. Who are your postwar customers? South. Seedsman 9(2): 13, 42. Feb. 1946. 61.8 So8

18143 CHAMBERS, H. Seed supplies during the war. Gt. Brit. Min. Agr. Agriculture 52: 456-461. Jan. 1946. 10 G79J

18144 GODDARD, S. A. British Columbia leads Canada in production of vegetable seed. Canad. Grain J. 1(3): 6. Oct. 1945. 59.8 C16

18145 LESPÉRANCE, R. Au Conseil Provincial des Semences. Terre de Chez Nous 18(13): 7, 12. Jan. 2, 1946. 7 T27

18146 MARTIN, E. D. Flower seed production in California. Seed World 59(3): 12. Feb. 1, 1946. 61.8 Se52

Also in Seed Trade News 46(6): 5. Feb. 6, 1946. 61.8 Se3

18147 PARKER, L. T. Legal pitfalls of seedsmen ... can seed be tested legally in bulk? South. Seedsman 9(1): 21, 44. Jan. 1946. 61.8 So8

18148 RUSSOW, W. F. Spring legume seed situation serious. G. L. F. Week Serv. Sched. 10(28): 1, 4. Jan. 14, 1946. 280.28 G113W

18149 SCOTT, C. Seed production and distribution. Grain Dealers J. 96(1): 32. Jan. 9, 1946. 298.8 G762

18150 STOKER, G. L. International seed certification standards adopted at Chicago. Utah Farmer 65(12): 8. Feb. 10, 1946. 6 D45

18151 WARREN, C. L. Market garden sales of seed. Seed World 59(3): 14. Feb. 1, 1946. 61.8 Se52

18152 YACKULIC, G. A. Production of sugar beet seed in West story of resourcefulness during wartime. Canad. Grain J. 1(6): 6. Jan. 1946. 59.8 C16

## SUGAR AND SIRUPS

18153 ÅSTRAND, H. Hög sockerhalt på Gotland; sockerbetsodlingen 1945. Lantmannen 30: 41-42. Jan. 12, 1946. 11 L234

The 1945 sugar beet crop in Sweden.

18154 ALLRED, D. H. Sugar supply situation should improve in second quarter of 1946. Utah Farmer 65(12): 16. Feb. 10, 1946. 6 D45

18155 BURROS, A. A patch of sorghum for syrup. Ohio Farmer 197(3): 12. Feb. 2, 1946. 6 Oh3

18156 COUDRAY, L. B. DU. Sur un nouveau procédé de cuites en sucrerie. Rev. Agr. de l'île Maurice 24: 198-202. July/Aug. 1945. 24 M44

18157 COULTER, J. L. Post-war plans for sugar in the economy of the United States. Sugar J. 8(8): 5-6, 19-20. Jan. 1946. 65.8 Su391

18158 DAVIES, J. G., and YEARWOOD, R. D. E. The estimation of fibre per cent. cane. Internatl. Sugar J. 48(565): 11-13. Jan. 1946. 65.8 In8

18159 DORRIGO VAZQUEZ, P. R. Algunos factores importantes para la obtención de buenos rendimientos en la fermentación de mieles de caña. Cuba. Min. de Agr. Rev. 28(4): 46-47, 50-51, 94-96. Oct./Dec. 1945. Ref. 8 Ag88Re

18160 GAGE, E. W. Maple sugar time. Rural New Yorker 105: 138. Feb. 16, 1946. 6 R88  
Account of the industry.

18161 HARRINGTON, L. Sugar bowl of Ontario. Farmer's Mag. 43(1): 7, 32-33. Jan. 1946. 7 C165  
Sugar beet industry.

18162 HIGGINS, F. H. Grower meetings in California pep 1946 plans. Sugar J. 8(8): 11-12. Jan. 1946. 65.8 Su391

18163 HIRACHAND, L. Problems of Deccan sugar industry. Indian Sugar 8: 386-389. Nov. 1945. 65.8 In25

18164 HOCKETT, R. C. Sugar in industry. Indian Sugar 8: 384-385, 389. Nov. 1945. 65.8 In25

18165 LAL, L. C. Sugar industry problems. Indian Sugar 8: 380-383. Nov. 1945. 65.8 In25  
Gives index numbers of wholesale prices of some Indian crops.



18166 MAGALHÃES, B. DE. O açúcar nos primórdios do Brasil colonial. X. Brasil Açucareiro 26: 424-427. Oct. 1945. 65.8 B73

18167 MATOS, A. R. Processo "amatos" - para fermentações alcoólicas industriais contínuas. Brasil Açucareiro 26: 412-415. Oct. 1945. 65.8 B73

Alcohol from sugar.

18168 OWEN, W. L. The future of blackstrap molasses. Sugar 41(2): 39-41. Feb. 1946. 65.8 W11

18169 RODRIGUES, J. H. Agricultura e economia açucareiras no século XVIII. V. Brasil Açucareiro 26: 427-433. Oct. 1945. 65.8 B73

18170 ROLLEMBERG, L. D. Reaparelhamento da produção açucareira [Brazil]. Observador Econ. e Financ. 10(118): 96-99. Nov. 1945. 280.8 Ob72

18171 VIVEIROS, J. DE. O açúcar através do periódico "o auxiliador da indústria nacional." XIV. Brasil Açucareiro 26: 444-445. Oct. 1945. 65.8 B73

18172 WURTELE, A. R. An American sugar plan. Sugar J. 8(8): 7-10, 18-19. Jan. 1946. 65.8 Su391

18173 YACKULIC, G. A. Important livestock feeding industry established in sugar beet areas; southern Alberta farmers find use for by-products. Canad. Grain J. 1(3): 13. Oct. 1945. 59.8 C16

#### TOBACCO

18174 JOHNSON, E. The marketing of flue-cured tobacco in Ontario. O. A. C. Rev. 58: 137-138, 140. Dec. 1945. 276.8 On8

18175 LOMBARD, F. Tabac. J. d'Agr. Suisse 57(47): 3. Nov. 24, 1945. 17 J82

Advantages of production.

18176 MAXTON, J. L. Tobacco auction warehouse costs and returns for the Virginia Dark-Fired Cooperative, 1944-45. Va. Farm Econ., No. 82, p. 982-983. Jan. 1946. 275.29 V613

#### MISCELLANEOUS PRODUCTS

18177 DAMODARAN, M., and RANGACHARI, P. N. Pectin from Indian plant materials. J. Sci. and Indus. Res. 4: 298-300. Nov. 1945. 475 J82

18178 KNIEB, D. V. Florist industry alert to change. Dom. Com. 34(2): 24-25. Feb. 1946. 157.54 D713

18179 METIER, M. A. Expansion days in southern California fish canning. Canner 102(5): 116, 118, 120. Jan. 19, 1946. 286.83 C16

18180 NARAYANA RAO, S. R. A., and SREENIVASAYA, M. Studies on industrial microorganisms. Pt. II. Alcohol tolerance of yeasts. J. Sci. and Indus. Res. 4: 294-297. Nov. 1945. 475 J82

18181 RUSSELL, A., and OLIVE, C. Some Peruvian tanning materials; a preliminary examination. Leathers Trades' Rev. 78: 1674-1675. Dec. 19, 1945. 303.8 L48

Vegetable tanning materials.

18182 SÁNCHEZ PAULÍN, E. Algunos aspectos que guarda la industria extractiva de la cera de candelilla. Indus. Forest. 1(3): 30-32. July 1945. 99.8 In23

18183 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. DRUGS AND PHARMACEUTICALS UNIT. Balsam of tolu: (synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem. Drugs and Pharm., v. 3, No. 60, 4 p. Dec. 1945. 157.54 In232

18184 VOHRA, P. N., and AHMAD, B. Food yeast, its importance and manufacture. J. Sci. and Indus. Res. 4: 191-196. Oct. 1945. Ref. 475 J82

18185 VOHRA, P. N., and AHMAD, B. Manufacture of yeast in India; some scientific problems. J. Sci. and Indus. Res. 4: 272-275. Nov. 1945. 475 J82

18186 WATSON, J. C. Irish moss--the marine plant with a future. Food in Canada 6(1): 18-21. Jan. 1946. 389.8 F7323

18187 WHITE, R. P. Where do we go from here? Amer. Nurseryman 83(3): 18, 20, 21, 22. Feb. 1, 1946. 80 Am371

#### AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

##### GENERAL

18188 BARTLETT, A. Detroit takes the farm road ... object - prosperity from the ground up. Country Rent. 116(2): 15, 58-60. Feb. 1946. 6 C833

Industry and agriculture.

18189 BAZAN, P. Industrias agropecuarias en el noroeste argentino. Campo [Buenos Aires] 29(349): 10-12, 50. Nov. 1945. 9 C15

18190 BUCHANAN, M. T. Studies in land use classification and in labor efficiency. West. Farm Econ. Assoc. Proc. (1945) 18: 82-91. 280.83 W52

18191 COLTRANE, D. S. And now the imperative for agriculture and industry. Better Crops with Plant Food 29(10): 9-10, 42-44. Dec. 1945. 6 B46

Problems of agriculture and the need for cooperation between industry and agriculture.

18192 XXIXº CONGRESO de la Federación Rural realizado en Minas, Abril 1945. Fed. Rural, Uruguay Rev. (ser. 3), v. 8, No. 27, 121 p. Sept. 1945. 9.9 R322

Partial contents: La organización del ruralismo y agremiación, by J. Carrère Saprizza, p. 33-35; Consideraciones sobre el mismo tema, by G. M. Riviere, p. 35-37; Racionalización de la economía agraria, by A. Gallinal Heber, p. 44-49; El abasto de carnes de la capital, by A. Gelsi Bidart, p. 66-68; Los impuestos y la producción rural, by J. A. Otamendi, p. 85-92; Regimen de cambios y cotización del ganado, by J. P. Aramendia, p. 92-94; Sobre impuestos de zonas de influencia; by G. Barañano, p. 97-102; and Sobre despoblación de la campaña, by A. Picún, p. 102.

18193 ESTIVILL, A. Industria [Mexico]? Sobre base agricola, si. Rancho 2(3): 22-23, 47. Jan. 1946. 8 R15R

18194 GRAVES, J. T. The farmer holds the balance of power while both labor and management seek his support. South. Agr. 76(2): 20. Feb. 1946. 6 So83

18195 GRUNDSTRÖM, S. Lågo vi efter kontinentens jordbruk? Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 15(48): 3. Dec. 1, 1945. 11 J762

A comparison of farm methods and standard of living of farm families in Sweden and on the Continent.

18196 HAMBRIGHT, W. A. Employment and production; in relation to future living. South. Dairy Prod. J. 39(2): 36, 40, 43. Feb. 1946. 44.8 So83

Need for maintenance of consumer income for agricultural prosperity.

18197 HINKE, F. W. Economic conditions in Peru - 1944. U. S. Bur. Foreign and Dom. Com. Internat. Ref. Serv., v. 2, No. 44, 16 p. Washington, 1945. 157.54 In8

Agriculture, forest products, and livestock are discussed, p. 1-6.

18198 MOLL, R. Lecciones de economía; estudio del desarrollo de la economía venezolana. Cám. de Com. de Caracas. B. (ser. 2) 34: 9852-9858. (Cont.) Oct. 1945. 287 C173

18199 THOMAS, W. P., and BLANCH, G. T. Research and post-war economic problems of western agriculture. West. Farm Econ. Assoc. Proc. (1945) 18: 74-81. 280.83 W52



18200 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. AMERICAN REPUBLICS UNIT. Economic conditions in Dominican Republic--1944. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 46, 8 p. Dec. 1945. 157.54 In8

From report prepared in the U. S. Embassy, Ciudad Trujillo, by M. J. Broderick, R. P. Stovall, and A. R. Merrero.

18201 U. S. BUREAU OF FOREIGN AND DOMESTIC COMMERCE. AMERICAN REPUBLICS UNIT. Economic situation in Argentina--1944. U. S. Bur. Foreign and Dom. Com. Internatl. Ref. Serv., v. 2, No. 40, 18 p. Dec. 1945. 157.54 In8

Prepared in the U. S. Embassy, Buenos Aires.

18202 WALLACE, H. A. Sink or swim together; wages and farm prices are interdependent; full employment & full production needed. Wis. Farmers Union News (n. s.) 14(5): 4. Feb. 11, 1946. 281.8 F225

18203 WISE, W. S. Sound economy for agriculture. Hoard's Dairyman 91: 68. Jan. 25, 1946. 44.8 H65

Relations between agriculture, labor, and industry.

## AGRICULTURAL FINANCE

### Credit

18204 BAILEY, C. W. Farmers can get all credit they need. Mortgage Banker 6(4): 3-4. Jan. 1946. 284.29 M84Mo

18205 BERNARD, H. J. Dirt farmer cooperation with country banks. Coastal Cattleman 11(12): 14-16. Feb. 1946. 43.8 C463

18206 CADY, J. F. Economic development in Burma. Far East. Survey 15(1): 1-4. Jan. 16, 1946. 280.9 In782

Discusses financing of agricultural operations.

18207 DEJONG, J. L. Banker Bill [C. W.] Bailey promotes live stock in his community. Natl. Live Stock Prod. 24(5): 9, 14. Feb. 1946. 280.38 N21

18208 DOMINICAN REPUBLIC. DIRECCIÓN GENERAL DE ESTADÍSTICA. SECCIÓN DE PRODUCCIÓN Y ECONOMÍA. Registro público, estadística de operaciones registradas, 1943, 62 p., processed. Ciudad Trujillo, 1945. 254.8 D71720

Includes mortgages on rural properties.

18209 DUGGAN, I. W. Postwar shifts in agricultural credit. South. Banker 86(2): 46-47, 68-69. Feb. 1946. 284.8 S68

18210 FEDERAL RESERVE BANK OF DALLAS. Farm credit--a challenge to bankers. Fed. Reserve Bank Dallas. Monthly Business Rev. 31: 13-18. Feb. 1, 1946. 284.8 F31D

18211 MERRIFIELD, F. R. Farm credit policies in the postwar period. West. Farm Econ. Assoc. Proc. (1945) 18: 67-73. 280.83 W52

18212 SEVERSON, H. The country banker; a community success story. Banking 38(8): 45-46, 118. Feb. 1946. 284.8 Am3

### Income

18213 NORTON, L. J., and WORKING, E. J. A proposal for supporting farm income. Ill. Farm Econ., No. 127/128, p. 309-313. Dec. 1945/Jan. 1946. 275.28 IL5

Discusses a parity income plan.

18214 SCHULTZ, T. W. Income accounting to guide production and welfare policies. West. Farm Econ. Assoc. Proc. (1945) 18: 58-66. 280.83 W52

### Insurance

18215 BROWN, E. F. Insurance-wise; liability insurance. West. Dairy J. 2(4): 56-57. Feb. 1946. 44.8 W524

18216 KUTISH, F. Five men insure their futures. Successful Farming 44(2): 21, 68-69. Feb. 1946. 6 Su12

Types of life insurance policies suited to farm families.

18217 PAUL, H. Workmen's compensation protects farmer. Ohio Farmer 197(2): 35. Jan. 19, 1946. 6 Oh3

### Taxation

18218 BAKER, R. H. That breeding stock ruling. Ohio Farmer 197(3): 16. Feb. 2, 1946. 6 Oh3

Income tax estimations.

18219 ELEHR, A. On jordbruksaligning. Tidsskr. for det Norske Landbr. 52: 195-210. Nov. 1945. 11 T433

Farm taxation in Norway.

18220 CHOWN, W. F. The Canadian Royal Commission makes its report. News for Farmer Coops. 12 (11): 4, 16-17. Feb. 1946. 166.2 N47

The question of taxation of cooperatives.

18221 CUREMAN, C. M. Leopard spots and power trust tax propaganda [against cooperatives]. Rural Electrification 4(5): 24. Feb. 1946. 335.8 N21

18222 GALINDO H., I., and GONZÁLEZ, J. A. Impuestos a la agricultura: Estado de Sonora. Mex. Dir. de Econ. Rural. B. Mens., No. 236, p. 1251-1261. Jan. 1946. 254.5 Ag83

18223 GREEN, H. E. How to make an original depreciation table [for income tax]; a complicated task can be made easy by simplified methods. Westerner 9(1): 14, 38. Feb. 1946. 49 W522

18224 HART, S. H. Income tax for the livestock breeder; proper application of capital gains ruling results in worthwhile savings. Amer. Hereford J. 36(19): 106-107. Feb. 1, 1946. 43.8 Am32

18225 HENDRIX, G. E. Figuring farm income by "accrual" or "cash" method. Nebr. Farmer 88(3): 28, 30. Feb. 2, 1946. 6 N27

For income taxation.

18226 ISAAC, G. J. Taxing farmers' income. Natl. Tax. Assoc. B. 31: 145-151. Feb. 1946. 284.58 N21

18227 KUTISH, F. The new tax ruling. Your Farm 4(4): 23-27. Feb. 1946. 6 Y8

Income taxation.

18228 LAMAR ROURA, J. Impuestos que pesan sobre el negocio ganadero. Rev. Ganad. [Habana] 5(9/10): 9-11. Sept./Oct. 1945. 49 R321

18229 LEOPOLD, J. F. Big tax-free co-ops hurt farm groups. South. Weekly 46(3): 5-6. Jan. 16, 1946. 280.8 S652

Second of three articles.

18230 MCCABE, B. C. Canadian co-op report contradictory. Feedstuffs 18(1): 10-11. Jan. 5, 1946. 286.81 F322

Report on the taxation of cooperatives.

18231 NEWTON, R. W. Tax status of farmer cooperatives. Natl. Assoc. Silo Mfrs. Proc. (1945) 33: 43-55. 60.79 N21

18232 NYBROTEN, W. '45 tax reports similar to '44; farm economist suggests careful thought in planning and making out income returns. Idaho. Agr. Col. News Let. 31(1): 8. Jan. 1946. 276 Id13N

18233 SCOTT, H. V. Big business without taxes. Natl. Assoc. Silo Mfrs. Proc. (1945) 33: 110-123, processed. 60.79 N21

Includes taxation of farmer cooperatives.

## AGRICULTURAL LABOR AND WAGES

18234 AHEARN, D. J. The wages of farm and factory laborers, 1914-1944. Columbia U. Studies in Hist. Econ. and Pub. Law, No. 518, 245 p. N. Y., 1945. 283 Ah3



- 18235 ALLEN, W. H. Better living conditions for farm workers. N. J. Farm and Gard. 17(1): 8. Jan. 1946. 6 C162  
Chiefly on rural housing for farm labor in New Jersey.
- 18236 ALLEN, W. H. Is immigration the solution for farm labor? N. J. Farm and Gard. 17(2): 8. Feb. 1946. 6 C162
- 18237 BARR, G. W. Barriers to labor migration and their influence on farm wage rates. West. Farm Econ. Assoc. Proc. (1945) 18: 50-57. 280.83 W52
- 18238 BARRAUD, E. M. Milk production and labour. Gt. Brit. Min. Agr. Agriculture 52: 446-447. Jan. 1946. 10 G79J
- 18239 CARPENTER, G. A. Farm labor prospects for '46 show need almost as great as last year. Utah Farmer 65(12): 7. Feb. 10, 1946. 6 D45
- 18240 COOTER, J. E. Stabilization of farm wages and recruitment of farm labor. West. Farm Econ. Assoc. Proc. (1945) 18: 110-114. 280.83 W52
- 18241 DOW, G. F. Summary of average labor requirements for harvesting hay in Maine by various methods. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 61, p. 1365-1368, processed. Jan. 1946. 275.29 M281F
- 18242 FERNANDEZ Y FERNANDEZ, R., and others. Los salarios agrícolas en 1944. Mex. Dir. de Econ. Rural B. Mens., No. 236, p. 1222-1250. (Concl.) Jan. 1946. 254.5 Ag83  
A. González, F. Delgado, and J. M. Bracho, joint authors.
- 18243 HAMMAN, A. J. Rural labor situation looks better in '46, says Coloradan. West. Farm Life 48 (4): 17. Feb. 15, 1946. 6 R153
- 18244 HUBBARD, O. J. Better labor efficiency needed. New England Homestead 119(3): 3. Feb. 9, 1946. 6 N442
- 18245 MOMANUS, R. C. Let's protect us and the Filipinos. Farm J. 70(1): 20. Jan. 1946. 6 F2212  
Exploitation of farmers and farm laborers in the Philippines.
- 18246 ROACH, D. J. Why the best labor picture is changing. Through the Leaves 33(6): 5-7. Nov./Dec. 1945. 66.8 T41
- 18247 SIMMONS, C. Farm efficiency. Pacific Rural Press, North. Ed. 151: 103. Feb. 2, 1946. 6 P112
- 18248 STRATHMAN, S. H. Working conditions and labor relations. West. Farm Econ. Assoc. Proc. (1945) 18: 106-109. 280.83 W52
- 18249 TEAGUE, C. C. Agricultural labor requirements for 1946. Diamond Walnut News 28(1): 8-9. Jan. 1946. 94.68 D34
- 18250 UNDERHILL, F. C. Servicio Femenino de la Tierra. Agrario 10(369): 20. Oct. 15, 1945. 9.3 Ag85  
Women's Land Army, Great Britain.
- 18251 ANDERSON, C. P. Agreement on British loan. New England Homestead 119(1): 4. Jan. 12, 1946. 6 N442  
Benefits from loan to American agriculture.
- 18252 ANDERSON, C. P. What's farming coming to? Country Gent. 16(2): 32. Feb. 1946. 6 C833
- 18253 ANDERSON, H. G. Farm adjustments. Dakota Farmer 66(2): 10. Jan. 19, 1946. 6 D14
- 18254 AYLESWORTH, P. F. 1946 agricultural goals. Agr. Situation 30(1): 2-5. Jan. 1946. 1 Ec7Ag
- 18255 BAILEY, F. Farmers resent the "hold steady" farm policy of Truman crowd. Farmers Guide 102(4): 20. Feb. 15, 1946. 6 In2
- 18256 BAILEY, F. Three alternatives for agriculture in 1946. Farmers Guide 102(2): 13. Jan. 15, 1946. 6 In2
- 18257 BEELER, M. N. Missouri measures farming. Capper's Farmer 57(2): 12, 72. Feb. 1946. 6 M693  
Agricultural program.
- 18258 BRANDT, K. Agricultural planning in war and in peace. West. Farm Econ. Assoc. Proc. (1945) 18: 12-14. 280.83 W52
- 18259 BROWN, L. H. Agriculture in Igbirra. Farm and Forest 6: 102-103. Apr./June 1945. 24 F226
- 18260 BUCHANAN, A. Farmers' new Magna Charta. Milk Messenger 23(1): 4-5. Jan. 1946. 44.8 M5925  
Farm policy formulated by the National Farmers' Union in Great Britain.
- 18261 BUECHEL, F. A. Business review and prospect. Tex. Business Rev. 19(12): 3-8. Jan. 1946. 280.8 T312  
Agricultural situation and outlook discussed p. 5-8.
- 18262 BUNNELL, H. The Philippine problem. West. Farm Life 48(4): 3. Feb. 15, 1946. 6 R153  
Survey of agriculture.
- 18263 CAMPBELL, B. A. A review of Canada's agricultural program for 1946. Agr. Inst. Rev. 1: 161-166. Jan. 1946. 7 Ag8
- 18264 CRAWFORD, D. M. Grijalva-Usumacinta River Basins Mexico-Guatemala. Agr. in the Americas 6: 40, 36. Feb. 1946. 1 F752A  
Soils and agriculture.
- 18265 DAVIES, D. S. The organization and control of agriculture and food in Nazi Germany. Gt. Brit. Min. Agr. Agriculture 52: 433-440. Jan. 1946. 10 G79J
- 18266 DE GUERIN, B. G. Gossip from old Guernsey Island. Guernsey Breeders' J. 69: 134, 146, 148, 151. Jan. 15, 1946. 43.8 G93  
Problems of agriculture and the livestock industry.
- 18267 DRUMMOND, W. M. Says less farmers agricultural gain. Rural Co-op. 10(9): 1, 5. Jan. 22, 1946. 280.28 R88  
The problem of overproduction and need for moving farmers into industry.
- 18268 EBERLE, A. M. Planning days over--time to act! Dakota Farmer 66(2): 8. Jan. 19, 1946. 6 D14  
A five-point program for agricultural reconversion in the Middle West.
- 18269 EWING, J. T. Visiting California; a Canadian finds many striking contrasts between farming in the sunny State and our own western conditions. Family Herald and Weekly Star 76(50): 3. Dec. 12, 1945. 7 F21
- 18270 FEDERAL RESERVE BANK OF ST. LOUIS. 1945 in review. Fed. Reserve Bank St. Louis. Monthly Rev., Feb. 1, 1945, 12 p. 284.8 F13a  
Agriculture, p. 9-12.
- 18271 GREEN, P. L. Outlook for 1946. Ohio Farm Bur. News 25(7): 8. Feb. 1946. 6 Ch34
- 18272 HOEKZEMA, J. P. Guide expert gives views on 1946 farm outlook. Farmers Guide 102(1): 2. Jan. 1, 1946. 6 In2
- 18273 HONIG, P. Agriculture in the Netherlands Indies. (Digest.) In Honig, P., and Verdoorn, F. eds. Science and scientists in the Netherlands Indies, p. 175-180. N. Y., Bd. for the Netherlands Indies, Surinam and Curacao, 1945. 330 H75
- 18274 HORST, M. Post-war problems and promises [for Pennsylvania farmers]. Pa. Farmer 134(1): 5. 25, 27. Jan. 12, 1946. 6 P383
- 18275 HUTSON, J. B. Agriculture in the year ahead. Feedstuffs 18(2): 41-46. Jan. 12, 1946. 286.81 F322  
Northwest. Miller 225(6): 26-27, 30-31, 100-101. Feb. 5, 1946. 298.8 N81
- 18276 JONES, A. C. National Grange took stand on farm policy. South. Planter 107(2): 46. Feb. 1946. 6 So89

#### AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS



- 18277 LEE, A. Reconocimiento de los recursos y posibilidades agrícolas de la República Dominicana. Dominican Repub. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr. 36(159): 7-13. (Cont.) Mar./Apr. 1945. 8 R323
- 18278 LIVERSAGE, V. What is wrong with European agriculture in Kenya? East African Agr. J. 11: 80-82. Oct. 1945. 24 Ea74
- 18279 MCALLISTER, G. Gran Bretaña elabora planes para su agricultura. Agrario 10(367): 4. Aug. 31, 1945. 9.3 Ag85
- 18280 MCEWEN, J. Looking to the future; prospects of Australia's primary industries. Countryman (ser. 20), No. 50, p. 3. Dec. 21, 1945. 281.8 C83
- 18281 MELLO, A. L. S. Os princípios de estruturação da economia rural. Rev. Rural Bras. 25(303): 14-19. Nov. 1945. 0.2 B733
- 18282 MERCHANT, C. H. Agriculture looks ahead. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 61, p. 1337-1344, processed. Jan. 1946. 275.29 M281F
- 18283 MEXICO. SECRETARÍA DE AGRICULTURA Y FOMENTO. Plan de movilización agrícola de la República Mexicana; cotejo de los resultados obtenidos en 1944 y modificaciones impuestas para 1945 y años subsiguientes. 53 p. México, D. F., 1945. 281.9 M572
- 18284 MILSTEN, M. S. Agricultural coordinating club. Natl. County Agent 2(2): 15. Feb. 1946. 275.28 N213
- Coordination of agricultural policy in Fillmore County, Minn.
- 18285 MOLL, R. Estudio del desarrollo de la economía venezolana. II.—La producción agrícola. Bol. de la Cám. Com. Caracas (ser. 2) 34: 9897-9899, 9901-9906. (Concl.) Nov. 1945. 287 C173
- 18286 MORSE, T. D. The future and what to do about it. Natl. Assoc. Silo Mfrs. Proc. (1945) 33: 2-9, processed. 60.79 N21
- Farm prospects and problems.
- 18287 NATIONAL GRANGE OF THE PATRONS OF HUSBANDRY. Journal of proceedings... annual session, 79th, 1945, 221 p. Springfield, Mass., 1946? 4 N21
- Contains the address of A. S. Goss on agricultural problems, p. 13-42.
- 18288 NEW ENGLAND COUNCIL. New England agriculture; a blue print for immediate action. Yankee Food Merchant 6(2): 10-11. Feb. 1946. 286.83 Y1
- 18289 THE 1946 farm outlook. Iowa Farm Econ. 12(1): 3-8. Jan. 1946. 275.28 I692
- 18290 POULIN, L. P. Comment procéder pour déterminer les ressources agricoles mondiales? Terre de Chez Nous 18(19, 1. e. 18): 3, 19. Feb. 6, 1946. 7 T27
- 18291 POULIN, L. P. La détermination des ressources agricoles mondiales. Terre de Chez Nous 18(18, 1. e. 17): 3, 7. Jan. 30, 1946. 7 T27
- 18292 PROBLEMS of north Western Australia. By "Old Timer." Past. Rev. 55: 934-935. (To be cont.) Dec. 15, 1945. 23 Au75
- Agricultural problems.
- 18293 QUEBEC. MINISTÈRE PROVINCIAL DE L'AGRICULTURE. SERVICE DE L'INFORMATION. Une revue générale de l'année agricole 1945. Terre de Chez Nous 18(13): 1, 16. Jan. 2, 1946. 7 T27
- 18294 RAFAEL, A. R. La política agraria, una norma del actual gobierno. Cuba. Min. de Agr. Rev. 28(4): 72-73. Oct./Dec. 1945. 8 Ag88Re
- 18295 RAUBER, E. L. Sixth District agriculture in 1945. Fed. Reserve Bank Atlanta. Monthly Rev. 31(1): 3-6. Jan. 31, 1946. 284.8 F31A
- 18296 RIEMENS, H. The Hot Springs Conference and agriculture in Southeast Asia. In Honig, P., and Verdoorn, P., eds. Science and scientists in the Netherlands Indies, p. 283-285. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75
- 18297 SCHULTZ, T. W. Will agriculture collapse? Amer. Soc. Farm Managers and Rural Appraisers. J. 9: 115-121. Oct. 1945. 281.8 Am32

18298 SCROGGIN, M. Mr. Wiley tells of his Army experiences overseas; Army life took him to New Zealand, New Guinea, Australia, and the Philippines. Ark. Agr. 23(5): 4-5. Jan. 1946. 276.8 Ar42

#### Agricultural notes.

18299 THOMAS, G. Planned production at Myall Downs. Country Life [Sydney] 57(23): 20. Dec. 7, 1945. 286.85 Sy2

18300 TOLLEY, H. R. Agricultural outlook. Farm Impl. News 67(1): 46. Jan. 3, 1946. 58.8 F22

18301 TOTUSHEK, T. J. Weather will be watchword for 1946 food production. Com. West 91(3): 10. Jan. 19, 1946. 286.8 C733

Agricultural prosperity dependent on farm output.

18302 TRIVIZ, A. E. Outlook for agriculture in 1946; with comment on probable price trends and effect of end of subsidies. N. Mex. Stockman 11(1): 77. Jan. 1946. 49 N462

18303 UNIO DAS ASSOCIAÇÕES AGRO-PECUÁRIAS DO BRASIL CENTRAL. Declarações... sobre o problema agrário nacional. Observador Econ. e Financ. 10(118): 126-128. Nov. 1945. 280.8 Ob72

18304 VARNEY, H. R. Outlook for Vermont farming as a contribution to New England prosperity. North. Farms News 8(10): 6-7. (Cont.) Jan. 1946. 280.28 N815

18305 VERGERONT, R. J. Army officer tells of German farming. Wis. Agr. and Farmer 73(3): 33. Feb. 2, 1946. 6 W751

18306 WATKINS, D. W. Twenty good New Year resolutions. Prog. Farmer, Car.-Va. Ed. 61(2): 21. Feb. 1946. 6 P945

Suggests a 1946 farm program for South Carolina.

18307 WELCH, F. J., and TODD, H. P. Continued heavy demand for farm products during postwar years anticipated. Miss. Farm Res. [Miss. Sta.] 8(11): 1, 8. Nov. 1945. 100 M69M1

18308 WHAT'S ahead for the market grower? N. J. Farm and Gard. 17(2): 18-19, 24-26. Feb. 1946. 6 G162

Contents: Full or limited production, by J. Paffen-dorf; More and more for less and less, by W. K. Hookstra; Good prices for several years, by J. Middleton; Good management needed, by J. Moiso; Caution the watchword, by G. Stevens; Profitable units - better varieties, by W. B. Kille.

18309 WILKINSON, A. E. Looking into the future. New England Homestead 119(2): 16-17. Jan. 26, 1946. 6 N442

Agricultural outlook.

18310 WOODWORTH, H. C. More efficient production needed; apparent pattern includes high production, moderate prices and high wages. Merrimack's Monthly Messenger 8(1): 1-2. Jan. 1946. 6 M55

#### Agriculture. Postwar

18311 HOLLAND, C. A. Reconstruction in post-war agriculture. Tasmanian J. Agr. 16: 126-129. Nov. 1, 1945. 23 T182T

18312 HUTCHESON, J. R. Postwar agricultural policy. Shorthorn World 30(20): 6, 30-31. Jan. 25, 1946. 43.8 Sh8

18313 MYERS, W. I. Postwar farming. Nulwid News 23(9): 4-6, 22-23. Jan. 1946. 47.8 N917

18314 SMITH, H. C. Wartime production and the future. Tasmanian J. Agr. 16: 125. Nov. 1, 1945. 23 T182T

#### Subsidies

18315 CONWAY, H. M. Live stock protected from bearish effect of subsidy removals. Natl. Live Stock Prod. 24(5): 7. Feb. 1946. 280.38 N21

18316 HALL, H. W. Two aspects of subsidies. Dairyland News 16(3): 4. Feb. 11, 1946. 280.28 W752



18317 HOGE, O. S. Subsidies likened to holding a bear by the tail. Wyo. Stockman-Farmer and Wyo. Indus. J. 52(2): 14. Feb. 1946. 6 W992

18318 O'NEAL, E. A. Removal of consumer food subsidies; statement ... to Office of War Mobilization and Reconversion Board (Jan. 21, 1946). Amer. Farm Bur. Fed. Off. News Let. 25(3): 1, 2. Feb. 6, 1946. 280.83 Am3W

18319 SMITH, G. Wool subsidies in England. Westralian Farmers' News 7(322): 1. Dec. 20, 1945. 280.28 W523

#### COST AND STANDARD OF LIVING

18320 FARM family living outlook. Iowa Farm Econ. 12(1): 9-10. Jan. 1946. 275.28 Io92

#### FARM MANAGEMENT AND LAND ECONOMICS

18321 ANDERSON, R. Staking the hired man. Farm J. 70(1): 19. Jan. 1946. 6 F2212

Tells about farmer helping the hired man to start farming for himself.

18322 BELSKY, A. S. Masters of modern farming in U. S. S. R. Agr. Com. Amer.-Soviet Friendship. Release 1(56): 2, processed. Jan. 15, 1946. 20 Ag89

18323 BLACK, J. J. Finance on the small farm. Field 186: 543. Nov. 24, 1945. 10 F45

18324 BOLTON, F. P. My visit to a Russian collective farm; the American way of farming is still the best. Ohio Farmer 197(2): 5. Jan. 19, 1946. 6 Oh3

18325 BURGESS, A. C. Studies in farm management; sharemilking in North Taranaki. New Zeal. J. Agr. 71: 621-625, 627, 629. Dec. 15, 1945. 23 N48J

18326 BUTLER, W. O. A wheat farm in the Punjab; soil--methods--types. Milling 106: 34, 38. Jan. 12, 1946. 298.8 M622

18327 DAVIS, W. D., and others. Balanced farming. Amer. Soc. Farm Managers and Rural Appraisers. J. 9: 79-92. Oct. 1945. 281.8 Am32

A. R. Eagan, M. W. Clark, and V. Richardson, joint authors.

18328 DE JONG, J. L. Bank-managed farming. Banking 38(8): 47, 117. Feb. 1946. 284.8 Am3

18329 ESTRELA, R. Monocultura e alimentacao. Observador Econ. o Financ. 10(117): 109-111. Oct. 1945. 280.8 Ob72

Effect of cacao monoculture in Brazil and need for diversification.

18330 FARMING is not so bad. By Rusticus. Canad. Countryman 35(2): 4, 28. Jan. 19, 1946. 7 C833

18331 FIRST NATIONAL BANK OF CLARKSVILLE, TENN. Beef cattle--one of the 'four pillars.' Stockman 6(2): 10-11, 90. Feb. 1946. 49 So83

Management and credit.

18332 FISHER, J. Environment's role in farm management; necessity for balancing stock with quality of pasture. Farmer's Weekly [Bloemfontein] 70: 723. Nov. 28, 1945. 24 F225

18333 FLOWERS, J. To replace virgin timber Pearl River County [Miss.] turns to tung nuts, beef cattle. Prog. Farmer, Miss.-Ark.-La. Ed. 61(2): 34. Feb. 1946. 6 So81

18334 HAMMER, C. H. Estate management and the Land Agents' Society in Great Britain - 1944. Amer. Soc. Farm Managers and Rural Appraisers. J. 9: 103-108. Oct. 1945. 281.8 Am32

18335 HARDIN, L. S. Planned production means less work but greater output on Rothenberger farm. Successful Farming 44(2): 120, 122-123, 125. Feb. 1946. 6 Su12

18336 HARRINGTON, L. Ducks and drakes into dollars and cents. Canad. Business 19(2): 32-33, 88. Feb. 1946. 287 C162

Management of a duck farm.

18337 HILL, R. P. Studies in farm management; a Heretaunga Plains farm. New Zeal. J. Agr. 71: 349-352. Oct. 1945. 23 N48J

18338 PURD, A. Progress at Goodings. Country Life [London] 98: 1015. Dec. 7, 1945. 20 C83

Food production at the Country Life estate in Berkshire.

18339 HUYKE, E. E. Hablando con Mario Canales en Jayuya. Rev. del Café 1(3): 1-2. Aug. 1945. 8 R3295

Interview with owner of a coffee plantation, La Colonia, in Puerto Rico.

18340 HUYKE, E. E. Hablando con Wolfrando González. Rev. del Café 1(4): 51. Sept. 1945. 8 R3295

Interview with the owner of "Covadonga" in Puerto Rico, a coffee plantation.

18341 MÄNSSON, E. Mathema Norrgård - ett vilskött mindre jordbruk. Lantmannen 30: 35-37. Jan. 12, 1946. 11 L234

Management of small farm in Östergötland, Sweden.

18342 MCMUNN, E. W. Cash crops with livestock make better balanced farm program. Ohio Farmer 197(3): 10. Feb. 2, 1946. 6 Oh3

18343 MILLER, J. D. Mixed farming in northern N. B. [New Brunswick]. Family Herald and Weekly Star 77(2): 5. Jan. 9, 1946. 7 F21

18344 MILES, M. A. A plan for the cotton farmer. Ga. Agr. 77(3): 9, 13. Dec. 1945. 276.8 G29

Diversified farming.

18345 NEEL, L. R. A Southerner visits the Corn Belt and observes the farming methods used in the "nation's bread basket." South. Agr. 76(2): 9, 59. Feb. 1946. 6 So83

18346 NEW SOUTH WALES, DEPT. OF LANDS. Report, 65th, 1943/44, 19 p. Sydney, 1945. 271.1 L22R

Includes report by Western Lands Commissioner.

18347 NOTTAGE, I. L., and ALLO, A. V. Farming a small holding; mixed fruit and dairy farm in Tauranga district. New Zeal. J. Agr. 71: 563, 565, 567, 569. Dec. 1945. 23 N48J

18348 POE, C. "Two-armed farming;" why we must have it. Prog. Farmer, Tex. Ed. 61(3): 102. Mar. 1946. 6 T311

Animal production and crop production.

18349 RICE, V. A. Why be a farmer? Stockman 6(2): 8-9, 84-88. Feb. 1946. 49 So83

18350 RUDENKO, N. Vosstanovlenie kolhoznoho proizvodstva v Klinskoi raione [Restoration of collective farm production in the Klin region]. Socialist. Sel'sk. Khoz. 16(6): 25-35. June 1945. 281.8 So73

18351 SEAMAN, G. L. Farming on safe ground. Country Gent. 116(2): 28, 126-127. Feb. 1946. 6 C833

Farm management.

18352 SLATER, L. E. An economic study of fruit farming in Wayne County, New York, 1940-42. Cornell U. Abs. Theses 1944: 208-211. 1945. 241.8 C81

18353 SMALLFIELD, P. W. Farming in New Zealand; wartime farming. New Zeal. J. Agr. 71: 571-584. Dec. 15, 1945. 23 N48J

18354 SMITH, E. Seven days on an accredited farm. Poultry [London] 97: 406. (To be cont.) Dec. 25, 1945. 47.8 P869

18355 STOCKLEY, C. H. An upland farm in Kenya. Country Life [London] 98: 906-907. Nov. 23, 1945. 20 C83

18356 TAYLOR, R. H. The veteran and farming. Nulaid News 23(9): 14-15. Jan. 1946. 47.8 N917

18357 THOMPSON, B. Turkeys help pay for a farm. Prog. Farmer, Tex. Ed. 61(2): 34, 82-83. Feb. 1946. 6 T311



18358 THOMPSON, D. How do you measure up to the practices of good farm management? Utah Farmer 65 (11): 4. Jan. 25, 1946. 6 D45

18359 TINDALL, C. Here is a one-man farm. Mo. Ruralist 87(3): 12-13. Feb. 9, 1946. 6 R8891

18360 TOWLE, D. S. Heads vs. legs; study shows time and labor saving on dairy farms is possible by careful planning. Esso Farm News 5(1): 2-5. Jan. 1946. 6 E472

18361 TRIPP, T. A. Shall ministers farm? Town & Country Church, No. 22, p. 5. Dec. 1945. 281.28 T66

18362 TURNILL, L. Starting on 5 acres at 50. Poultry Farmer [London] 114(2950): 4. Jan. 4, 1946. 47.8 F312

Poultry farming.

18363 U. S. DEPT. OF THE INTERIOR. Annual report, 1944/45, 323 p. Washington, 1945. 156 An7

Includes reports of the General Land Office, the Office of Land Utilization, and the Grazing Service.

18364 WATSON, J. A. S. N. A. A. S. National Agricultural Advisory Service, Ct. Brit. Min. Agr. Agriculture 52: 469-471. Jan. 1946. 10 G79J

18365 WHEN the domestic retires--3-5. By the Fenman. Poultry [London] 97: 409; 98: 25, 57. Dec. 25, 1945, Jan. 8, 22, 1946. 47.8 P869

Suggestions for the retiring domestic poultry keeper who can afford to raise fancy or pedigreed fowl.

18366 WHITLOW, S. From the rice country. Prog. Farmer, Tex. Ed. 61(3): 100. Mar. 1946. 6 T311

Rice - cattle combination.

18367 WRIGHT, K. T. Agricultural planning and management of the farm. West. Farm Econ. Assoc. Proc. (1945) 18: 28-31. 280.83 W52

#### Bookkeeping and Records

18368 BIRD, A. W. Farm financial statements. Banking 38(8): 72-73. Feb. 1946. 284.8 Am3

18369 BOOKHOUT, B. R., and others. Michigan farm economics chart book, 1946. Mich. State Col. Agr. Ext. F. M. 378, 31 p., processed. 1945. 275.29 M581

J. C. Doneth, A. Mauch, and K. T. Wright, joint authors.

Statistics.

18370 BULLARD, J. E. Fit bookkeeping to the farm. New England Homestead 119(3): 14-15. Feb. 9, 1946. 6 N442

18371 GORDON, J. J. A record every farmer should keep. Canad. Countryman 35(3): 34. Feb. 2, 1946. 7 C833

An annual inventory.

18372 SPOONER, H. L. Bookkeeping records provide help for future farm activities. Farmers Guide 102(2): 12. Jan. 15, 1946. 6 In2

18373 UGGLAS, C. AF. Bokföringen - några riktlinjer. Lantmannen 30: 16-17, 20. Jan. 5, 1946. 11 L234

Methods of keeping farm accounts in Sweden.

#### Cost of Production

18374 ARKANSAS. UNIVERSITY. BUREAU OF RESEARCH. Cost studies in frozen food processing. Food Packer 27(2): 41-42, 56. Feb. 1946. 286.83 C165

18375 GULBERTSON, C. C. Good beef from silage. Amer. Soc. Farm Managers and Rural Appraisers. J. 9: 100-102. Oct. 1945. 281.8 Am32

Cattle feeding - costs and returns.

18376 DOW, G. F. Proposed price change for Boston producers; trends in milk production costs; and seasonal variation in milk production. Maine. Agr. Col. Ext. Farm Econ. Facts, No. 61, p. 1354-1363, processed. Jan. 1946. 275.29 M281F

18377 DUNKERLEY, S. W. Sharp freezing and stores' rates. Mod. Refrig. 49(574): 15-16. (To be cont.) Jan. 1946. 295.8 M72

Australia.

18378 FARNSWORTH, MRS. H. What will pullets cost? Mo. Ruralist 87(2): 16. Jan. 26, 1946. 6 R8891

18379 GOLDSMITH, P. V. How the \$1 per ton increased support price will affect sugar beet returns. Sugar Beet J., Jan. 1946, p. 164-165. 66.8 Su38

18380 HENDERSON, D. C. Can cut costs and meet competition. New England Homestead 119(3): 6-7. Feb. 9, 1946. 6 N442

On feeding costs in turkey production.

18381 HOPKINS, T. T. Production cost of seeds, in Rocky Mountain States. Seed Trade News 46(6): 1, 3. Feb. 6, 1946. 61.8 Se3

Also in Seed World 59(3): 25. Feb. 1, 1946. 51.5 Se52

18382 LITTON, G. W. Maximum flock returns in 1946. East. Breeder 7(9): 34-37. Feb. 1946. 49 V81

Sheep raising.

18383 RUDEN, W. L. Green pasture+clean ground=hog profits. Nebr. Farmer 88(3): 5. Feb. 2, 1946. 6 N27

18384 RUTHERFORD, D. M. How many citrus trees on the payroll? Calif. Citrog. 31: 132-133. Feb. 1946. 80 C125

18385 SICER, J. W. All-pullet flocks earn more money. Poultry Tribune 51(11): 17, 52-53. Dec. 1945. 47.8 P8642

18386 STUCKY, H. R. Sheep ranch costs. Mont. Wool Grower 20(2): 7, 9, 28-29. Feb. 1946. 45.8 M762

18387 UNDERKOFER, L. A. El alcohol de mieles en la postguerra. Cuba Econ. y Financ. 20(237): 17-19. Dec. 1945. 286.8 C892

Gives costs of producing alcohol from grain and molasses.

18388 WILCOX, R. H. Cost of producing milk in the Illinois portion of the St. Louis milkshed. Popkess Dairyman's J. 32(10): 5, 8, 11, 13. Jan. 1946. 44.8 D142

18389 WOODWARD, E. D. What income can be expected from poultry? The results of a two years' survey conducted by the University of British Columbia bring to light facts that affect everyone producing eggs. Canada Poultryman 33(1): 5-8. (To be cont.) Jan. 1946. 47.8 C166

#### Farms - Number and Size

18390 BYRN, W. P. Changes in farms and acreage; a preliminary survey of the 1945 census of agriculture which shows 82 million more acres and 86,277 fewer farms. Printers' Ink 214(5): 29-32. Feb. 1, 1946. 238.8 P932

18391 DOWELL, A. A. Effect of size of farm on investment in land, buildings, and implements and machinery in the Corn Belt. Amer. Soc. Farm Managers and Rural Appraisers. J. 9: 93-97. Oct. 1945. 281.8 Am32

18392 TODD, H. P. Fewer but larger Mississippi farms. Miss. Farm. Res. [Miss. Sta.] 8(12): 8. Dec. 1945. 100 M69M1

#### Land Settlement and Colonization

18393 GOMEZ MAGANDA, M. La primera ciudad agropecuaria. Rancho 2(3): 21. Jan. 1946. 8 R16R

To be built in Mexico by the government.

18394 OPPENHEIM, B. Youth - pioneers of the promised land. Mag. Digest 32(2): 109-111. Feb. 1946. 110 M27

Youth settlement in Palestine.

18395 STUTT, R. A. Land settlement in northern pioneer areas of Saskatchewan. Agr. Inst. Rev. 1: 185-188, 190-195. Jan. 1946. 7 Ag8

Discussion by T. P. Devlin, p. 196, 198-200.



- 18396 VANCE, R. C. Mexican holiday; Mormon colony at Dublan. Nebr. Farmer 88(3): 1, 36, 41. Feb. 2, 1946. 6 N27

#### Land Tenure

- 18397 BRAUNSTEIN, K. Rätten att förvärva jordbruksfastighet; en översikt över de nya lagbestämmelserna. Lantmannen 30: 14-15. Jan. 5, 1946. 11 L234  
Explanation of the new law, effective Jan. 1, 1946, regulating the acquisition of farm land through purchase or exchange in Sweden.
- 18398 CHRISTIE, H. E. Once they were tenants! How the Parker and Schlater families became farm owners with the extra cash income from wartime poultry. Poultry Tribune 51(9): 12, 32-33. Oct. 1945. 47.8 P8642
- 18399 EKE, P. A. Part cash part share; plan is fair rent. Idaho. Agr. Col. News Let. 31(1): 4. Jan. 1946. 276 I13N
- 18400 HILL, E. B. How's your lease? Mich. Farmer 206: 77. Feb. 2, 1946. 6 M58
- 18401 LEAKE, H. M. Co-partnership on the land. Land Union J. 42: 63-65. Nov./Dec. 1945. 282.8 L22  
A leasing arrangement for association-owned farms in Great Britain.
- 18402 NELSON, P. Land tenure and pasture conservation. Car. Farm Econ. [Okla. Sta.] 18: 141-145. Dec. 1945. 100 Ok4
- 18403 STOUTENBOROUGH, B. How about arranging partnership with Dad? Natl. Live Stock Prod. 24(5): 8. Feb. 1946. 280.38 N21
- 18404 WAKUKAWA, S. History of [farm] tenancy system in Japan. Far East. Survey 15(1): 5-8. Jan. 16, 1946. 280.9 I782

#### Land Utilization

- 18405 SOUZA, W. W. C. DE. Terras baldias. Observador Econ. o Financ. 10(117): 96-97. Oct. 1945. 280.8 Ob72  
On the utilization of idle public lands for food production in Brazil.

#### Land Values and Valuation

- 18406 COPELAND, R. M. California's land rush is on. Mag. Digest 32(2): 78-80. Feb. 1946. 110 M27  
Land boom.
- 18407 HENRY, E. E. Appraising farm lands. Appraisal J. 14(1): 33-37. Jan. 1946. 282.8 Am3
- 18408 HERZER, T. O. F. Proper appraisal practices. Amer. Soc. Farm Managers and Rural Appraisers. J. 9: 134-140. Oct. 1945. 281.8 Am32
- 18409 SMITH, W. J. Facts supporting farm appraisals. Amer. Soc. Farm Managers and Rural Appraisers. J. 9: 127-133. Oct. 1945. 281.8 Am32
- 18410 STEWART, C. L., and BROWN, O. B. How rich in land are Illinois farmers? Ill. Farm Econ., No. 127/128, p. 313-321. Dec. 1945/Jan. 1946. 275.28 IL5  
Values in terms of plowland.
- 18411 TOOTELL, R. B. Ranch purchase contracts. Mont. Farmer 33(10): 2-3. Jan. 15, 1946. 6 M764

#### POPULATION

- 18412 CANADA. DEPT. OF LABOUR. RESEARCH AND STATISTICS BRANCH. Changes in population and in the labour force. Labour Gaz., Dec. 1945, Sup., 31 p. Ottawa, 1946. 283.8 C16L  
Includes rural population and population engaged in agriculture.
- 18413 COLÓN, R. L. Siño perico se va para la capital. Rev. del Café 1(4): 42, 64. Sept. 1945. 8 R3295  
Rural-urban exodus.

- 18414 GILLMAN, C. Population problems of Tanganyika Territory. East African Agr. J. 11: 86-93. Oct. 1945. 24 Pa74  
Includes land use.
- 18415 TAYLOR, C. C. Farm population shifts. Farm Impl. News 67(1): 78. Jan. 3, 1946. 58.8 F22
- 18416 WHITNEY, V. H. The rural-nonfarm population: patterns of growth in a Piedmont Area. Social Forces 24(1): 81-89. Oct. 1945. 280.8 J823

#### RURAL SOCIAL ORGANIZATION

- 18417 DAWBER, M. A. Must we revise our rural life program? Dairymen's League News 30(3): 10-11. Jan. 29, 1946. 44.8 D1432
- 18418 RIVIERE, C. M. Problemas del campo y los rurales. Diario Rural 5(537): 12. Dec. 8, 1945. 9.9 D54  
Uruguay.
- 18419 VIRGINIA. STATE PLANNING BOARD. County planning institutes. Sect. 1-2, 4-b. Va. State Planning Bd. Planning Monog. Ser., v. 2, 5 Nos. Richmond, 1945. 280.7 V81P1  
Contents: Sect. 1. Organization of county planning and regional planning commissions, by E. H. Ruehl; Some necessary working tools and planning aids, by R. V. Long; Sect. 2. Zoning for rural Virginia, by J. E. Mason; Sect. 4. Rural industry, by V. E. Kemp; Planning for the development of rural industries, by L. A. Thompson. The industrial development of Virginia's natural forest resources, by G. W. Dean; Sect. 5. Agricultural planning for Virginia, by W. Anderson; Sect. 6. Operation and functions of the county clinic as it relates to planning, by R. Egger and W. Doyle.

#### Human Ecology

- 18420 BELL, E. H., and KANDINER, F. B. Emerging rural communities. Free Amer. 9(3): 15-17. Autumn 1945. 280.8 F872
- 18421 COLLINS, W. B. Crux africana. Farm and Forest 6: 100-101. Apr./June 1945. 24 F226  
Poverty in African villages.
- 18422 DARLING, E. M. The village quiz. Country Life [London], 98: 955. Nov. 30, 1945. 80 C83
- 18423 GILLIN, J. Parallel cultures and the inhibitions to acculturation in a Guatemalan rural community. Social Forces 24(1): 1-14. Oct. 1945. 280.8 J823
- 18424 MCCLUNG, W. M. Can the community act to meet vital problems. Ext. Serv. Rev., Jan. 1946, p. 6-7. 1 Ex892Ex
- 18425 WALSTON, H. D. The future of great country houses--III; the country house as a centre. Country Life [London], 98: 904-905. Nov. 23, 1945. 80 C83  
The country house as a center of village life.
- 18426 WATTS, R. L. Regional or valley authorities. Pa. Farmer 134: 44-45. Jan. 26, 1946. 6 P383

#### Institutions

- 18427 A., L. L. Mennonites in the North Country Rural New-Yorker 105: 148. Feb. 16, 1946. 6 R88
- 18428 ANDERSON, MRS. A. L. Libraries for farm folks: a pattern for rural library service. Capper's Farmer 57(2): 40-41. Feb. 1946. 6 M693
- 18429 ANDRÉN, J. El seguro de cosechas contra todo riesgo. Agricultura [Madrid], 14: 573-576. Nov. 1945. 15 Ag84
- 18430 AYALA MARTIN, E. Las industrias rurales. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(17): 12-13. Aug. 1945. 15 Spl2



- 18431 B., F. Some old school memories. Rural New Yorker 105: 154. Feb. 16, 1946. 6 R88
- 18432 B., F. W. On a city school farm. Rural New-Yorker 105: 90. Feb. 2, 1946. 6 R88  
Newtown High School, Queens, N. Y.
- 18433 BENTON-EVANS, W. B. Why not technical education on a planned scale in Nigeria. Farm and Forest 6: 87. Apr./June 1945. 24 F226  
Crafts.
- 18434 BLAIR, N. F. Something old--something new; good old farm tour with audio-visual trimming. Natl. County Agent 2(2): 4. Feb. 1946. 275.28 N213  
As a teaching method.
- 18435 BOULDEN, C. E. Agricultural education in the Province of Nova Scotia. Marit. Farmer and Co-op. Dairyman 51(5): 3. Jan. 15, 1946. 7 C77
- 18436 BRACKEN, L. O. Dr. Jackson goes home to serve country neighbors. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(2): 14, 24. Feb. 1946. 6 P945  
Rural health service in Lester, Ala.
- 18437 BRYANT, M. H. How I promote my supervised farming program; vo-ag teacher suggests basic principles for developing sound farm projects. Better Farming Methods 18(2): 20, 40. Feb. 1946. 58.8 B46
- 18438 CASTAÑEDA DE RANERO, J. E. La enseñanza agrícola en los E. U. A. Rancho 2(3): 33-34, 43. Jan. 1946. 8 R15R  
Extension work in the United States.
- 18439 CHAPMAN, D. E. Agricultural extension project in the other Americas. Agr. in the Americas 6: 27-29, 38. Feb. 1946. 1 F752A  
Distribution of agricultural publications written in simple Spanish.
- 18440 CLARK, R. M. Secondary schools provide agricultural training for veterans. Agr. Ed. Mag. 18: 144. Feb. 1946. 275.8 Ag8
- 18441 COUPER, G. P. California's school farms. Country Gent. 116(2): 68. Feb. 1946. 6 C833
- 18442 COUPER, G. P. Supervisor's camera follows vo-ag teacher; typical day highlights the activities of the vocational agriculture instructor. Better Farming Methods 18(2): 15-17. Feb. 1946. 58.8 B46
- 18443 DOUDNA, Q. V. Rural education. Dairy-land News 16(3): 2. Feb. 11, 1946. 280.28 W752
- 18444 DWINELL, H. A. Baled hay to feature Vermont's Farm Products Show. New England Homestead 119(1): 10. Jan. 12, 1946. 6 N442
- 18445 EASTERBROOK, L. F. La agricultura como profesión en la post-guerra [Great Britain]. Agrario 10(369): 21. Oct. 15, 1945. 9.3 Ag85
- 18446 EKE, P. A. Retire now, economist says; best time since close of World War I. Freedom for declining years suggested for retiring agrarians. Idaho. Agr. Col. News Let. 31(1): 8. Jan. 1946. 276 I013W
- 18447 ELEAZER, J. M. Rural industries and new crops help South Carolina. Prog. Farmer, Car.-Va. Ed. 61(2): 34. Feb. 1946. 6 P945
- 18448 FARIS, G. Week day use of church advocated. Rural Co-op. 10(9): 8. Jan. 22, 1946. 280.8 B88
- 18449 GOVER, M., and YAUKEY, J. B. Physical impairments of members of low-income farm families--11,490 persons in 2,477 Farm Security Administration borrower families, 1940: VI. Extent of immunization against smallpox, diphtheria, and typhoid fever. Pub. Health Rpts. 61(4): 97-109. Jan. 25, 1946. 151.65 P95
- 18450 GRATTON, E., and COFFEY, C. Public library service in Virginia. Va. U. News Let., v. 22, No. 9, 1 p. Charlottesville, 1946. 280.9 V815  
Includes rural service.
- 18451 HAMNER, E. D. Shifting population: how to plan a church ministry. Town & Country Church, No. 23, p. 1-2. Jan. 1946. 281.28 T66
- 18452 HARPER, H. P. Project committees and extension teaching method. Natl. County Agent 2(2): 22-23. Feb. 1946. 275.28 N213
- 18453 HYRE, F. M. Government surpluses and rural hospitals. News for Farmer Coops. 12(11): 6, 18. Feb. 1946. 166.2 N47
- 18454 ITA, E. Development of crafts and crafts education [Nigeria]. Farm and Forest 6: 91-94. Apr./June 1945. 24 F226
- 18455 JACOBS, J. A. I've started my farm training. Smallholder 74(1871): 12-13. Jan. 25, 1946. 10 Sml
- 18456 JONNS, F. E. The development of crafts [Nigeria]. Farm and Forest 6: 88-90. Apr./June 1945. 24 F226
- 18457 JURGENSEN, E. M. A "late" suggestion. Agr. Ed. Mag. 18: 147. Feb. 1946. 275.8 Ag8  
Teaching suggestion for vocational agriculture instructors.
- 18458 KELSEY, R. T. Fair managers expect big year; set 1946 dates at annual meeting. Ohio Farmer 197(3): 14. Feb. 2, 1946. 6 Oh3
- 18459 KENNEDY, A. C. The teacher's farm shop; farm shop demonstrations, displays and exhibits can be used as effective teaching procedure. Better Farming Methods 18(2): 45-46. Feb. 1946. 58.8 B46
- 18460 KNIGHT, E. B. Do you really know your boys? Agr. Ed. Mag. 18: 147. Feb. 1946. 275.8 Ag8
- 18461 KNIGHT, E. B. From the boys' angle. Agr. Ed. Mag. 18: 153. Feb. 1946. 275.8 Ag8  
Problems in vocational agriculture classes.
- 18462 KUHLMAN, A. F. Vanderbilt [University] shares books with rural ministers. Libr. J. 71: 151-153. Feb. 1, 1946. 243.8 L61
- 18463 LAMEGO, A. Os fazendeiros de campos, no século passado. XII. Brasil Açucareiro 26: 434-435. Oct. 1945. 65.8 B73
- 18464 LARSON, L. W. The problem of medicine in rural health. Minn. Med. 29(1): 38-41. Jan. 1946. 448.8 M66
- 18465 LEBARON, G. A. Post-war reconstruction in health. Macdonald Col. J. 6(5): 21-22. Jan. 1946. 101 M144  
Particularly in rural areas.
- 18466 LEWIS, M. G. Home demonstrators in Venezuela. J. Home Econ. 38(1): 1-6. Jan. 1946. 321.8 J82  
On the work of the Servicio Interamericano de Producción de Alimentos.
- 18467 LLOYD, E. W. Educational value of farm weeks [Great Britain]. Field 186: 571-572. Dec. 1, 1945. 10 M45
- 18468 LOCKWOOD, MRS. L. V. Corn, and experiment in research. Gard. Club Amer. B., ser. 10, No. 4, p. 14-16. Jan. 1946. 90.32 G16  
A school project.
- 18469 MCCELLAND, J. For tomorrow's farmers today. West. Farm Life 48(2): 3, 16-17. Jan. 15, 1946. 6 R153  
Rural youth programs.
- 18470 MCGILL, R. S. The whole family "lives in" at this Georgia school. Mag. Digest 32(2): 57-60. Feb. 1946. 110 M27  
On the Rabun Gap-Nacoochee school.
- 18471 MACHADO, A. DE O. A escola rural produtiva. Rev. Rural Bras. 25(303): 22, 24, 26-28, 30 Nov. 1945. 9.2 B733
- 18472 MCLETHIE, J. L. The control of sleeping sickness in Northern Nigeria. Farm and Forest 6: 69-78. Apr./June 1945. 24 F226
- 18473 MARVIN, G. Hawaiian extension--"I love it." As told to A. Shellenberger. Wis. Country Mag. 39(4): 11, 18. Jan. 1946. 276.8 St9  
Describes farming conditions.
- 18474 MAUEL, B. Farming--the short course way. Wis. Country Mag. 39(4): 5. Jan. 1946. 276.8 St9
- 18475 MORRISON, J. C. Educational research in the New York State Education Department. J. Ed. Res. 39: 344-353. Jan. 1946. 275.8 J824  
Discusses agricultural and rural education.



18476 MORTENSEN, E. A new Danebod Folk School. Community Serv. News 4(1): 15-17. Jan./Feb. 1946. 281.28 C73

18477 NOLAN, A. W. When problems pile and the going is difficult teachers ask, "why teach vo-ag?" Better Farming Methods 18(2): 29. Feb. 1946. 58.8 B46

18478 OLSEN, P. W. From short course. Wis. Country Mag. 39(4): 4. Jan. 1946. 276.8 St9 Farmer education.

18479 PHILLIPS, P. Land, homes and the church, our resources work for the church. Town & Country Church, No. 23, p. 3-4. Jan. 1946. 281.28 T66

18480 PIELSTICK, D. F. Evangelism and the Lord's acre. Farmers Fed. News 26(5): 23. Jan. 1946. 280.28 F225

18481 POLLAN, A. A. Good health to Middle America; part II--A survey of the United Fruit Company's fight against tropical disease in Central America. Pan Amer. 6(9): 11-13. Feb. 1946. 280.8 P192

18482 PRAGER, W. 15,000 Dutch farmers perish in floods. Poultry Farmer [Sydney] 12(52): 27-28. May 26, 1945. 280.28 Or32

18483 PUTNAM, R. M. What does the extension man ask of the agricultural economist? Agr. Inst. Rev. 1: 179-180, 182-183. Jan. 1946. 7 Ag8 Discussion by M. E. Hartnett, p. 183-184.

18484 RURAL America must be healthier! Is "compulsory" legislation the answer? Wis. Agr. and Farmer 73(3): 1, 13. (To be cont.) Feb. 2, 1946. 6 W751

18485 SHANNON, K. Country dances. Ark. Farmer 48(1): 12-13. Jan. 1946. 6 Ar42

18486 SINGH, G. East Indians in the United States. Sociol. and Social Res. 30: 208-216. Jan./Feb. 1946. 280.8 S015

Agriculture is the chief occupation of these Punjab Indians.

18487 SNOW, C. F. F. A workshop of the countryside. Country Life [London] 98: 1006-1007. Dec. 7, 1945. 80 C83

18488 SOUZA, F. T. DE. Doença não conhece fronteiras; a história da cooperação brasileiro-americana na campanha da saúde. Observador Econ. e Financ. 10(118): 24-41. Nov. 1945. 280.8 Ob72

18489 STEWART, M. S. We can have better schools. Pub. Aff. Pam. 112, 31 p. N. Y., 1946. 280.9 P964 The Farmville Schools, p. 20-25.

18490 TAENOPOLSKY, S. Reumatología para el médico rural. Inst. Agr. Argentino. Reseñas, v. 5, No. 35, 36 p. 1945. 281.9 B862

18491 TAYLOR, D. G. Ex-servicemen correspondence course for down on farm. Country Life [Sydney] 57(23, Ed. Sup.): 15. Dec. 7, 1945. 286.35 Sy2

18492 TAYLOR, R. H. Social planning for agriculture may end traditional freedom of American farmer. Sunswet Standard 39, i. e. 29(8): 6. Jan. 1946. 286.83 Su7

18493 TINDALL, C. Open season...for county and local fairs. Mo. Ruralist 87(2): 5, 15. Jan. 26, 1946. 6 R8591

18494 TOLEDO, S. DE A. O combate ao tracoma no Estado de São Paulo. Arq. de Hig. e Saúde Púb. 10: 163-282. June 1945. Ref. 449.8 Ar6 Includes measures in rural areas.

18495 TOINE, L. V. The farmer and his place in a changing world. So. Austral. Dept. Agr. J. 49: 153-157. Nov. 1945. 23 So84

18496 TROTTER, I. P. Your [Texas] Agricultural Extension Service. Prog. Farmer, Tex. Ed. 61(2): 17, 24. Feb. 1946. 6 T311

18497 TURNER, T. W. Science teaching in Negro colleges. J. Negro Ed. 15(1): 36-42. Winter No., 1946. 275.8 J827

Includes agriculture.

18498 U. S. OFFICE OF EDUCATION. Annual report, 1945, 76 p. Washington, 1945. 156.3 An7

Agricultural Education, including Food Production War Training, p. 13-17.

18499 VITIRA, J. A. Grande obra de educação das populações rurais. Agr. e Pecuária 16(268/269): 3-4. Aug./Sept. 1945. 9.2 Ag29

18500 WILCOX, C. A study of occupational opportunities for agriculturally-minded veterans. Agr. Ed. Mag. 18: 146. Feb. 1946. 275.8 Ag8

18501 WILSON, M. L. Extension retools for peace. Co. Agent 6(1): 1, 9-10. Feb. 1946. 275.28 C832

18502 WILSON, M. L. A new chapter begins in extension work. Ext. Serv. Rev., Jan. 1946, p. 1. 1 Ex892Ex

18503 WIRTH, W. L. A challenge on youth activities. I. Parks & Recreation 29(1): 17-19. Jan./Feb. 1946. 98.8 P23

18504 WOMACKS, MRS. P. C. Better health for farm families. Hoosier Farmer 31(1): 21. Jan. 1946. 280.82 H76

18505 ZAMIR, D. Agric. courses of the Jewish Brigade. (In Hebrew.) Hassadeh 26: 119-120. Dec. 1945. 26 H27

#### Leadership

18506 CHANDLER, K. D. Developing State Farmers. Agr. Ed. Mag. 18: 155. Feb. 1946. 275.8 Ag8

Need for leadership training under the Future Farmers of America.

18507 RICE, K. Leadership for tomorrow. Town & Country Church, No. 23, p. 6. Jan. 1946. 281.28 T66

#### Rural Organizations and Movements

18508 AGUILAR ARFOSA, A. A. El cooperativismo y su importancia en el país. Fed. Argentina de Coop. Tambaras. Rev. 5(52): 4. Nov. 1945. 280.28 F31

18509 ANDERSON, L. More education needed in cooperative fundamentals. Pub. Power 3(12): 7-8. Dec. 1945. 335.8 P96

18510 CLARK, L. W. An informative advertising program for cooperatives. News for Farmer Coops. 12(11): 15-16. Feb. 1946. 166.2 N47

18511 COLÓN, R. L. La naturaleza del contrato. Rev. del Café 1(4): 28, 52. Sept. 1945. 8 R3295 On the nature of cooperative organizations.

18512 COUNTY Agent, v. 6, No. 1, 12 p. Feb. 1946. 275.28 C832

Contains the reports of the following committees of the National Association of County Agents: Agricultural Planning, Relations, 4-H Club, Farm Labor, Farm Credit, Farm Security Administration, Publicity, AAA Relationship, Reclamation and Flood Control, and R. E. A.

18513 DAVENPORT, I. They made the best better. South. Agr. 76(2): 26-27. Feb. 1946. 6 So83 4-H Clubs.

18514 DUGGAN, I. W. Government and cooperatives; since 1916 Congress has given legislative encouragement to farmer co-op groups. Wash. Packer 11(6): 6-7, 12. Jan. 1946. 389.8 W27

18515 GAVRILOVA, C. The pros and cons of farmers, cooperatives; part III. Quick Frozen Foods 8(6): 72-73. Jan. 1946. 389.8 Q4

18516 GAY, M. C. What makes co-ops click? Farm leaders point to able leadership; need for informed grower membership; ability to compete with big business. Sunswet Standard 39, i. e. 29(8): 8-10. Jan. 1946. 286.83 Su7

18517 GAY, M. C. When are growers ready to cooperate? Sowega Standard 22(1): 2. Jan. 17, 1946. 280.28 So9

Also in News for Farmer Coops. 12(11): 8-9. Feb. 1946. 166.2 N47



18518 GHOSE, T., and SINHA, H. Agricultural co-operation in Bengal and rest of British India (1918-19 to 1938-39). Sankhyā 7: 189-203. Nov. 1945. 251.8 In2

18519 GONZÁLEZ, J. A., and BERNAL, R. M. Jurisdicciones de las asociaciones agrícolas y ganaderas, reconocidas y registradas por la Secretaría de Agricultura y Fomento, hasta el mes de diciembre de 1945. Mex. Dir. de Econ. Rural. B. Mens., No. 236, p. 1262-1298. Jan. 1946. 254.5 Ag83

18520 HOAG, W. G. F. C. A. [Farm Credit Administration] writer says public unaware of co-op importance. Almond Facts 10(1): 7. Jan./Feb. 1946. 280.28 AL62

18521 HODGKIN, C. How to go forward--'discover agreement,' editor suggests. Nebr. Union Farmer 32(20): 9. Feb. 13, 1946. 280.8 N27

In cooperatives.

18522 HOEKZEMA, J. P. Whitley County [Ind.] boys leaders in F. F. A. work; Paul Keffaber is key person who makes unique organization a success. Farmers Guide 102(1): 10. Jan. 1, 1946. 6 In2

18523 HOPKINS, H. To get bargaining power we must have strong organization. W. Va. Farm News 24(11): 5. Feb. 1946. 275.293 W. Va.

18524 HUMENEUS EASTMAN, A. Análisis de los factores esenciales de la organización agrícola chilena. Agrario 10(369): 8-9, 10. Oct. 15, 1945. 9.3 Ag85

18525 JOHN, M. E. Follow the leader isn't a co-op game. News for Farmer Coops. 12(11): 14. Feb. 1946. 166.2 N47

Public obligations of cooperatives.

18526 MATHER, J. W. Start new members [of cooperatives] out right. News for Farmer Coops. 12(11): 9, 21. Feb. 1946. 166.2 N47

18527 MITCHELL, J. N. A Jersey cattle club. Agr. Ed. Mag. 18: 145. Feb. 1946. 275.8 Ag8

On the Crosby County [Texas] Jersey Cattle Club.

18528 NORRIS, V. Shelby county 4-H girls have fun in clothing project. Mo. Ruralist 87(3): 17. Feb. 9, 1946. 6 R891

18529 ROBIN, J. Un exemple d'évolution de l'Afrique rurale: le rôle progressif des fraternités d'âge sur les rives du Sénégal. Farm and Forest 6: 106-108. Apr./June 1945. 24 F226

Youth groups

18530 SÃO PAULO. DEPARTAMENTO DE ASSISTÊNCIA AO COOPERATIVISMO. Organização de cooperativas. São Paulo. Departamento de Assistência ao Cooperativismo. P. 136, 41 p. São Paulo, 1945. 280.29 Sa6

Applies to agricultural cooperatives.

18531 SAYLES, M. Michigan leads in co-op work. Mich. Farmer 206: 45, 60. Jan. 19, 1946. 6 M58

Activities of the Michigan Association of Farmer Cooperatives.

18532 SEAMANS, J. E. Financing a chapter [of the Future Farmers of America]. Agr. Ed. Mag. 18: 155. Feb. 1946. 275.8 Ag8

18533 SEVERSON, H. Rx for young America; the 4-H movement has prescribed a program especially tailored for rural boys and girls. South. Agr. 76(2): 14-15, 45. Feb. 1946. 6 So83

18534 SWANTON, M. K. Farmer cooperatives in the lime light. Dairyland News 16(3): 2, 5. Feb. 11, 1946. 280.28 W752

18535 THOMPSON, S. H. Sound co-op principles pay! Iowa Farm Econ. 12(1): 14-16. Jan. 1946. 275.28 Io92

18536 TOPPENBERG, C. Why farmers' solidarity is imperative [Canada]. West. Farm Leader 11: 38-39. Feb. 1, 1946. 280.28 W52

18537 WARBASSE, J. P. Co-operation in retrospect and prospect; IX. United States of America. Rev. Internatl. Co-op. 38: 176-179. Nov./Dec. 1945. 280.28 In8B

Includes agricultural cooperation.

18538 WARREN, G. L. Clubes agrícolas y domésticos. Cuba. Min. de Agr. Rev. 28(4): 11-12. Oct./Dec. 1945. 8 Ag88Re

18539 WARREN, G. L. National club week objectives call for spirited effort. Natl. 4-H Club News 24(1): 14. Jan. 1946. 275.28 N212

18540 WILSMORE, T. G. Re-shaping the West; co-operation has a great part to play. Primary Prod. [Perth] 30(51): 2. Dec. 13, 1945. 23 P932

#### RURAL SOCIAL PSYCHOLOGY

18541 NEELANDS, W. Time to take stock, suggests Neelands. Rural Co-op. 10(9): 5. Jan. 22, 1946. 280.28 R88

Growth of Canadian farm radio forums.

18542 SCHENCK, H. E. Economic war on home front limits nation's well-being. Hoosier Farmer 31(2): 5, 33. Feb. 1946. 280.82 H76

Farmer's attitude toward current economic problems.

#### TRADE, FOREIGN AND INTERNATIONAL

18543 ANDRADE, T. DE. A exportação cafeeira por cabotagem. Brazil. Dept. Mac. do Café. DNC 25: 453-454. Oct. 1945. 286.83 D44

18544 ARLEDGE, A. The ad valorem duty on Angora wool. Small Stock Mag. 30(2): 30. Feb. 1946. 48.8 P442

18545 BENNETT, M. K. The problem of meeting Europe's import needs. West. Farm Econ. Assoc. Proc. (1945) 18: 143-147. 280.83 W52

18546 DEFOCAS, J. C. Foreign trade of Uruguay in 1944. Com. Intel. J. 74: 104-110. Feb. 2, 1946. 286.8 C16

Agricultural products.

18547 DRUCE, P. C. The Australian wheat export trade. N. S. Wales. Dept. Agr. Div. Mktg. and Agr. Econ. Rev. Mktg. and Agr. Econ. (n. s.) 13: 293-298, processed. Nov. 1945. 286.8 N47M

18548 DRUMMOND, W. M. International trading problems. Agr. Inst. Rev. 1: 167-170, 172-175. Jan. 1946. 7 Ag8

Discussion by T. W. Grindley, p. 176-178.

18549 DUFFY, R. R. Grain movement out of Montreal port this season is the largest since 1928. Canad. Grain J. 1(3): 17. Oct. 1945. 59.8 C16

18550 EARLY, E. E. Air-cargo potentials between the United States and Mexico. U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 1. Transport. and Pub. Util., v. 3, No. 10, 17 p. Washington, 1945. 157.54 In231

Includes statistics for trade in agricultural products.

18551 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Iraq; review of commercial conditions, 1945, 30 p. London, 1945. 269.8 G79

Agriculture and foreign trade included.

18552 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Mexico; review of commercial conditions, 1945, 44 p. London, 1945. 254.5 G79

Includes agriculture and trade.

18553 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Palestine; review of commercial conditions, 1945, 26 p. London, 1945. 269 P172

Foreign trade included.

18554 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Persia; review of commercial conditions, 1945, 32 p. London, 1945. 269 P432

Discusses agricultural products, the food industry, and foreign trade.

18555 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Portugal; review of commercial conditions, 1945, 54 p. London, 1945. 264 G79

Includes foreign trade.



18556 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE, Sweden; review of commercial conditions, 1945, 32 p. London, 1945. 257.3 G79

Includes agriculture, foreign trade, and the textile and rubber industries.

18557 JACKSON, R. C. Factors relating to prospects for exporting U. S. cotton to Germany (with limited information on Italy and Switzerland). U. S. Dept. Com. Off. Pub. Bd. Rpt. 4495, 44 p., processed. Washington, 1945. 157.8 R29

18558 JOHNSON, R. Arizona farm markets in Mexico. Ariz. Farmer 25(1): 1, 3. Jan. 12, 1946. 6 Ar44

18559 KINGSLAND, A. Australian agricultural exports to Britain. N. S. Wales. Dept. Agr. Div. Mktg. and Agr. Econ. Rev. Mktg. and Agr. Econ. (n. s.) 13: 298-302, processed. Nov. 1945. 286.8 M47M

18560 LEWINSON, R. Café e divisas. Brazil. Dept. Nac. do Café. DNC 25: 455-458. Oct. 1945. 286.83 D44

18561 LLOYD, E. W. Agriculture and export trade. Field 186: 631. Dec. 15, 1945. 10 F45  
Great Britain.

18562 MILLER, F. F. Japan's export vacuum: who can now fill it? Foreign Com. Weekly 22(7): 7-12, 46-48. Feb. 16, 1946. 157.54 F763

Includes exports of agricultural products.

18563 NEW ZEALAND. MARKETING DEPT. (EXPORT DIVISION). Annual report 9, 1944/45, 48 p. Wellington, 1945. 280.39 W489

18564 PARKER, W. J. A world wheat pool proposed at C. F. A. [Canadian Federation of Agriculture] convention. Farmer's Advocate and Home Mag. 81: 76, 108. Feb. 14, 1946. 7 F22

Urges an international commodity agreement.

18565 REITZ, J. W. The U. S. Horticultural Council and future citrus exports. Citrus Indus. 27(1): 11, 14. (Concl.) Jan. 1946. 80 C49

18566 SANIN AGUIRRE, L. Anglo-Colombian trade; II - post-war possibilities. Statist 143: 30-32. Jan. 12, 1946. 286.8 St2

18567 STILLWELL, J. A. Wheat and coal for liberated areas. U. S. Dept. State B. 14: 152-154, 162. Feb. 3, 1946. 150 B87

18568 TAUNAY, A. DE R. O café e o comércio exterior do Brasil-Nação. Brazil. Dept. Nac. do Café. DNC 25: 321-328. Sept. 1945. 286.83 D44

18569 TAYLOR, W. C. Relationship of international cotton credits to the general policies of the Export-Import Bank of the U. S. Cotton Trade J. 26(4): 9-10. Jan. 26, 1946. 72.8 C8214

18570 U. S. BUREAU OF THE CENSUS. General imports of merchandise into the United States by air; part I. Commodity by country of origin, 1944, 30 p., processed. Washington, 1945. (Rpt. No. FT IM-18) 157.41 G282

18571 WISEMAN, A. M. Canada; review of commercial conditions, 1945, 48 p. London, Dept. of Overseas Trade, 1945. 253 G792

Agriculture and foreign trade included.

18575 HARRIS, P. L., and others. Survey of the blood plasma levels of vitamin A, carotene, ascorbic acid, and tocopherols of persons in an area of endemic malnutrition. Amer. J. Pub. Health 36: 155-160. Feb. 1946. Ref. 449.9 Am3J

K. C. D. Hickman, J. L. Jensen, and T. D. Spies, joint authors.

18576 FELLER, V. G. Where do we stand in nutrition? Okla. Acad. Sci. Proc. (1944) 25: 9-14. 1945. Ref. 500 Ok42

18577 HOPKINS, D. P. Nutrition and agriculture. Estate Mag. 46(1): 7-11. Jan. 1946. 10 Es8

Nutritional requirements.

18578 JANSEN, B. C. P. Nutritional research in Holland during the war. Nutr. Rev. 3: 353-356. Dec. 1945. 389.8 N953

18579 JUSTICE, C. L., MATTSON, M. L., and SCHUCK, C. Some factors influencing the food intake of pre-school children. Amer. Dietet. Assoc. J. 22: 128-133. Feb. 1946. 389.8 Am34

18580 MCKENNA, R. J. Montana hot school lunch program. Mont. Farmer 33(10): 16. Jan. 15, 1946. 6 M764

18581 MARGAT, C. Note sur l'alimentation de la population indigène dans le département de l'Ogooué-Maritime. Soc. de Path. Exot. B. 38: 163-173. May 9/June 13, 1945. 448.9 Sol3

18582 MOORE, M. C. School lunches in Louisiana. What's New in Home Econ. 10(5): 122, 128. Jan. 1946. 321.8 W55

18583 PAVCEK, P. L. Nutrition and food supply in Saar, Saarbrücken. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1262, 7 p., processed. Washington, 1945. 157.8 R29

18584 FLEWES, M. S. How can a school lunch program be evaluated? What's New in Home Econ. 10(6): 137, 144. Feb. 1946. 321.8 W55

18586 PROTEIN hydrolysates in nutritional emergencies; II. Clinical studies. Borden's Rev. Nutr. Res., v. 7, No. 1, 12 p. Jan. 1946. Ref. 389.8 B64

18588 SMITH, A. K., and BECKEL, A. C. Soybean or vegetable milk, a résumé and bibliography. Chem. and Engin. News, News Ed. 24(1): 54-56. Jan. 10, 1946. 381 J825N

18587 SMITH, J. A. Milk and school lunches. Pa. Farmer 134(1): 26-27. Jan. 12, 1946. 6 F383

18588 TAYLOR, A. E. What is known and not known about minimum dietary requirements? (Sum.) West. Farm Econ. Assoc. Proc. (1945) 18: 148-151. 280.83 W52

18589 VAN CLEFT, K. Food service in an UNRRA camp in Egypt. Amer. Dietet. Assoc. J. 22: 141-142, 144. Feb. 1946. 389.8 Am34

18590 VENANZI, F. DE. Algunas investigaciones sobre el estado de nutrición proteica durante los primeros días de la lactancia. Rev. de Sanid. y Asistencia Social 10: 251-281. Apr. 1945. Ref. 449.9 V55

## FOOD HABITS

### FOOD AND HUMAN NUTRITION

#### GENERAL

18572 BUCHANAN, A. Britain's greatest asset (good health). Milk Messenger 22: 68. Dec. 1945. 44.8 M5925

Importance of diet to health.

18573 CAMPBELL, A. Torrington, Wyoming, shares plan for school lunch kitchens. What's New in Home Econ. 10(6): 138-139, 144. Feb. 1946. 321.8 W55

18574 DU BOIS, W. L. Better meals for workers pay off at Peach Glen. Canner 102(5): 54-59. Jan. 19, 1946. 286.83 C16

Program of the Knouse Corporation, Peach Glen, Pa., for feeding its employees.

18591 DICKINS, D. Dinner foods vary, mostly home grown. Miss. Farm. Res. [Miss. Sta.] 8(12): 1, 5. Dec. 1945. 100 M69M

Food served by families in three Mississippi towns.

18592 DOVE, W. F. Developing food acceptance research. Science 103: 187-190. Feb. 15, 1946. 470 Sci2

18593 INGELS, B. D. Does instinctive appetite correct science? Food Indus. 18: 177. Feb. 1946. 389.8 F737

18594 LAMB, M. W., and CORRINGTON, M. T. A further analysis of food selections of 80 families in Lubbock, Texas. Amer. Dietet. Assoc. J. 22: 134-138. Feb. 1946. 389.8 Am34



18595 MEAD, M. E. Learning a food pattern. *Pract. Home Econ.* 24(1): 22, 58-60. Jan. 1946. 321.8 H752

# NUTRITIVE AND VITAMIN CONTENT

18596 AHMAD, B., DUTT, T. R., and NARANG, B. D. Studies on calcium and phosphorus metabolism. Part I. Calcium, phosphorus and phytin contents of the diets of Kangra Valley and their relation to nutrition. *Indian J. Med. Res.* 33: 97-104. May 1945. 448.8 In22

18597 BRICKER, G. Will vitamin-ed ice cream be "atomic bomb" to the industry? *Ice Cream Field* 47(1): 14, 46, 48, 50. Jan. 1946. 389.8 Ic23

18598 CALÓ, A. El calcio en la leche humana y en la leche de vaca, en la ciudad de Maracaibo. *Rev. de Sanid. y Asistencia Social* 10: 303-308. Apr. 1945. 449.9 V55

18599 CALÓ, A. Microdeterminación del calcio en la leche. *Rev. de Sanid. y Asistencia Social* 10: 293-301. Apr. 1945. 449.9 V55

18600 CATALINA, L. Los alimentos, las vitaminas y la longevidad. *Cult. Mod.* 28: 414-415. Nov. 1945. 15 C89

18601 CHENG, Y. Y. S. The effect of sprouting on the nutritive value of soybeans: the ascorbic acid content and the protein quality. *Cornell U. Abs. Theses* 1944: 240-242. 1945. 241.8 C81

18602 CHITRE, R. G., and PATWARDHAN, V. N. The nutritive value of milk and curds. *Cur. Sci.* 14: 320-321. Dec. 1945. 475 Sci23

18603 CO, T. Some clinical aspects of protein nutrition. *Amer. Dietet. Assoc. J.* 22: 97-109. Feb. 1946. Ref. 389.8 Am34

18604 DEUEL, H. J., JR. The butter-margarine controversy. *Science* 103: 183-187. Feb. 15, 1946. 470 Sci2

18605 DOIG, J. L. Canadian Navy adopts high protein bread. *Soybean Digest* 6(3): 16. Jan. 1946. 60.38 8o9

18606 ELMAN, R. Amino acid mixtures. *Amer. Pharm. Assoc. J.* 7(1): 13-20. Jan. 1946. 396.9 Am33Ja

New preparations capable of replacing whole protein food in nutritional therapy.

18607 ELVEHJEM, C. A. Pioneering in vitamin retention. *Refrigeration* 80(13): 1, 2. Dec. 24, 1945. 295.8 Ic23

18608 FEASTER, J. F., and others. Vitamin retention in processed meat - effect of storage. *Indus. and Engin. Chem.* 38(1): 87-90. Jan. 1946. 381 J825

J. M. Jackson, D. A. Greenwood, and H. R. Kraybill, joint authors.

18609 FENTON, C. M. Cereals that can do things. *J. Living* 11(8): 53-55. Feb. 1946. 389.8 J822

Specific effects and values of various cereal foods. 18610 FULLER, H. The ice cream nutrition program in New York State. *Milk Plant Monthly* 24(12): 28, 66. Dec. 1945. 44.8 C864

18611 GOODNIGHT, F. Appetizers against colds. *J. Living* 11(8): 45-46. Feb. 1946. 389.8 J822

Food sources of vitamins which act as preventatives against colds.

18612 GOODWIN, T. W., and MORTON, R. A. The determination of carotene and vitamin A in butter and margarine. *Analyst* 71(838): 15-20. Jan. 1946. 382 An1

18613 HART, E. B. Butterfat favors vitamin [B]-producing bacteria in digestive tract. *Certified Milk* 21(237): 5. Jan. 1946. 44.8 C33

Implications for infant feeding.

18614 HOLMES, A. D., and others. Vitamin content of field-frozen kale. *Amer. J. Dis. Children* 70: 298-300. Nov./Dec. 1945. 448.8 Am38

B. V. McKey, K. O. Esselen, L. V. Crowley, and C. P. Jones, joint authors.

18615 JOHNS, B. The ascorbic-acid content of some New Zealand products. *New Zeal. J. Sci. and Technol., Sect. A, Agr.* 27: 188-197. Aug. 1945. 514 N48A

18616 JOLLIFFE, W. The enrichment program for white flour and bread. *Bakers' Weekly* 129(6): 47-48. Feb. 11, 1946. 389.8 B172

18617 KIK, M. C. Parboiling. *Rice J.* 48(12): 6, 8. Dec. 1945. 59.8 R36

Parboiling of rice and its effect on nutritive value.

18618 KIK, M. C. Rice conversion. *Rice J.* 49(1): 4, 12-17. Jan. 1946. Ref. 59.8 R36

Vitamin content of rice. 18619 KOK, T. A. As vitaminas no leit. *Rev. Rural Bras.* 25(302): 38-39. Oct. 1945. 9.2 B733

18620 LEGG, G. Fruits for your life line. *J. Living* 11(8): 25-28. Feb. 1946. 389.8 J822

Citrus fruits as sources of vitamin C.

18621 LUND, A. A. A famous order passes: will the states carry on? *Food Mater. and Equip.* 6(1): 10. Jan. 1946. 389.8 F7393

The question of bread enrichment.

18622 MACDONALD, A. J., and BOSE, S. The growth promoting value of eggs. Part II. Supplementary value of eggs and pulses in a bengali diet. *Indian J. Res.* 33: 77-86. May 1945. 448.8 In22

18623 MCMILLAN, T. J., and TODHUNTER, E. N. Dehydroascorbic acid in cabbage. *Science* 103: 106-107. Feb. 15, 1946. Ref. 470 Sci2

18624 MARCILLA ARRAZOLA, J. Fabricación de levaduras con destino a la alimentación en la post-guerra. *Agricultura [Madrid]* 14: 560-572. Nov. 1945. 15 Ag84

18625 MEUNIER, P. Chromatographie et mésomérie. Les rapports de la couleur d'halochromie avec la constitution dans le groupe des caroténoïdes et de la vitamine D. *Paris. Acad. des Sci. Compt. Rend.* 221: 64-66. 1945. 505 P21

18626 MITRA, K., and MITTRA, H. C. Biological value of proteins from muscle meat of cow, buffalo and goat. *Indian J. Med. Res.* 33: 87-90. May 1945. 448.8 In22

18627 MITRA, K., and MITTRA, H. C. The food value of a further batch of edibles. Estimated by chemical methods. *Indian J. Res.* 33: 91-95. May 1945. 448.8 In22

18628 NESS, H. T., PRICE, E. L., and PARSONS, H. T. Thiamine depletion of human subjects on a diet rich in thiamine. *Science* 103: 108-109. Feb. 15, 1946. Ref. 470 Sci2

18629 PERRY, M. E. Filling the special diet prescription: high protein diets. *Amer. Dietet. Assoc. J.* 22: 110-113. Feb. 1946. 389.8 Am34

18630 PETERSON, W. J. Retaining nutritive value of fresh produce. *Ice and Refrig.* 110(1): 33-34. Jan. 1946. 295.8 Ic2

Use of ice for refrigeration.

18631 QUACKENBUSH, F. W. Toxicity of rancid fats. *Oil & Soap* 22: 336-337. Dec. 1945. 307.8 J82

18632 RAO, S. D. Studies of the destruction of vitamin A in shark-liver oil. Part III. Relation between vitamin A destruction and peroxide number. *Indian J. Med. Res.* 33: 63-67. May 1945. 448.8 In22

18633 RAO, S. D. Studies on the destruction of vitamin A in shark-liver oil. Part IV. Catalytic activity of metals. *Indian J. Med. Res.* 33: 69-75. May 1945. 448.8 In22

18634 REDER, R. Inhibition of oxidation of ascorbic acid by certain vegetable extracts. *Science* 103: 201-202. Feb. 15, 1946. 470 Sci2



18635 SIEMERS, G. F. 1-Ascorbic acid (vitamin C) in color and flavor retention in canned fruits, vegetables and juices. Canner 102(5): 60-62, 146. Jan. 19, 1946. 286.83 C16

18636 STREIGHTOFF, F., and others. Effect of large-scale methods of preparation on vitamin content of food: I. Potatoes. Amer. Dietet. Assoc. J. 22: 117-127. Feb. 1946. Ref. 389.8 Am34  
H. E. Munsell, B. Ben-Dor, M. L. Orr, R. Cailleau, M. H. Leonard, S. R. Ezekiel, R. Kornblum, and F. G. Koch, joint authors.

18637 SURE, B. Biological value of food yeast proteins and their role as supplements to the proteins of the cereal grains. Amer. Dietet. Assoc. J. 22: 114-116. Feb. 1946. 389.8 Am34

18638 WENDT, G. VON. C-vitamin och potatis. Lantmannen 30: 39-41. Jan. 12, 1946. 11 L234  
Vitamin C content of Swedish potatoes.

18639 WERNER, H. O., and LEVERTON, R. Amount of vitamin C in Nebraska potatoes. Nebr. State Bd. Agr. Ann. Rpt. 1945: 514-519. 2 N27R

# MISCELLANEOUS

## GENERAL

18640 ALBERTA. FEDERATION OF AGRICULTURE. Minutes of annual meeting, 1945, 57 p., processed. Edmonton, 1945. 7 AL17M

18641 ALEXANDER, A. K. S. Robbers wild and tame; rats, sparrows and farm live stock will raid the poultry, mash hoppers unless due precautions are taken. Farmer & Stock-Breeder 59: 2104. Dec. 25, 1945. 10 F228

18642 BEAUMONT, J. W. Rodent control. Roy. Sanit. Inst. J. 66: 50-55. Jan. 1946. 449.9 R812

18643 BLAKE, I. H. An ecological reconnaissance in the Medicine Bow Mountains. Ecol. Monog. 15: 207-242. July 1945. Ref. 410 Ec72

18644 BORG, R. M. Food plant fumigation. Food Mater. and Equip. 5(12): 14. Dec. 1945. 389.8 F7393

Insects, rodents, and other pests.

18645 CONSERVATION FEDERATION OF MISSOURI. WATER, SOILS AND FORESTRY COMMITTEE. Report... adopted... at... seventh annual convention held in Springfield, Missouri, October 20-21, 1945. Mo. Wildlife 8(1): 3, 7. Jan. 1946. 279.8 M692

18646 DAVIS, D. E. The annual cycle of plants, mosquitoes, birds, and mammals in two Brazilian forests. Ecol. Monog. 15: 243-295. July 1945. Ref. 410 Ec72

18647 DEAN, C. T. Maryland farm bureau holds post-war convention. Pa. Farmer 134: 58, 68. Jan. 26, 1946. 6 P383

18648 FORMAN, J. Earth & the human crop; summarizing the history and proceedings of Ohio's soil & nutrition conferences. Land 4: 371-374, 464-467. Autumn 1945. 279.8 L22

18649 GARCIA MENENDEZ, B. La Fundación Correa Veghison. Cult. Mod. 28: 407. Nov. 1945. 15 C89  
Founded in 1944 for agricultural advancement in Spain.

18650 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. The mole. Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflet 318, 4 p. London, 1945. 10 G79La

18651 HARVEY, C. Annual report of the Fiji Department of Agriculture, for the year 1944. Fiji. Dept. Agr. Agr. J. 16: 76-86. Oct. 1945. 25 F47Ag

18652 HAYWARD, C. L. Biotic communities of the southern Wasatch and Uinta Mountains, Utah. Great Basin Nat. 6: 1-124. Nov. 15, 1945. Ref., p. 104-109. 410 G79

Includes material on plants, forests, and insects.

18653 HODGE, C. H. Dominion-Provincial Agricultural Conference; prospects for 1946 farm production outlined in the light of 1945 crop yields and world food needs. Farmer's Mag. 43(1): 9, 15, 16. Jan. 1946. 7 C165

18654 HOUSE, F. Conservation education program succeeds in Grand Traverse [Michigan]. Appleblossom 18(6): 2. Jan. 10, 1946. 275.8 Ap5

18655 IOWA. DEPT. OF AGRICULTURE. DAIRY AND FOOD DIVISION. Annual report, 58th, 1944, 94 p. Des Moines, 1945? (B. No. 94-E) 2 Io9B

Partial contents: Dairy industry, by C. A. Iverson, p. 7-10; Weights and measures, by J. W. Reese, p. 19-24; Hatchery, by J. O'Connell, p. 24-25; Milk production on Iowa farms in 1944, by L. M. Carl, p. 26-29; Ice Cream, by P. Crowley, p. 29-31; Poultry year in review, by E. Mason, p. 41-45; Frozen food locker plants in Iowa, by A. Guggedahl, p. 48-50.

18656 LAGOS U., J. A. Agronomia. Rev. de Agr. [San José, 18: 19. Jan. 1946. 8 Ea1

18657 LANCOM, F. H. Wild animals and agriculture. 10. The shrews. Gt. Brit. Min. Agr. Agriculture 52: 464-467. Jan. 1946. 10 G79J

18658 WALSCH, F. W. The Food and Agriculture Organization of the United Nations en de boschbouw. Nederland. Boschbouw Tijdschr. 18: 4-10. Jan. 1946. 40.8 N28

18659 MORALES Y FRAILE, E. Los servicios del Ministerio de Agricultura, en la feria de Zaragoza. Surco [Madrid, 4(44): 20-22. Oct. 1945. 15 Su7

18660 NAU, C. A. U. S. Public Health Service standards for rodent control aid. Tex. Acad. Sci. Proc. and Trans. (1944) 28: 104-105. 1945. 500 T31

18661 PETT, L. B. The Food and Agriculture Organization of the United Nations. Canad. J. Pub. Health 37(1): 12-16. Jan. 1946. 449.8 P964

18662 PONTECORVO, G. Microbiology, biochemistry, and the genetics of micro-organisms. Nature [London, 157: 95-96. Jan. 26, 1946. 472 N21

18663 POULIN, L. P. Le bon esprit est essentiel à la réussite de l'O. V. A. Terre de Chez Nous 18 (16, 1. e. 15): 3. Jan. 16, 1946. 7 T27

Food and Agriculture Organization of the United Nations.

18664 POULIN, L. P. L'organisation des vivres et de l'agriculture. Terre de Chez Nous 18(15, 1. e. 14): 3, 7. Jan. 9, 1946. 7 T27

Food and Agriculture Organization of the United Nations.

18665 ROHLF, J. A. Goodbye, Mr. Rat. Farm J. 70(2): 28. Feb. 1946. 6 F2212

18666 SCALES, J. W. "1080" rat poison very effective but dangerous later. Miss. Farm. Res. [Miss. Sta.] 8(12): 8. Dec. 1945. 100 M69M1

18667 STEARNS, J. O. New weapon in the war on rats. Country Gent. 116(2): 53. Feb. 1946. 6 C833

18668 STRATTON, F. J. M. International scientific co-operation. Nature [London, 157: 96-98. Jan. 26, 1946. 472 N21

18669 WALLACE, H. A. Country matters. Land 4: 391-392. Autumn 1945. 279.8 L22

Importance of grasslands and forests in agriculture  
18670 WILLIS, R. E. Food and Agriculture Organization tackles farmers' worldwide problems. Hoosier Farmer 31(1): 9, 25-26. Jan. 1946. 280.82 H76

18671 WISER, R. B. Economic implications of the United Nations Conference, with particular reference to western agriculture. West. Farm Econ. Assoc. Proc. (1945) 18: 130-136. 280.83 W62

18672 WRIGHT, S. Isolation by distance under diverse systems of mating. Genetics 31: 39-59. Jan. 1946. 442.8 G28

Observations on Drosophila pseudoobscura and Linanthus parryi.



## HISTORY AND BIOGRAPHY

- 18673 A., J. America's first experimental farmer. Rural New Yorker 105: 148. Feb. 16, 1946. 6 R88  
George Washington.
- 18674 BOOTH, E. Pioneer farming in old Quebec. Rural New-Yorker 105: 42, 58. Jan. 19, 1946. 6 R88
- 18675 BUCHMANN, N. F. Professor, Dr. phil. C. Ferdinandsen, 18. Februar 1879--28. Marts 1944. Friesia 3: 83-93. 1945. 450 F91
- 18676 CROSSER, J. Animal husbandmen make great deans. Breeder's Gaz. 111(2): 32. Feb. 1946. 49 B74  
E. A. Trowbridge leads College of Agriculture, University of Missouri.
- 18677 DITTMORE, P. L. Food is his work and hobby. Northwest. Miller (Milling Prod. Sect.) 225 (7): 1a, 6a-8a. Feb. 12, 1946. 298.8 N81  
C. H. Bailey.
- 18678 EARL, C. Romney Marsh " - and the liberties thereof." Farmers Weekly [London], 23(25): 25-26. Dec. 21, 1945. 10 F2226  
History of the Romney Marsh drainage administration
- 18679 GRAHN, B. En belönad forskargärning. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 15(47): 3. Nov. 24, 1945. 11 J762  
A short biography of A. I. Virtanen.
- 18680 H., J. W. William Curtis, 1746-1799. Gard. Chron. 114: 19. Jan. 12, 1946. 80 G162
- 18681 HOWARTH, F. The Biology Department of the Royal College of Science through a hundred years. Roy. Col. Sci., London. Sci. J. 15: 81-91. 1945. 501 L8484
- 18682 HUNKIN, J. W. The bi-centenary of William Curtis. Roy. Hort. Soc. J. 70: 353-354. Dec. 1945. 84 L84J
- 18683 IN MEMORIAM Rodney Beecher Harvey, May 26, 1890-Nov. 4, 1945. Plant Physiol. 21: vii-x. Jan. 1946. 450 P692
- 18684 JIMENEZ, J. A. Un costarricense ilustre [Alberto M. Brenes]. Inst. de Defensa del Café de Costa Rica. Rev. 15: 523-525. Oct. 1945. 68.28 C82
- 18685 KEITT, G. W., and RAND, F. V. Lewis Ralph Jones, 1864-1945. Phytopathology 36: 1-17. Jan. 1946. 464.8 P56  
Published writings, p. 11-17.
- 18686 KLUOH, R. E. D. Gabriel Facheco, sobre-saliente conservacionista de suelos. Agr. Venezol. 10(111): 14-15. July/Nov. 1945. 9.95 Ag8
- 18687 LAPAGE, G. Dr. R. E. Durham, 1866-1945. Nature [London], 156: 742. Dec. 22, 1945. 472 N21
- 18688 MARVIN, K. R. Agriculture's triple-threat man. Farm Credit Admin. Omaha. Farm Credit Leader 3(1): 9. Jan. 1946. 284.28 F229  
Dean Herbert H. Kildes of Iowa State College.
- 18689 MAXIMOV, N. A. Prof. B. A. Keller, 1874-1945. Nature [London], 157: 69-70. Jan. 19, 1946. 472 N21  
Followed by note by the translator, E. Ashby.
- 18690 MITCHENER, A. V. Manitoba apiarist retires. Amer. Bee J. 86(1): 13. Jan. 1946. 424.8 Am3  
L. T. Floyd.
- 18691 MÖLLER, F. H. Julius Schäffer in memoriam, 3. Juni 1882--21. Oktober 1944. Friesia 3: 143-146. 1945. 450 P91
- 18692 PEATTIE, D. C. First farmer of the land. Country Gent. 116(2): 18, 56-58. Feb. 1946. 6 C833  
George Washington as a farmer.
- 18693 PELLET, K. Dr. C. C. Miller, 1831-1920. Amer. Bee J. 86: 59-60. Feb. 1946. 424.8 Am3
- 18694 PELLET, K. Moses Quinby--1810-1875. Amer. Bee J. 86(1): 19. Jan. 1946. 424.8 Am3
- 18695 SNYDER, L. E. Charles Benedict Davenport 1866-1944. Genetics 31: i-ii. Jan. 1946. 442.8 G28
- 18696 STURKEY, B. The doctor-miller of Wrens, Georgia. Northwest. Miller (Milling Prod. Sect.) 225(7): 3a, 21a-22a. Feb. 12, 1946. 298.8 N81  
Judson Pilcher.

- 18697 SWAN, A. W. A scientist of earth; George Simon Wehrwein, 1883-1945. Land 4: 395-396. Autumn 1945. 279.8 L22
- 18698 UVAROV, B. P. Andrei Petrovich Semenov-Tian-Shanski, 1866-1942. Nature [London], 157: 98. Jan. 26, 1946. 472 N21

## METEOROLOGY

- 18699 LAGOS, J. A. Agronomia; la variación del clima en los trópicos y su influencia en la agricultura. Agr. Costarricense 3: 454-455. Nov./Dec. 1945. 8 Ag895
- 18700 TALBOT, S. Great advances in weather forecasting should be applied to South African agriculture. Farmer [Pietermaritzburg], 34(47): 8. Nov. 23, 1945. 24 F227

## RESEARCH

- 18701 HAGERMAN, J. Canada's new experimental farm deep in northern wilderness. Canad. Grain J. 1(3): 5. Oct. 1945. 59.8 C16
- 18702 MORELLI, A. I problemi dell'organizzazione della ricerca scientifica. Ricerca Sci. e Ricostr. 15: 97-115. Aug. 1945. 475 I11
- 18703 PINTO, E. DE S. L. Estágio nos E. U. da América do Norte. Pernambuco. Sec. de Agr., Indús. e Com. B. 12: 247-270. July/Sept. 1945. 9.2 P423  
Chiefly on work at the Beltsville Research Center.
- 18704 SCARSETH, G. D. The farmer and research. Hoosier Farmer 31(2): 6, 29, 31. Feb. 1946. 280.82 H76
- 18705 VERDOORN, F., and VERDOORN, J. G., comp. Scientific institutions, societies and research workers in the Netherlands Indies. In Honig, P., and Verdoorn, F., eds., Science and scientists in the Netherlands Indies, p. 425-460. N. Y., Bd. for the Netherlands Indies, Surinam and Curaçao, 1945. 330 H75

## STATISTICS

- 18706 INDIAN STATISTICAL INSTITUTE. Thirteenth annual report: 1944-45. Sankhyā 7: 217-236. Nov. 1945. 251.8 In2  
Includes crop survey work.
- 18707 ROCHA, M. V. DA. A previsão das safras agrícolas. Brazil. Dept. Nac. do Café. DNC 25: 349-354. (Concl.) Sept. 1945. 286.83 D44  
Statistical method.
- 18708 ROMERO MONTERO, E. Los métodos estadísticos al alcance del campesino; por qué no declaras, labrador?... Tú puedes y debes hacer estadísticas. Spain. Min. de Agr. Secc. de Pub., Prensa y Propag. Hojas Divulgadoras, v. 37, No. 24, 12 p. Madrid, 1945. 15 H68
- 18709 YULE, G. U. On a method of studying time-series based on their internal correlations. Roy. Statis. Soc. J. (n. s.) 108(1/2): 208-225. 1945. 251 R81J  
Application to agricultural statistics.  
Note on this paper, by M. G. Kendall, p. 226-230.

## NEW PERIODICALS AND SERIALS

- 18710 AMERICAN INSTITUTE OF CHEMICAL ENGINEERS. A. I. Ch. E. Bulletin. Bimonthly. No. 2, Sept. 1945. 12 p. Philadelphia 6, Pa., 15 N. 7th St. 381 Am37B
- 18711 INSTITUTO DE CACAU DA BAHIA. Boletim de Divulgação. Irregular. No. 1, 1945. 21 p. Bahia. 68.39 In7
- 18712 PEST CONTROL AND SANITATION, HOME AND GARDEN. Monthly. Vol. 1, No. 1, Jan. 1946. 32 p. Hollywood 28, Calif., Hogan-Miller Pub. Co., 1633 N. La Brea Ave. 421 F432





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Agricultural Information Series

- 18713 BETTER farming and better living; the first step in the rehabilitation process. U. S. D. A. AIS-40, 8 p. 1945. 1 Ag84A1  
 18714 FOOD crops need - phosphate. U. S. D. A. AIS-46. Folder. 1946. 1 Ag84A1  
 18715 SOCIAL security for farm people. U. S. D. A. AIS-45, 14 p. 1946. 1 Ag84A1  
 Social Security Board, Federal Security Agency co-operating.

Agricultural War Information

- 18716 EGG DISHES for any meat. U. S. D. A. AWI-89, slightly rev., 16 p. 1946. 1 Ag84Aw

Circulars

- 18717 WALTER, J. M. Canker stain of planetrees [Platanus acerifolia]. U. S. D. A. C. 742, 12 p. 1946. 1 Ag84C

Farmers' Bulletins

- 18718 COOPER, M. R. Getting started in farming. U. S. D. A. Farmers' B. 1961, slightly rev., 33 p. 1946. 1 Ag84F  
 18719 BRINDLEY, T. A., and others. The pea weevil [Bruchus pisorum], and methods for its control. U. S. D. A. Farmers' B. 1971, 24 p. 1946. 1 Ag84F  
 J. C. Chamberlin, F. G. Hinman, and K. W. Gray, joint authors.

Leaflets

- 18720 BEATTIE, J. H. Sash greenhouses. U. S. D. A. Leaflet 124, slightly rev., 8 p. 1946. 1 Ag84L  
 18721 BEATTIE, W. R. Production and preparation of horseradish. U. S. D. A. Leaflet 129, slightly rev., 6 p. 1946. 1 Ag84L

Miscellaneous Publications

- 18722 AIR TRANSPORT of agricultural perishables. U. S. D. A. Misc. P. 585, 44 p. 1946. 1 Ag84M

- 18723 BOND, C. A., and ZIPF, W. H. Radio handbook for extension workers. U. S. D. A. Misc. P. 592, 21 p. 1946. 1 Ag84M

- 18724 DIRECTORY of U. S. Register of Merit sires and dams qualifying under the National Poultry Improvement Plan, 1943-1944. U. S. D. A. Misc. P. 587, 62 p. 1945. 1 Ag84M

- 18725 FACTS about cotton and southern farming; background information for farm leaders. U. S. D. A. Misc. P. 594, 64 p. 1946. 1 Ag84M

- 18726 NICKERSON, D. Color measurement and its application to the grading of agricultural products; a handbook on the method of disk colorimetry. U. S. D. A. Misc. P. 580, 62 p. 1946. Ref. 1 Ag84M

- 18727 SMITH, M. How to tailor a woman's suit. U. S. D. A. Misc. P. 591, 24 p. 1946. 1 Ag84M

Program Aid

- 18728 BUILDING Connecticut soil; the AAA program helps put a firm pasture-hay foundation under Connecticut's dairy farming. U. S. D. A. Program Aid, 1, 8 p. 1946. 1 Ag84Pro

Radio Broadcasts (Processed)

- 18729 BAKER, J. Folks - meet Smokey bear. 4 p. Recorded Mar. 7, 1946. (Timely Farm Topics No. 56A) 1.914 R2T48  
 Forest fire prevention.  
 18730 BAKER, J. Home gardens needed again. 2 p. Recorded Mar. 7, 1946. (Timely Farm Topics No. 56b) 1.914 R2T48  
 18731 BAKER, J. Treat seed grain this year. 2 p. Recorded Feb. 28, 1946. (Timely Farm Topics No. 55b) 1.914 R2T48  
 18732 BRANNAN, C. F. National 4-H Achievement Week. 2 p. Nov. 3, 1945. (Natl. Farm and Home Hour) 1.91 A2B73  
 18733 MCKNIGHT, D., and BAKER, J. C. National 4-H Club Week. 3 p. (Natl. Farm and Home Hour) 1.914 R2R11  
 18734 PITT, B., and BAKER, J. Milk and chicken. 3 p. Nov. 17, 1945. (Your Home and Garden Program) 1.914 R2R11  
 18735 PITT, B., and BAKER, J. Reconvert men's suits. 4 p. Nov. 24, 1945. (Your Home and Garden Program) 1.914 R2R11  
 18736 PITT, B., and BAKER, J. Sugar short cuts. 3 p. Dec. 1, 1945. (Your Home and Garden Program) 1.914 R2R11  
 18737 RAPER, A. F., and BAKER, J. What farm families do with more money. 4 p. Recorded Mar. 28, 1946. (Timely Farm Topics No. 57a) 1.914 R2T48  
 18738 SHAW, B. T., and BAKER, J. A tall story about corn. 4 p. Recorded Feb. 20, 1946. (Timely Farm Topics No. 54a) 1.914 R2T48  
 18739 TONKIN, J. Hybrid alfalfa. 2 p. Nov. 24, 1945. (Natl. Farm and Home Hour) 1.914 R2T61  
 18740 TONKIN, J., and others. National 4-H Club Week. 12 p. Mar. 9, 1946. (Amer. Farmer) 1.914 R2R11  
 J. Warfield, C. Sperow, P. Alampi, G. Ruwet, K. Gapen, D. Emig, D. Elliott, and B. J. Reynolds participating.

Technical Bulletins

- 18741 HARVEY, E. M. Changes in lemons during storage as affected by air circulation and ventilation. U. S. D. A. Tech. B. 908, 32 p. 1946. 1 Ag84Te  
 18742 HOWELL, L. D., and YOUNG, W. P. Marketing and manufacturing margins for tobacco. U. S. D. A. Tech. B. 913, 56 p. 1946. 1 Ag84Te

Unnumbered Publications

- 18743 FACTS about the world food crisis. 4 p., processed. 1946. 1.90 A2F114

- 18744 1946 spring clean-up week; help prevent disease, fire, and accidents. 2 p., processed. n. d. 1.90 C3Sa1

#### AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

- 18745 GASTROCK, E. A. The Southern Regional Research Laboratory through the war and now. U. S. Bur. Agr. and Indus. Chem. AIC-108, 7 p., processed. New Orleans, South. Region. Res. Lab., 1946. 1.932 A2Ag82
- 18746 REFERENCES on candy making and sources of equipment and materials. U. S. Bur. Agr. and Indus. Chem. AIC-112, 5 p., processed. 1945. 1.932 A2Ag82
- 18747 REPORT of the chief of the Bureau of Agricultural and Industrial Chemistry, Agricultural Research Administration, 1945. 39 p. 1946. 1 Ag84; also 1 C42
- 18748 REPORT on research activity of the regional research laboratories in connection with the seventh annual meetings of the Agricultural Experiment Stations Relations Committees. 84 p., processed. 1946. 1.932 A2R29

#### AGRICULTURAL ECONOMICS, BUREAU OF

- 18749 ALLIN, B. W. Problems facing farmers and the Farmers Union. 7 p., processed. 1946. 1.94 A4472
- Address before the National Farmers Union, Topeka, Mar. 1, 1946.
- 18750 ANDERSON, A. B. Hamilton County, Nebraska, Medical Aid Association, 39 p., processed. Lincoln, 1945. 1.941 R7H182
- 18751 ATTITUDES of rural people toward radio service; a Nation-wide survey of farm and small-town people. 133 p., processed. 1946. 1.941 R6At82
- 18752 BARTON, G. T., and COOPER, M. R. Farm production in war and peace. 85 p., processed. 1945. (F. M. 53) 1.941 L6F22
- Farm production and production per worker measured and analyzed through the use of two newly developed indexes.
- 18753 DAHLKE, H. O. A rural community in time of war, Shelley, Idaho. 35 p., processed. Berkeley, 1945. 1.941 R7R884
- 18754 FARM production, disposition, and income, chickens and eggs, 1944-1945. 15 p., processed. 1946. 1.9 Ec71Fpc
- 18755 FARM production, disposition and income of turkeys, 1944-1945; turkeys on farms January 1, by States. 8 p., processed. 1946. 1.942 D22T84
- 18756 FORD, E. C. Wartime land market activity, the South Central Region, 1941-44. 30 p., processed. Little Rock, 1945. 1.941 F3W26
- 18757 FRENCH, D. R. Postwar packages and containers for marketing foods. 64 p., processed. 1945. 1.941 A2P844
- 18758 HAGOOD, M. J. Farm population adjustments following the end of the war. 6 p., processed. 1946. 1.941 R4F222
- 18759 MARCH 1 merchantable potato stocks with comparisons. 2 p., processed. 1946. 1.941 S8P85
- 18760 METZLER, W. H. Wages and wage rates of seasonal farm workers in USDA labor supply centers at Arvin, Linnell, and Shafter, California, June 1945. 19 p., processed. 1945. (Surveys of Wages and Wage Rates in Agr., Rpt. No. 6) 1.941 R3Su7
- 18761 NIEDERFRANK, E. J. Some postwar social trends in the rural Northeast. 14 p., processed. Upper Darby, Pa., 1946. 1.941 P3So5
- 18762 1945 popcorn production a record. 2 p., processed. 1945. 1.941 S2P812
- 18763 POLICY issues faced by the South in cotton, diversification, and industrialization. 12 p., processed. 1945. 1.941 P3P75
- Based on talk by M. Ezekiel before Conference of Southern Directors of Extension, Atlanta, Oct. 1, 1945.

- 18764 RAPER, A. Uses being made by rural families of increased wartime incomes. 7 p., processed. 1946. 1.941 F2U822
- 18765 RASOR, H. L., and MINOR, E. S. Farm production, farm disposition, and value of cotton and cottonseed, and related data, 1928-44, by States. 41 p., processed. 1945. 1.941 H8C822
- 18766 RICHTER, J. H. Europe and United States agriculture. 4 p., processed. 1945. 1.941 A2Eu7
- Discussion at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 3, 1945.
- 18767 SMALLER turkey crop expected this year. 4 p., processed. 1946. 1.941 S2T8433
- 18768 SPECIAL report of wind damage to California citrus. 1 p., processed. 1946. 1.941 S2C49
- 18769 STONECIPHER, H. V., and DUNN, D. Farm real estate market activity, fourth quarter 1945, seven western States. 17 p., processed. Berkeley, 1946. 1.941 L8F222
- 18770 STONECIPHER, H. V., and DUNN, D. Farm real estate market activity, seven western States, 1945. 15 p., processed. Berkeley, 1946. 1.941 L8F22
- 18771 STONECIPHER, H. V., and DAHLKE, O. H. Rural settlement in the foothill areas of Butte County, California. 5 p., processed. Berkeley, 1946. 1.941 L4R882
- 18772 ULREY, O. The churches and agriculture. 8 p., processed. 1946. 1.941 A2UL7
- Address at annual meeting of Home Mission Council of North America, Buck Hill Falls, Pa., Jan. 9, 1946.
- 18773 WILSON, E. E., and CLAWSON, M. Agricultural land ownership and operation in the southern San Joaquin Valley. 100 p., processed. Berkeley, 1945. 1.941 L2Ag82

#### AGRICULTURAL RESEARCH ADMINISTRATION

- 18774 KRANTZ, E. B., and BURCH, D. S. Morgan horse perpetuated and developed. 2 p., processed. 1946. (R. A. S. 53 (A)) 1.98 R31
- 18775 THE PLANT, Soil and Nutrition Laboratory... a summary of five years of activity, as presented to the 1945 collaborators' meeting. 13 p., processed. Ithaca, 1945. 1.98 Su6
- 18776 REPORT of the administrator of Agricultural Research, 1945. 238 p. 1946. 1 Ag84; also 1.98 R29
- ✓ 18777 SOURCES of information in the Agricultural Research Administration. 17 p., processed. 1946. 1.98 So8

#### ANIMAL INDUSTRY, BUREAU OF

- 18778 ELLIS, N. R., DAVIS, R. E., and LINDAHL, I. The keeping qualities of concentrated distillers' solubles when used as a replacement or extender for molasses in mixed feeds. U. S. Bur. Anim. Indus. A. H. D. 78, 13 p., processed. 1946. 1.9 An52Ah
- 18779 HATCHERIES and dealers participating in the National Poultry Improvement Plan (January 1, 1946). U. S. Bur. Anim. Indus. A. H. D. 36, rev., 90 p., processed. 1946. 1.9 An52Ah
- 18780 NAMES of counties declared to be modified accredited bovine brucellosis-free areas. 2 p., processed. 1946. 1.972 A2N15
- Supplement 15 to Declaration of Feb. 1, 1940.
- 18781 SODIUM fluoride for removing large roundworms from swine. 3 p., processed. 1946. 1.972 Z2Sol
- 18782 TRADE-MARKS identifying quality chicks, breeding stock and hatching eggs. 1 p., processed. n. d. 1.972 A3T67
- Authorized for use by participants in the National Poultry Improvement Plan.
- 18783 U. S. RECORD of performance breeders participating in the National Poultry Improvement Plan. U. S. Bur. Anim. Indus. A. H. D. 35, rev., 13 p., processed. 1946. 1.9 An52Ah



## ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

18784 BISHOPP, F. C., SMITH, C. N., and GOUCK, H. K. Combating the American dog tick (*Dermacentor variabilis*), carrier of Rocky Mountain spotted fever in the central and eastern States. U. S. Bur. Ent. and Plant Quar. E-454, rev., 6 p., processed. 1946. 1.9 En83

18785 CAMPBELL, R. E. Cabbage aphid (*Brevicoryne brassicae*), control in California. 3 p., processed. 1945. 1.967 T2C11

18786 CLARK, C. A., and JONES, D. W. The colonization of parasites of the European corn borer (*Pyrausta nubilalis*) in the United States in 1945. U. S. Bur. Ent. and Plant Quar. Insect Pest Survey, Spec. Sup. 3, 4 p., processed. 1946. 1.9 En831B

18787 GYPSY moth (*Porthetria dispar*) and brown-tail moth (*Nygmæa phaeorrhoea*); quarantine regulations modified. U. S. Bur. Ent. and Plant Quar. B. E. P. Q. 386, rev., 2 p., processed. 1946. 1.9 F73

8th revision, effective Mar. 18, 1946.

18788 HENDERSON, L. S. The use of DDT for bed-bug (*Cimex lectularius*); control. U. S. Bur. Ent. and Plant Quar. E-681, 4 p., processed. 1946. 1.9 En83

18789 MODIFICATION of Japanese beetle (*Popillia japonica*); quarantine regulations. U. S. Bur. Ent. and Plant Quar. B. E. P. Q.--Q.48, amend. 1, 5 p., processed. 1946. 1 F31

18790 OSBURN, M. R., and STAHLER, N. Use of DDT to control the little fire ant (*Wasmannia auropunctata*). U. S. Bur. Ent. and Plant Quar. E-683, 3 p., processed. 1946. 1.9 En83

18791 PLANT-QUARANTINE import restrictions of the Republic of Bolivia. U. S. Bur. Ent. and Plant Quar. B. E. P. Q. 484, rev., 7 p., processed. 1946. 1.9 F73

18792 PLANT-QUARANTINE import restrictions of the Republic of Cuba. U. S. Bur. Ent. and Plant Quar. B. E. P. Q. 519, sup. 2, 2 p., processed. 1946. 1.9 F73

Restrictions governing the importation of seed potatoes.

✓ 18793 RECOMMENDATIONS or suggestions on the use of DDT for apple spraying in 1946. 24 p., processed. 1.967 A2R24

18794 REPORT of the chief of the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, 1945. 63 p. 1946. 1 Ag84; also 1 En86

18795 VANCE, A. M., and PAINTER, H. R. An improved oviposition cage for moths of the European corn borer (*Pyrausta nubilalis*). U. S. Bur. Ent. and Plant Quar. ET-227, 3 p., processed. 1946. 1.9 En83Et

## EXPERIMENT STATION, OFFICE OF

18796 REPORT of the chief of the Office of Experiment Stations, Agricultural Research Administration, 1945. 10 p. 1945. 1 Ag84; also 1 Ex6A

✓ 18797 REPORT on the agricultural experiment stations, 1945. 172 p. 1946. 1 Ex6

## EXTENSION SERVICE

18798 ADAMS, R. Method demonstration analysis for a home industries project. 3 p., processed. 1945. 1.913 H2M56

18799 ALLEE, R. H. Report on agricultural extension work in other American Republics. 3 p., processed. 1946. 1.943 AL5

Summary of statement made at the Annual Winter Extension Institute, U. S. D. A., Jan. 7, 1946.

18800 BEVIS, H. L. Recommendations of land-grant colleges and universities. 3 p., processed. 1946. 1.913 A2R243

Testimony at Clear-Channel Hearing, Federal Communications Commission, Washington, D. C.

18801 BRIEF reports, Older 4-H - Young Adult Conference, western States...Nov. 12 to 14, 1945. 18 p., processed. 1945. 1.913 C3W521B

18802 BUCK, J. L. Report on agricultural extension work in Asia. 2 p., processed. 1946. 1.943 B85

Summary of statement made at the Annual Winter Extension Institute, U. S. D. A., Jan. 7, 1946.

18803 COLLINGS, M. L. How the home demonstration agent spends her time. 8 p., processed. 1945. 1.913 S2H83

Prepared for the North Carolina and Kansas State Extension Conferences, Oct. 1945.

18804 DEMONSTRATIONS; a teaching tool. 7 p., processed. 1946. 1.913 V2D39

18805 DISPOSAL of surplus military visual equipment. 4 p., processed. 1946. 1.913 A2D63

Regional agencies.

18806 EVALUATION of extension work. 2 p., processed. 1946. 1.913 A2Evl

18807 EXCERPTS from letters to Director Wilson from organization leaders regarding cooperation in the intensified, coordinated cotton educational program. 2 p., processed. 1946. 1.913 A2Ex2

18808 FACT sheet on 4-H Club work for National 4-H Club Week. 3 p., processed. 1946. 1.913 F3F113

18809 FATHER-SON agreements. 4 p., processed. 1946. 1.913 A2F26

18810 FOURTEEN basic features of cooperative extension work. 2 p., processed. 1945. 1.913 I2F82

18811 HAMBIDGE, G. FAO and world agriculture. 2 p., processed. 1946. 1.913 A2F11

Summary of talk by Sir J. B. Orr at the Annual Extension Conference and Institute, Washington, D. C., Jan. 7, 1946.

18812 HASKELL, R. J. Extension demonstrations with Logan beans in 1944 and 1945. 8 p., processed. 1946. 1.913 A2Ex89

Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

18813 HEPLER, J. V. Farm labor program for wheat and small grain harvest in Great Plains States with special reference to utilization of migratory workers in 1945. 19 p., processed. 1946. 1.913 E2F2224

18814 INGWALSON, K. W. Summary of reports, Older 4-H - Young Adult Conference, Salt Lake City, Utah, Nov. 12 to 14, 1945. 6 p., processed. 1946. 1.913 C3W521

18815 KNAUS, K. The part of the supervisor in an extension marketing program. 2 p., processed. 1946. 1.913 F5K72

18816 LIST of State extension directors. 2 p., processed. 1946. 1.9 Ex892Ls

18817 LOCAL leadership. 2 p., processed. 1946. 1.913 A2L78

Summary of points brought out by classes in extension methods.

18818 LOUGHEAD, M. E. Selected list of farm and home freezers. 4 p., processed. 1945. 1.913 A2Se42

18819 MAKING a cord belt. 2 p., processed. 1945. 1.913 A2M282

18820 MALCOLM, O. P. Home occupation during recuperation in developing home and community resources. 8 p., processed. 1946. 1.913 H4M29

With particular reference to returning servicemen.

18821 METHOD demonstration. 1 p., processed. 1945. 1.913 S2M56

18822 MILLER, P. E. Extending economic information to farm people. 4 p., processed. 1945. 1.913 E2Ex84

Responsibility of Extension Service.

- 18823 NATIONAL 4-H Club Week; suggestions for county extension agents, volunteer club leaders. 16 p., processed. 1946. 1.913 F3N2142
- 18824 THE NEWS story; analysis of the essential elements involved in its use as a means of extension teaching. 2 p., processed. 1945. 1.913 A2M47
- 18825 OUTLINE of plan to assist the movement of Atlantic Coast migratory farm workers. U. S. Ext. Serv. Farm Labor C. 32, 3 p., processed. 1946. 1.913 E2Ex84
- 18826 RANDALL, C. C. Latin-American migratory labor and its contribution to the development and maintenance of the sugar beet industry in the United States with particular reference to 1945. 12 p., processed. 1946. 1.913 E2L34
- 18827 REPORT of Committee on the Scope of Extension's Educational Responsibility. 13 p., processed. 1946. 1.913 A2R2933
- 18828 REPORT on radio activities at the 24th National 4-H Club Congress, Chicago, December 2-6, 1945. 3 p., processed. 1945. 1.913 F3R294
- 18829 RURAL housing [illustrations]. 3 p., processed. 1946. 1.913 I2R88

- 18830 7 steps to help you face the future with cotton. Folder. Processed. 1946? 1.913 A2Su38
- 18831 SHINN, E. H. 4-H Club work in the 13 southern States and Puerto Rico. U. S. Ext. Serv. Ext. Serv. C. 436, 11 p., processed. 1946. 1.9 Ex892Esc
- 18832 SOME facts about the poultry industry in the 13 southern States. 21 p., processed. 1946. 1.913 P4So5
- 18833 SUGGESTED list of speakers on farm housing improvement for farm and home week programs or extension conferences. 3 p., processed. 1946. 1.913 A2Su322
- 18834 10,000,000 youth; let's help them plan their future. A report of the activities of the National Advisory Group on 4-H Postwar Programs. 55 p., processed. 1946. 1.913 F3T25
- 18835 VON DORSTER, N. Are you writing for your reader? 3 p., processed. 1946. 1.913 S2V89
- 18836 WILSON, M. C. The domestic farm labor program in 1946. 5 p., processed. 1946. 1.913 A2W692

Presented at the Regional Farm Labor Conferences in Salt Lake City, St. Louis, and Baltimore.

- 18837 WILSON, M. L. The 4-H charter for tomorrow. 5 p., processed. 1945. 1.913 A2W69
- Address at the 24th Annual 4-H Club Congress, Chicago, Dec. 2, 1945.

#### FARM CREDIT ADMINISTRATION

- 18838 ABRAHAMSEN, M. A. Research practices and problems of farmers' regional associations. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 96, 73 p., processed. 1946. 166.3 M68
- 18839 DRUBAKER, D. D. Floor plans for small cooperative dairy plants. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Misc. Rpt. 93, 36 p., processed. 1945. 166.3 M68
- 18840 HULBERT, L. S. Summary of cases relating to farmers' cooperative associations. U. S. Farm Credit Admin. Coop. Res. and Serv. Div. Sum. 29, 25 p., processed. 1946. 1.955 C2Su7
- 18841 SEMIANNUAL report on loans and discounts. 10 p., processed. Kansas City, Mo., 1946? 166.2 M76
- 18842 SO YOU want to farm? U. S. Farm Credit Admin. C. 31, 8 p. 1946. 166.2 C49
- Credit available to servicemen.
- 18843 TWELFTH annual report of the Farm Credit Administration, 1944-45. 123 p. 1946. 166.2 An7
- 18844 VAN HORN, J. L. How much did your wool bring? 11 p., processed. 1946. 1.955 C2H83
- Presented before the Cooperative Wool Growers of South Dakota, Feb. 23, 1946.

#### FEDERAL CROP INSURANCE CORPORATION

- 18845 REPORT of the manager of the Federal Crop Insurance Corporation, 1945. 25 p. 1946. 1 Ag84

#### FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

- 18846 BURMEISTER, G. Foreign fruits and vegetables supply situation. 11 p., processed. 1946. 1.943 B921
- Address at Washington, D. C., Jan. 28, 1946.
- 18847 HAINSWORTH, R. G., and MOYER, R. T. Agricultural geography of the Philippine Islands: a graphic summary. 72 p., processed. 1945. 1.943 Ag83
- 18848 NUTTONSON, M. Y. The agricultural climatology, vegetative cover, and crop ecology of the Ukraine and the Ukrainian climatic analogues in North America. 23 p., processed. 1946. 1.943 Ag84
- 18849 SCHREIBER, W. R. Mediterranean Basin's filbert production smallest in 15 years. 5 p., processed. 1946. 1.943 M46
- 18850 SCHREIBER, W. R. World shelled-almond output largest since 1938. 9 p., processed. 1946. 1.943 W898
- 18851 SMITH, T. L., DIAZ RODRIGUEZ, J., and GARCIA, L. R. Tabio; a study in rural social organization. 71 p., processed. 1945. 1.943 T11
- Municipio (county) of Tabio, Department of Cundinamarca, Colombia.
- 18852 TAYLOR, F. Prospective consumption of cotton in France. 16 p., processed. 1945. 1.943 P9422
- 18853 WORLD food situation 1946. 179 p., processed. 1946. 1.943 W893

#### FOREST SERVICE

- 18854 BRIEGLEB, P. A. Calculating the growth of ponderosa pine forests. 60 p., processed. Portland, Oreg., 1945. Ref. 1.9622 P2C12
- 18855 BROWNE, F. L., and DOWNS, L. E. A survey of the properties of commercial water repellents and related products. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R1495, 26 p. Madison, 1945. 1.9 F761R
- U. S. War Production Board, Office of Production Research and Development and Wisconsin University cooperating.
- Wood preservatives.
- 18856 CARTER, R. M. How to pile turning squares for rapid air seasoning. U. S. Forest Serv. Northeast. Forest Exot. Sta. Forest Prod. Paper 1, 8 p., processed. Philadelphia, 1946. 1.9622 N2F762
- 18857 FOREST Service summer home policy. 2 p., processed. 1946. 1.962 A2F764
- 18858 FRANK, B., and BETTS, C. A. Water and our forests. 14 p., processed. 1946. 1.962 A2W29
- 18859 GUAYULE; a survey of possible production areas in the United States--Arizona and New Mexico. 167 p., processed. 1945. 1.962 A2G9313
- 18860 GUAYULE; a survey of possible production areas in the United States--California. 259 p., processed. 1945. 1.962 A2G9312
- 18861 GUAYULE; a survey of possible production areas in the United States--Texas. 221 p., processed. 1945. 1.962 A2G9314
- 18862 HOW A tree grows. Poster. 1945. 1.962 A2H833
- 18863 HOW TO care for elk meat from the kill to the kitchen. 3 p., processed. Ogden, Utah, 1945. 1.9621 R4H83
- 18864 JUNGSMANN, E. C. Development of a counter-part vertical fin of papreg for the AT-6 airplane. U. S. Forest Serv. Forest Prod. Lab. Mimeog. 1594, 28 p. Madison, 1945. 1.9 F761R
- Wisconsin University and the U. S. Army-Navy-Civil Committee on Aircraft Design Criteria cooperating.



18865 KELLER, E. L., and MCGOVERN, J. N. Sul-fite pulping of western redcedar. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R1494, 11 p. Madison, 1945. 1.9 F761R

Wisconsin University cooperating.

18866 LIST of publications on chemistry of wood and derived products. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R238, 41 p. Madison, 1945. 1.9 F761R

Wisconsin University cooperating.

18867 LIST of publications on glue and plywood. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R513, 13 p. Madison, 1945. 1.9 F761R

Wisconsin University cooperating.

18868 LIST of publications on mechanical properties and structural uses of wood and wood products. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R200, 38 p. Madison, 1945. 1.9 F761R

Wisconsin University cooperating.

18869 PRESERVATION of timber by the steeping process. U. S. Forest Serv. Forest Prod. Lab. Mimeog. R621, rev., 10 p. Madison, 1945. 1.9 F761R

Wisconsin University cooperating.

18870 ROTHERY, J. E. Some aspects in the reappraisal of national forest stumpage. 11 p., processed. 1946. 1.962 A2S05

18871 SUSTAINED-YIELD capacity of American forests in relation to post-war requirements for lumber. 9 p., processed. 1945. 1.962 F4Su8

18872 TIMBER stand improvement handbook: policies and guides governing Knutson-Vandenberg timber stand improvement work. 19 p., processed. San Francisco, 1945. 1.9621 R5T48

18873 TIMBER uses. 80 p., processed. 1945. 1.962 A2T483

Regulations regarding the use of timber resources of the national forests.

18874 TIMM, J. L. Conversion of standard pole classes to tree diameters in lodgepole pine. U. S. Forest Serv. North. Rocky Mountain Forest and Range Expt. Sta. Res. Note 39, 2 p., processed. Missoula, Mont., 1946. 1.9622 N3R31

18875 WATER-RESISTANT glues. U. S. Forest Serv. Forest Prod. Lab. Tech. Note F-4, rev., 3 p., processed. Madison, 1945. 1.91 F761

18876 WATTS, L. F. Forests and forest wildlife in the postwar era. 5 p., processed. 1946. 1.962 A2W34

Address at the 11th North American Wildlife Conference, N. Y., Mar. 11, 1946.

#### GRADUATE SCHOOL

18877 FETROW, W. W. Suggested readings and other source material for course in agricultural co-operation. 13 p., processed. 1946. 1.984 Su3

#### HUMAN NUTRITION AND HOME ECONOMICS, BUREAU OF

18878 STIEBELING, H. K. Some of the developments we can expect in nutrition and food management resulting from the Food and Agriculture Organization Conference. 5 p., processed. 1945. 1.982 A2St5

#### INFORMATION, OFFICE OF

✓ 18879 ABRIDGED chronology of agriculture's part in the war. Rev., 26 p., processed. Nov. 1, 1945. (Rpt. No. 3) 1.90 A2Un32

The part the U. S. D. A. played in furthering the war effort.

✓ 18880 CONDENSED history of the U. S. Department of Agriculture. Rev., 16 p., processed. Feb. 1, 1946. (Rpt. No. 4) 1.90 A2Un32

18881 FACT sheet on food conservation for peace. 3 p., processed. 1946. 1.914 A2F1123

18882 FACT sheet on world food crisis. 3 p., processed. 1946. 1.914 A2F1122

18883 FOOD conservation for peace. 2 p., processed. 1946. 1.914 A2F73

✓ 18884 HARDING, T. S. Constituent agencies of the U. S. Department of Agriculture. Rev., 72 p., processed. Mar. 1946. (Rpt. No. 2) 1.90 A2Un32

✓ 18885 HARDING, T. S. Translating agricultural research into readable newswriting. 10 p., processed. 1946. 1.914 P2H21

Talk at Connecticut Extension Service Publications Workshop, Jan. 30-Feb. 2, 1946.

✓ 18886 IMPORTANT recent achievements of Department of Agriculture scientists. Rev., 29 p., processed. Jan. 15, 1946. (Rpt. No. 6) 1.90 A2Un32

✓ 18887 ORIGIN, structure, and functions of the U. S. Department of Agriculture. Rev., 19 p., processed. Jan. 1, 1946. (Rpt. No. 1) 1.90 A2Un32

✓ 18888 OUR DEPARTMENT of Agriculture scientists. Rev., 10 p., processed. Feb. 1946. (Rpt. No. 10) 1.90 A2Un32

#### LIBRARY

18889 WATROUS, R. C., and BELL, F. C. Forest credit in the United States, 1930-1945. U. S. D. A. Libr. Libr. List 23, 10 p., processed. 1946. 1.916 L612

#### PERSONNEL, OFFICE OF

✓ 18890 MEETING of personnel officers and administrators, December 3 - December 7, 1945, Milwaukee, Wisconsin. 36 p., processed. 1945. 1.917 A2M47

#### PLANT INDUSTRY, SOILS, AND AGRICULTURAL ENGINEERING, BUREAU OF

18891 COMMERCIAL sources of seed of condiment plants. 1 p., processed. Beltsville, Md., 1945. 1.965 A2C73

18892 DERMEN, H., SMITH, H. H., and EMSWELLER, S. L. The use of colchicine in plant breeding. 6 p., processed. 1946. Ref. 1.965 F4Us24

18893 REPORT of the chief of the Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, 1945. 38 p. 1945. 1 Ag84; also 1 P69

18894 RUDOLPH, F., and others. Soil survey of Lincoln County, Tennessee. U. S. Bur. Plant Indus., Soils, and Agr. Engin. (Soil Survey Rpt.) Ser. 1937, No. 16, 135 p. 1946. 1 So32F

L. J. Strickland, E. F. Henry, R. Wildermuth, and B. H. Williams, joint authors.

Tennessee Agricultural Experiment Station and the Tennessee Valley Authority cooperating.

18895 TUTTUP, J. Raise your roof. 13 p., processed. 1946. 1.965 F6R13

Building suggestions, including plans.

18896 VEGETABLE varieties for the garden. 5 p., processed. Beltsville, Md., 1946. 1.965 F4V522

18897 YERKES, G. E. African violet culture. 2 p., processed. Beltsville, Md., 1945. 1.965 F4Af82

18898 YERKES, G. E. Amaryllis culture. 2 p., processed. Beltsville, Md., 1945. 1.965 F4Aml

18899 YERKES, G. E. Camellia culture. 6 p., processed. Beltsville, Md., 1945. 1.965 F4C14

18900 YERKES, G. E. Fern culture. 2 p., processed. Beltsville, Md., 1945. 1.965 F4F392

18901 YERKES, G. E. Geranium culture. 2 p., processed. Beltsville, Md., 1945. 1.965 F4G312

18902 YERKES, G. E. Gladiolus culture. 2 p., processed. Beltsville, Md., 1945. 1.965 F4G4522

18903 YERKES, G. E. Gloxinia culture. 2 p., processed. Beltsville, Md., 1945. 1.965 F4G51

## PRODUCTION AND MARKETING ADMINISTRATION

## SECRETARY, OFFICE OF

- 18904 ANNUAL tobacco statistics, 1945. 97 p. 1946. (CS - 16) 1.9422 A8C732
- 18905 COMMODITY Exchange Act as amended; rules and regulations of the Secretary of Agriculture promulgated thereunder. Rev., 89 p. 1946. 1 C73C
- 18906 COMMUNITY school lunch menus and recipes. 61 p., processed. Dallas, 1946? 1.956 A2C73
- 18907 COMPILATION of statistical material covering Milk Marketing Order No. 70 and the Clinton, Iowa, marketing area. 37 p., processed. 1945. 1.956 D14C732
- 18908 COMPILATION of statistical material relative to the Cleveland, Ohio, fluid milk market. 78 p., processed. 1945. 1.956 D14C73
- 18909 CROW, W. C. Refrigeration and frozen foods. 12 p., processed. 1945. 1.95 M34C88  
Address, National Association of Marketing Officials, Washington, D. C., Nov. 1, 1945.
- 18910 DRY PEAS in school lunch menus. 1 p., processed. 1945. 1.956 A2D84
- 18911 FACTORS responsible for the tight feed situation. 5 p., processed. 1946. 1.956 A2F114
- 18912 FACTS about DDT. 10 p., processed. Dallas, n. d. 1.956 A2F115  
Compiled from reports of the Bureau of Entomology and Plant Quarantine.
- 18913 HUSEMAN, H. L. Peanut conference, October 15, 1945. 49 p., processed. 1945. 1.956 F26P31
- 18914 INDUSTRIAL feeding in metropolitan areas. 7 p., processed. 1945. 1.956 A2In2  
Statistics.
- 18915 SAFE storage of foods. 63 p., processed. 1945. 1.956 Sh6Sai
- 18916 SOUTHERLAND, F. L. Comprehensive labeling of processed fruits and vegetables and its buying value. 5 p., processed. 1945. 1.956 F94So8  
Address at Baltimore, Nov. 28, 1945.
- 18917 SUMMARY of the butter problem. 3 p., processed. 1946. 1.956 D14Su6
- 18918 WEBB, R. W., and RICHARDSON, H. B. Comparative significance of alternative cotton fiber length and strength measures in relation to yarn strength. 62 p., processed. 1945. 1.956 C82C73  
Preliminary report.
- 18919 WHY NEW production goals? 3 p., processed. 1946. 1.956 F45W62
- 18920 WILSON, E. B. Sugar for America. 6 p., processed. 1945. 1.956 Su3W69  
Address before American Bottlers of Carbonated Beverages, Chicago, Dec. 12, 1945.

## RURAL ELECTRIFICATION ADMINISTRATION

- 18921 REA MANUAL on farm water and plumbing systems. 32 p., processed. 1946. (Form AL-68) 1.933 R119
- 18922 REA REGIONAL map. 1946. 1.933 R118
- 18923 RURAL electrification through REA cooperatives. 3 p., processed. n. d. 1.933 R886
- 18924 SCHAEZNER, J. P. Home uses for electric service. 11 p., processed. 1945. 1.933 Schl  
Address before the American Institute of Electrical Engineers Dec. 19, 1945.
- 18925 SEVENTH annual report of energy purchased by REA - financed systems, fiscal year ended June 30, 1945. 100 p., processed. 1945? 1.933 En2
- 18926 WICKARD, C. R. REA's contribution to the national welfare. 8 p., processed. 1946. 1.91 A2W63  
Address before the National Rural Electric Cooperative Association, Buffalo, Mar. 5, 1946.
- 18927 WICKARD, C. R. The responsibility of REA cooperatives. 8 p., processed. 1946. 1.91 A2W63  
Address before meeting of managers and directors of North Carolina REA Cooperatives, Feb. 20, 1946, at Charlotte, N. C.

- 18928 ANDERSON, C. P. Rural electrification in the Nation's farm program. 7 p., processed. 1946. 1.91 A2An2  
Talk before the National Rural Electric Cooperative Association, Buffalo, Mar. 4, 1946.
- 18929 ANDERSON, C. P. Statement...to the Banking and Currency Committee of the House of Representatives with reference to the continuation of subsidies on food, Mar. 7, 1946. 6 p., processed. 1946. 1.91 A2An2
- 18930 ANDERSON, C. P. Text of a letter...to Senator James E. Murray, Chairman, Senate Committee on Education and Labor, concerning the proposal to add to the pending Minimum Wage Bill a rider containing provisions of the so-called Pace Bill [farm labor wages included in the calculation of the parity index]. 6 p., processed. 1946. 1.91 A2T31

## SOIL CONSERVATION SERVICE

- 18931 BENNETT, H. H. Wildlife gains through soil conservation. 11 p., processed. 1946. 1.96 Ad62  
Address at the 11th North American Wildlife Conference, N. Y., Mar. 11, 1946.
- 18932 BIBLIOGRAPHY; available literature on conservation for schools. 15 p., processed. 1945? (Conserv. Ed. Rpt. No. 4) 1.96 R27Ce  
Natural resources.
- 18933 BRAHDT, A. E., and HULL, W. X. Impongase de lo que ocurre en sus suelos. 7 p., processed. 1945. 1.96 Ad6Im  
Soil erosion and soil acidity experiments.
- 18934 CONSERVATION education in the public schools; a summary of findings and recommendations of four conservation education conferences sponsored by the Soil Conservation Service, March-August 1945. 4 p., processed. 1945? (Conserv. Ed. Rpt. No. 1) 1.96 R27Ce
- 18935 CONSERVATION education in the public schools; teacher training. A summary of the recommendations of four conservation education conferences, March-August 1945. 3 p., processed. 1945? (Conserv. Ed. Rpt. No. 2) 1.96 R27Ce
- 18936 CONSERVATION education in the public schools; teaching materials. A summary of the recommendations of four education conferences on conservation materials needed for elementary and secondary schools, March-August 1945. 5 p., processed. 1945. (Conserv. Ed. Rpt. No. 3) 1.96 R27Ce
- 18937 DIENER, H. C., and HAMILTON, F. B. Opportunities for education in soil conservation. 22 p., processed. 1946. 1.96 B96Op
- 18938 EINSTEIN, H. A. Sediment movement in Pacheco Creek [California]. 16 p., processed. Pasadena, 1946. (TR-77-CF-R1) 1.96 R31Sed
- 18939 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Colorado River Drainage Basin, March 1, 1946. 7 p., processed. 1946. 1.96 R31Fsc  
Colorado Agricultural Experiment Station cooperating.
- 18940 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Columbia Basin, March 1, 1946. 17 p., processed. 1946. 1.96 R31Fs
- 18941 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Missouri and Arkansas Drainage Basins, March 1, 1946. 12 p., processed. 1946. 1.96 R31Fsm  
Colorado Agricultural Experiment Station cooperating.
- 18942 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Oregon, March 1, 1946. 15 p., processed. 1946. 1.96 R31Fso  
Oregon Agricultural Experiment Station cooperating.



18943 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Rio Grande Drainage Basin, March 1, 1946. 5 p., processed. 1946.

1.96 R31Fsr

Colorado Agricultural Experiment Station cooperating.

18944 LOWDERMILK, W. C. Stewardship of the earth in the Western Hemisphere. 4 p., processed. 1945. 1.96 Ad63

Paper delivered before the Calgary Board of Trade, Alberta, Canada, Nov. 23, 1945.

18945 OUTLINE for teaching soil and water conservation. 43 p., processed. Milwaukee, 1946? 1.9606 Ou83

18946 REPORT of the chief of the Soil Conservation Service, 1945. 55 p. 1946. 1 Ag84

18947 SOIL erosion, land use conditions and conservation work needed in Pennsylvania. 14 p., processed. Harrisburg, 1945. 1.9601 So34

18948 STALLINGS, J. H. Review of data on contour furrowing, pasture and range land. 10 p., processed. 1945. 1.96 R31Rc

18949 STALLINGS, J. H. Review of terracing data on crop yield, runoff and soil loss. 8 p., processed. 1945. 1.96 R31Rr

18950 STALLINGS, J. H. Summarization of strip cropping data on crop yield, runoff and soil loss. 9 p., processed. 1945. 1.96 R31Ss

18951 VAN DERSAL, W. R. Training centers of the Soil Conservation Service. 11 p., processed. 1946. 1.96 B96Tc

18952 WOOD preserving demonstration. 9 p., processed. n. d. 1.9608 W85

SOLICITOR, OFFICE OF

18953 SHIELDS, R. E. Federal statutory provisions relating to price support for agricultural commodities. Rev., 31 p., processed. 1946. 1.918 F31

Talk before a meeting of the regional attorneys of the U. S. D. A., Aug. 16, 1944, at Denver. Includes statutory changes which occurred through 1945.

STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS  
May 1946

Includes State Agricultural Experiment Station publications received in the library during the preceding month. Articles in Station periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

- 18954 MOORE, J. C. Christmas tree production. Ala. Agr. Expt. Sta. C. 92, 15 p. 1945. 100 AL1S  
18955 WILSON, C., ALBRECHT, H. R., and REED, I. F. Seed treatments for peanuts. Ala. Agr. Expt. Sta. Mimeog. Ser. 24, 3 p., processed. 1946. 100 AL1M

Arizona Agricultural Experiment Station, Tucson

- 18956 MCGEORGE, W. T. Gypsum, a soil corrective and soil builder. Ariz. Agr. Expt. Sta. B. 200, 14 p. 1945. 100 Ar4  
18957 MCGEORGE, W. T. Sulphur, a soil corrective and soil builder. Ariz. Agr. Expt. Sta. B. 201, 20 p. 1945. 100 Ar4

Connecticut (State) Agricultural Experiment Station, New Haven

- 18958 BAILEY, E. M. The forty-ninth report on food products and the thirty-seventh report on drug products, 1944. Conn. Agr. Expt. Sta. B. 489, p. 433-450. 1945. 100 C76St  
Summarizes examinations of official food and drug samples.

Florida Agricultural Experiment Station, Gainesville

- 18959 KILLINGER, G. B., and STOKES, W. E. Chufas in Florida [*Cyperus esculentus*]. Fla. Agr. Expt. Sta. B. 419, 16 p. 1946. 100 F66S  
18960 MOORE, O. K., and MEHRHOF, N. R. Periodic increase in lighting versus continuous lighting for layers. Fla. Agr. Expt. Sta. B. 420, 12 p. 1946. 100 F66S

Georgia Agricultural Experiment Station, Experiment

- 18961 ELROD, J. C., and HENDRIX, W. E. A farm management analysis of dairy farming in Putnam County, Georgia, 1944. Ga. Agr. Expt. Sta. B. 244, 55 p. 1945. 100 G29S

Georgia Coastal Plain Experiment Station, Tifton

- 18962 COAL stokers for curing flue-cured tobacco. Ga. Coastal Plain Agr. Expt. Sta. Mimeog. Paper 44, 4 p. 1946. 100 G292M

Idaho Agricultural Experiment Station, Moscow

- 18963 BEESON, W. M., and others. The phosphorus requirement of ewes for pregnancy and lactation. Idaho. Agr. Expt. Sta. B. 266, 11 p. 1945. 100 Id1  
R. F. Johnson, D. W. Bolin, and C. W. Hickman, joint authors.

- 18964 LEHRER, W. P., JR., BEESON, W. M., and WILSON, A. Cull peas as a protein supplement for fattening hogs on pasture. Idaho. Agr. Expt. Sta. C. 108, 4 p. 1946. 100 Id1  
18965 VERNER, L. The Lamida, Thony and Spalding sweet cherries. Idaho Agr. Expt. Sta. C. 109, 4 p. 1946. 100 Id1  
18966 BLOWETT, E. C. Chlorosis of plants in Idaho. Idaho Agr. Expt. Sta. C. 110, 7 p. 1946. 100 Id1

Kansas Agricultural Experiment Station, Manhattan

- 18967 BUSHNELL, L. D., and TWIEHAUS, M. J. Poultry diseases, their prevention and control. Kans. Agr. Expt. Sta. B. 326, 124 p. 1945. 100 K13S  
Revision of Bulletin 284.  
18968 GUNSELMAN, M. A. Farm incomes and living costs for certain Kansas families. Kans. Agr. Expt. Sta. B. 327, 35 p. 1945. 100 K13S  
18969 GRANDFIELD, C. O., and THROCKMORTON, R. I. Alfalfa in Kansas. Kans. Agr. Expt. Sta. B. 328, 64 p. 1945. Ref. 100 K13S  
18970 HORTON, J. R., and others. Wheat-seeding dates and the hessian fly [*Phytophaga destructor*] in Kansas. Kans. Agr. Expt. Sta. Tech. B. 59, 18 p. 1945. 100 K13S  
E. T. Jones, H. H. Walkden, and G. A. Dean, joint authors.  
18971 LINK, R. P. Bovine mastitis. Kans. Agr. Expt. Sta. C. 233, 12 p. 1946. 100 K13S  
18972 DEAN, G. A. The elm Calligrapha (*Calligrapha scalaris* Lec.). Kans. Agr. Expt. Sta. C. 234, 7 p. 1946. 100 K13S

Michigan Agricultural Experiment Station, East Lansing

- 18973 SABROSKY, C. W. Occurrence of malaria mosquitoes [*Anopheles* spp.] in southern Michigan. Mich. Agr. Expt. Sta. Tech. B. 202, 50 p. 1946. 100 M58S

Mississippi Agricultural Experiment Station, State College

- 18974 DICKINS, D. Changing pattern of food preparation of small town families in Mississippi. Miss. Agr. Expt. Sta. B. 415, 56 p. 1945. 100 M69  
18975 PARVIN, D. W. Development of the dairy industry in Mississippi. Miss. Agr. Expt. Sta. B. 422, 52 p. 1945. 100 M69  
18976 MISSISSIPPI farm research, v. 9, No. 1. 8 p. Jan. 1945. 100 M69M1

Missouri Agricultural Experiment Station, Columbia

- 18977 MILLER, M. F., SHIRKY, S. B., and L'HOTE, H. J. Investigations for the benefit of the Missouri farmer; work of the Agricultural Experiment Station during the year ending June 30, 1944. Mo. Agr. Expt. Sta. B. 491, 71 p. 1945. 100 M693  
18978 MILLER, M. F., and others. Fertilizer inspection, analysis and use; 1944. Mo. Agr. Expt. Sta. B. 493, 43 p. 1945. 100 M693  
L. D. Haigh, E. W. Cowan, and J. H. Long, joint authors.  
18979 HERMAN, H. A., and RAGSDALE, A. C. Artificial insemination of dairy cattle. Mo. Agr. Expt. Sta. B. 494, 32 p. 1946. 100 M693

Nebraska Agricultural Experiment Station, Lincoln

- 18980 NEBRASKA COMMITTEE ON POSTWAR PLANNING AND ADJUSTMENTS IN AGRICULTURE. Nebraska looks ahead; postwar agricultural problems and proposed programs. Nebr. Agr. Expt. Sta. B. 380, 115 p. 1945. 100 N27

Contents: An analysis and synopsis of postwar agricultural conditions in Nebraska, by W. W. Burr, F. Miller, and M. S. Peterson, p. 8-16; Development and conservation of physical resources, by E. H. Doll,



F. Miller, J. Thorp, and M. L. Baker, p. 17-29; Adjustments in agricultural production during demobilization period, by F. Miller, D. L. Gross, and J. Thorp, p. 30-46; Marketing problems in the demobilization period, by H. C. Filley, A. W. Epp, and F. J. Chase, p. 47-52; Opportunities for settlement on land after the war through water development, by G. E. Condra, E. C. Reed, H. Waite, and E. E. Brackett, p. 53-58; Tenure problems after the war, by W. H. Brokaw, F. D. Keim, H. C. Filley, and E. Frolik, p. 59-66; Farm credit in the postwar period, by A. W. Epp, H. C. Filley, W. H. Brokaw, and F. D. Keim, p. 67-70; Social security, by H. C. Filley, A. W. Epp, and F. J. Chase, p. 71-74; Rural Health services and facilities in Nebraska, by H. G. Gould, M. Fedde, R. Loper, and R. Gibbons, p. 75-83; Postwar housing equipment, by R. Loper, M. Fedde, M. Liston, T. A. Filipi, and F. Atwood, p. 84-94; Postwar needs in nutrition, by M. Fedde, H. G. Gould, R. Gibbons, and R. Leverton, p. 95-96; Industrial development and agricultural relations, by J. F. Lawrence, H. G. Gould, E. C. Reed, and C. W. Smith, p. 97-100; Rural electrification in Nebraska, by E. E. Brackett, F. D. Yung, and L. Larsen, p. 101-102; Rural education, by H. E. Bradford and C. C. Minter, p. 103-113; Research, by E. H. Doll, F. Miller, and F. D. Keim, p. 114-115.

18981 TATE, H. D., and BARE, O. S. Corn rootworms [Diabrotica]. Nebr. Agr. Expt. Sta. B. 381, 12 p. 1946. 100 N27

18982 HILL, R. E. Influence of food plants on fecundity, larval development and abundance of the tuber flea beetle [Epitrix tuberis] in Nebraska. Nebr. Agr. Expt. Sta. Res. B. 143, 16 p. 1946. Ref. 100 N27

18983 YUNG, F. D. A zero storage cabinet. Nebr. Agr. Expt. Sta. Agr. Engin. Prog. Rpt. 12, 3 p., processed. 1946. 100 N27A

#### New Mexico Agricultural Experiment Station, State College

18984 NEALE, P. E. Longer staple wool increases income. N. Mex. Agr. Expt. Sta. Press B. 1010, 4 p., processed. 1946. 100 N465

#### New York (Cornell) Agricultural Experiment Station, Ithaca

18985 ANDERSON, W. A. A study of the values of living and working in the rural environment. Part I. The construction of rural living opinion scales. N. Y. (Cornell) Agr. Expt. Sta. Mimeog. B. 18, 44 p. 1946. 100 N48Cm

18986 ANDERSON, W. A. A study of the values of living and working in the rural environment. Part II. The opinions of young women university students. N. Y. (Cornell) Agr. Expt. Sta. Mimeog. B. 19, 23 p. 1946. 100 N48Cm

#### North Carolina Agricultural Experiment Station, State College Station, Raleigh

18987 RESEARCH and farming, v. 4, Prog. Rpt. No. 2, 12 p. Jan. 1946. 100 N81R

#### North Dakota Agricultural Experiment Station, State College Station, Fargo

18988 BIMONTHLY bulletin, v. 8, No. 3, 43 p. Jan./Feb. 1946. 100 F813B

#### Ohio Agricultural Experiment Station, Wooster

18989 ALDERMAN, O. A. A twenty-year plan for establishing a more adequate system of State forests and forest parks in Ohio. Ohio Agr. Expt. Sta. Div. of Forestry P. 75, 20 p. 1945. 99.9 Oh33

18990 BIMONTHLY bulletin, v. 31, No. 23F, p. 3-27. Jan./Feb. 1946. 100 Oh35

#### Oklahoma Agricultural Experiment Station, Stillwater

18991 KLEMMER, R. T., and FORD, E. C. Oklahoma farm real estate activity, 1941-44. Okla. Agr. Expt. Sta. B. B-291, 36 p. 1946. 100 Ok4

18992 THAYER, R. H. Planning a year-round poultry green feed program for Oklahoma. Okla. Agr. Expt. Sta. C. C-120, 25 p. 1946. 100 Ok4

18993 FARM research flashes. 5 p., processed. Mar. 1946. 100 Ok4F

#### Pennsylvania Agricultural Experiment Station, State College

18994 ODLAND, M. L. Lima bean variety and strain trials - 1945. Pa. Agr. Expt. Sta. J. Ser. Paper 1304, 6 p., processed. 1946. 100 P381J

18995 ODLAND, M. L. Sweet corn variety and strain trials - 1945. Pa. Agr. Expt. Sta. J. Ser. Paper 1305, 7 p., processed. 1946. 100 P381J

18996 ODLAND, M. L. Pepper variety and strain trials - 1945. Pa. Agr. Expt. Sta. J. Ser. Paper 1309, 7 p., processed. 1946. 100 P381J

18997 ODLAND, M. L., and LINK, C. B. Cabbage variety and strain trials - 1945. Pa. Agr. Expt. Sta. J. Ser. Paper 1310, 8 p., processed. 1946. 100 P381J

18998 ODLAND, M. L. Carrot variety and strain trials - 1945. Pa. Agr. Expt. Sta. J. Ser. Paper 1311, 7 p., processed. 1946. 100 P381J

18999 ODLAND, M. L. Celery variety and strain trials - 1945. Pa. Agr. Expt. Sta. J. Ser. Paper 1314, 5 p., processed. 1946. 100 P381J

19000 ODLAND, M. L. Turnip variety and strain trials - 1945. Pa. Agr. Expt. Sta. J. Ser. Paper 1317, 4 p., processed. 1946. 100 P381J

#### Puerto Rico Agricultural Experiment Station, Río Piedras

19001 NÚÑEZ MELÉNDEZ, E. Plantas medicinales de posible cultivo en Puerto Rico. Puerto Rico (Río Piedras). Agr. Expt. Sta. B. 67, 47 p. 1945. 100 P83

#### Texas Agricultural Experiment Station, College Station

19002 BROCK, F. D., and HOLLEMAN, M. P. Commercial feeding stuffs from September 1, 1944 to August 31, 1945. Tex. Agr. Expt. Sta. B. 673, 160 p. 1945. 100 T31S

19003 FRAPS, G. S. Digestibility of human foods and animal feeds as measured by digestion experiments with rats. Tex. Agr. Expt. Sta. B. 675, 19 p. 1945. Ref. 100 T31S

19004 MAGEE, A. C., and BONNEN, C. A. Information basic to adjustments in rice production in Texas. Tex. Agr. Expt. Sta. B. 676, 46 p. 1945. 100 T31S

19005 MORTENSEN, E. Suggestions for growing cantaloupes in the Texas winter garden. Tex. Agr. Expt. Sta. Prog. Rpt. 988, 4 p., processed. 1946. 100 T31Pl

#### Vermont Agricultural Experiment Station, Burlington

19006 FIFTY-EIGHTH annual report of the Vermont Agricultural Experiment Station [1944/1945]. p. 9-35. 1945. 276 V59A

This report is included in Annual Report No. 1 of the College of Agriculture, University of Vermont.

#### West Virginia Agricultural Experiment Station, Morgantown

19007 FARMER'S stake in price control. W. Va. Agr. Expt. Sta. Spec. C. 1. Folder. 1946. 100 W52Sp



STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month. Articles in extension periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

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Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

California University, College of Agriculture, Agricultural Extension Service, Berkeley

19008 SHULTIS, A., and HERTEL, J. P. 1945 poultry management study, San Bernardino County, fifteenth annual report; a comparison of the practices of eight poultry farms. 10 p., processed. Calif. Agr. Col. Ext., 1945. 275.29 G12En

19009 WINKLER, A. J. Pruning vinifera grapevines. Calif. Agr. Col. Ext. C. 89, rev., 56 p. 1945. 275.29 G12C

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

19010 HOSLEY, N. W., and KIENHOLZ, A. R. Forest planting in Connecticut. Conn. Agr. Col. Ext. B. 375, 14 p. 1945. 275.29 G76B

Idaho University, College of Agriculture, Extension Service, Moscow

19011 RURAL electrification 4-H Clubs; 1945 county winners. Idaho. Agr. Col. Rural Electr. Ext. Leaflet 73, 2 p. 1946. 275.29 I413Ir

19012 COWS and kilowatts; how can electricity fit into the dairy industry committee program? Idaho. Agr. Col. Rural Electr. Ext. Leaflet 74, 2 p. 1946. 275.29 I413Ir

Illinois University, College of Agriculture, Extension Service, Urbana

19013 CAMPBELL, M. A., BILLS, R. W., and KOEHLER, F. Destroy the rust-spreading barberry. Ill. Agr. Col. Ext. C. 598, 16 p. 1946. 275.29 I162C

Kansas State College of Agriculture and Applied Science, Extension Service, Manhattan

19014 FARRIS, M. Care of the bed. Kans. State Col. Agr. Ext. C. 182, 3 p. 1945. 275.29 K13Ex  
Includes bedbug (Simex) control.

19015 ALLEN, G., and FLETCHER, M. G. Serving breakfast, supper, lunch, dinner. Kans. State Col. Agr. Ext. C. 187. Folder. 1945. 275.29 K13Ex  
Meal planning and preparation schedules.

Kentucky University, College of Agriculture and Home Economics, Extension Service, Lexington

19016 THE AGRICULTURAL outlook for Kentucky 1946. 16 p., processed. 1945. 275.29 K415A

Louisiana State University and Agricultural and Mechanical College, Division of Agricultural Extension, University Station, Baton Rouge

19017 LOUISIANA'S program for peach production. La. Agr. Col. Ext. C. 259, 23 p. 1946. 275.29 L93C

Mississippi State College, Extension Service, State College

19018 MONOSMITH, R. O. The 4-H home garden manual. Miss. State Col. Ext. B. 130, 36 p. 1945. 275.29 M68

19019 HINES, C., and LYLE, C. Mississippi spray calendar. Fruit pest control practices. Miss. State Col. Ext. C. 114, rev., 12 p. 1946. 275.29 M68C

19020 SHAWL, R. I. Relief from tractor troubles; a guide for checking, conditioning, adjusting, preventive maintenance. Miss. State Col. Ext. C. 133, 16 p. 1946. 275.29 M68C

Nebraska University, College of Agriculture, Agricultural Extension Service, Lincoln

19021 HOFFERT, E. H. Developing attractive farmsteads in Nebraska. Nebr. Agr. Col. Ext. C. 1271, 23 p. 1945. 275.29 N272Ex

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

19022 LIST of publications, Cornell University Agricultural Experiment Station and New York State Colleges of Agriculture and Home Economics. N. Y. Agr. Col. Cornell Ext. B. 47, rev., 27 p. 1946. 275.29 N48E

19023 MILLS, W. D., and DEWEY, J. E. Diseases and insects of small fruits. N. Y. Agr. Col. Cornell Ext. B. 306, rev., 54 p. 1946. 275.29 N48E

19024 SEAGEARS, C. The story of conservation in New York. N. Y. Agr. Col. Ext. Cornell Rural School Leaflet, v. 39, No. 4, 32 p. 1946. 275.29 N48R

North Carolina University, State College of Agriculture and Engineering, Extension Service, State College Station, Raleigh

19025 MCALLISTER, M. L., and SCHOLZ, R. Canning meat for the home. N. C. Agr. Col. Ext. C. 284, 13 p. 1945. 275.29 N811

19026 HARRIS, J. H. Homestead planning; selecting the site and developing the homestead. N. C. Agr. Col. Ext. C. 285, 19 p. 1945. 275.29 N811

19027 COLLINS, E. R., comp. Better pastures for North Carolina. N. C. Agr. Col. Ext. C. 286, 4 p. 1945. 275.29 N811

Material furnished by W. W. Woodhouse, R. L. Lovvorn, and H. B. James.

19028 CASE, L. I., and FOSTER, J. E. Control of internal parasites in sheep. N. C. Agr. Col. Ext. Folder 61, 5 p. 1945. 275.29 N811Ex

19029 HUNTER, W. N., and MCIVER, J. Your colors and your wardrobe. N. C. Agr. Col. Ext. 4-H Club Ser. 57, 8 p. 1945? 275.29 N811C

19030 THOMAS, M. E., and WILSON, S. V. Blood building foods. N. C. Agr. Col. Ext. Misc. Pam. 97, 4 p. 1945. 275.29 N811M  
Foods containing iron.

19031 THOMAS, M. E., and WILSON, S. V. Eggs, their place in meal planning. N. C. Agr. Col. Ext. Misc. Pam. 98, 8 p. 1945. 275.29 N811M

19032 HUNTER, W. N., and MCIVER, J. Cleaning and adjusting the sewing machine. N. C. Agr. Col. Ext. Misc. Pam. 99, 4 p. 1946. 275.29 N811M

19033 GORDON, P. E. The modern farm kitchen. N. C. Agr. Col. Ext. Misc. Pam. 100, 12 p. 1946. 275.29 N811M

Pennsylvania State College, Agricultural Extension Service, State College

19034 KAUFFMAN, H. H. Turkey raising. Pa. State Col. Agr. Ext. C. 282, 22 p. 1945. 275.29 P38C

19035 MURPHY, F. T. Christmas tree farming in Pennsylvania. Pa. State Col. Agr. Ext. C. 284, 24 p. 1945. 275.29 P38C



Vermont University, College of Agriculture, Agricultural Extension Service, Burlington

19036 THIRTIETH annual report of cooperative extension work in agriculture and home economics [1944/45]. p. 36-55. 1945. 276 V59A

This report is included in Annual Report No. 1 of the College of Agriculture, University of Vermont.

19037 VERMONT RURAL POLICY COMMITTEE. Rural health: a report on the tenth meeting of the Vermont Rural Policy Committee at the University of Vermont, Burlington, Vt., January 9-10, 1946. 55 p., processed. Burlington, 1946. 281.9 V59

Partial contents: A brief resume of the work of the rural policy committees on health, by M. E. Luce, p. 2; Area health units, by M. B. Proctor, p. 3-7; Recent developments in medical plans for Vermont, by L. Sample, p. 8-18; Vermont hospital needs, by L. C. Campbell, p. 19-21; Vermont medical center, by W. E. Brown, p. 22-25; Remarks, by J. P. Taylor, p. 26; Remarks, by J. E. Carrigan, p. 33; National health legislation, by G. D. Aiken, p. 34-38.

Washington State College, Extension Service, Pullman

19038 CANNIBALISM in chickens. Wash. State Col. Ext. B. 334 (Poultry Pointers No. 12, rev.), 4 p. 1946. 275.29 W27P

19039 NESTS and their care. Wash. State Col. Ext. B. 335 (Poultry Pointers No. 30, rev.), 8 p. 1945. 275.29 W27P

19040 FEEDING and management of chicks and pullets. Wash. State Col. Ext. Poultry Pointers, No. 14, rev., 8 p. 1946. 275.29 W27Pou

Wisconsin University, College of Agriculture, Agriculture Extension Service, Madison

19041 GROWING up! Wis. Agr. Col. Ext. C 4-H, 38 rev., 6 p. 1945. 275.29 W75Cf  
Health questionnaire for 4-H club members.

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except restricted publications, not included in the foregoing sections which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

19042 ACOSTA SOLÍS, M. Algunas consideraciones sobre la tierra ecuatoriana y su colonización. 20 p. Quito, Editorial Quito, 1945. 282.2 Ac7

19043 BLISS, R. K. Looking forward. 3 p., processed. n. p., 1946? 281.027 B61  
Future of Iowa agriculture.

19044 BRITISH COUNCIL OF CHURCHES. The land, the people, and the churches. 94 p. London, S. C. M. Press, 1945. 281.2 R77

19045 CADBURY, L. J. This question of populations; Europe in 1970. 24 p. London, "News Chronicle," 1945? 280.17 C11

Includes need for improved agriculture.

19046 CANADA. ROYAL COMMISSION ON CO-OPERATIVES. Report. 245 p. Ottawa, Cloutier, 1945. 280.2 C163

Taxation of cooperatives. Considerable data on agricultural cooperative organizations included.

19047 CHAMBER OF COMMERCE OF THE UNITED STATES. NATURAL RESOURCES DEPT. COMMITTEE. Referendum No. 88 of organization members on public land policies, March 14, 1946. 15 p. Washington, D. C., 1946. 287 C352R

19048 COMISIÓN NACIONAL DE PROPAGANDA Y DEFENSA DEL TABACO HABANO. DEPARTAMENTO DE ESTADÍSTICA. Resumen de las exportaciones de tabaco en rama y manufacturado durante los años de 1944 y 1945. 6 p., processed. Habana? 1946. 264.8 C8972R

19049 WOOLLS, D. M. Wages on the farm. 47 p. London, Signpost Press, 1945. (Signpost Booklets. 20) 283 Ec2

19050 FABIAN SOCIETY, LONDON. The farming front, a report on British agriculture in war and peace. 16 p. London, Fabian Pub. Ltd., 1945. 281.171 F11

19051 FORT SMITH, ARKANSAS. CHAMBER OF COMMERCE. POST-WAR PLANNING COMMITTEE. Fort Smith forward by plan; post-war planning survey. 40 p. Fort Smith, Calvert-McBride, 1945. 280.009 F77

Includes wartime changes in the farm population and consumer expenditures of farm families in the Fort Smith Trade Area.

19052 INDIA. FAMINE INQUIRY COMMISSION, 1945. Final report. 518 p. Madras, Govt. Press, 1945. 281.182 In23

Deals with the problems of food production and nutrition and the agricultural economy. Appendices are on population, land tenure, rural credit, agricultural prices and wages, rural industries and employment, and rural development organizations.

19053 INTER AMERICAN STATISTICAL INSTITUTE. Convertibility index for foreign trade statistical classifications of the American nations. Basic classification scheme showing detailed export and import commodity descriptions by classes of the minimum list of commodities for international trade statistics. Preliminary ed., 1130 p. Washington, D. C., 1945. 286 In89

Includes agricultural and forest products.

19054 KRAFT CHEESE COMPANY, CHICAGO. DAIRY FARM SERVICE. Mops of the moment; a calendar of timely information on dairying. 35 p. Chicago? 1945? Ref. 44 K85M

Hints on dairy farm management.

19055 MCDIARMID, O. J. Commercial policy in the Canadian economy. 397 p. Cambridge, Mass., Harvard U. Press, 1946. 286 M142

Contains data on tariff for agricultural machinery and products.

19056 MEDICI, G. Italian agriculture and its problems. 34 p., processed. Champaign, Ill., Bartlett Found., 1945. (Bartlett Foundation, Inc. BF-9) 281.176 M46

19057 NATIONAL PLANNING ASSOCIATION. 4 for 4; questions for national action. 34 p. Washington, D. C., 1945. 280.12 N2182  
Agriculture Committee Questions Leading to Action, p. 13-15.

19058 NEW YORK STATE SOCIETY OF REAL ESTATE APPRAISERS. Real estate appraisal bibliography. 1945. Ed. 3, 86 p. Albany, 1945. 241.3 N483  
Farms and Farm Land, p. 41-47.

19059 PEARSON, H. S. Success on the small farm. 285 p. N. Y., McGraw-Hill, 1946.  
Farm management.

19060 PUERTO RICO. UNIVERSITY. DEPT. OF ECONOMICS. SEMINAR ON ECONOMIC PLANNING. Planning for Puerto Rico. 66 p., processed. Río Piedras, Universidad de Puerto Rico, 1945. 280.14 P96

Partial contents: The work of the Puerto Rican Planning Board, by R. Picó, p. 1-10; Planning for the Puerto Rican Livestock and Dairy Industry, by O. E. de Urrutia, p. 23-31; Patterns of rural resettlement in Puerto Rico, by B. Howell, p. 39-62.

19061 SINGH, T. Poverty and social change; a study in the economic reorganization of Indian rural society. 200 p. Calcutta, Longmans, 1945. 281.182 6

19062 U. S. BUREAU OF RECLAMATION. Settlement opportunities on irrigated farms. 10 p. Washington, 1946. 156.85 Se72

19063 U. S. CONGRESS. HOUSE. COMMITTEE ON AGRICULTURE. Agricultural Credit Act. Hearings... 79th Cong., 1st sess. on H. R. 3422, a bill to create the Agricultural Credit Agency... 1945. 2 pts. Washington, 1946.

Part 2 includes statement by C. P. Anderson.



19064 U. S. CONGRESS. HOUSE. SPECIAL COMMITTEE TO INVESTIGATE EXECUTIVE AGENCIES. To investigate executive agencies. Hearings...79th Cong., 1st sess. pursuant to H. Res. 88...Pt. 4, May 29, 30, 31, June 5, 19, 1945; hearings on War Labor Board and National Labor Relations Board; complaints of citrus fruit and vegetable growers of the States of California, Texas, and Florida. p. 993-1270. Washington, 1946.

19065 U. S. CONGRESS. SENATE. COMMITTEE ON BANKING AND CURRENCY. 1946 modifications in the authorization for certain subsidies. Hearings...79th Cong., 2d sess. on H. J. Res. 301...Feb. 21 and 22, 1946. 19 p. Washington, 1946.

Includes discussion of subsidies on agricultural products.

19066 U. S. CONGRESS. SENATE. COMMITTEE ON EDUCATION AND LABOR. Amendment of the Fair Labor Standards Act of 1938. Hearings...79th Cong., 2d sess. on S. 1349...Pt. 2, Jan. 18, 19, and 21, 1946. p. 1413-1512. Washington, 1946.

Mention of agriculture.

19067 U. S. DEPT. OF THE INTERIOR. BUREAU OF RECLAMATION. Columbia Basin, joint investigations, problem 27. 55 p., processed. Washington, 1946. 156.85 J66

U. S. Bureau of Agricultural Economics, joint author.

Rural community planning.

19068 U. S. TREATIES, ETC. An agreement between the governments of the United States of America and of Jamaica modifying the terms of an agreement dated the 2d day of April 1943 relating to employment of Jamaican agricultural workers in the United States. 7 p., processed. Washington, 1946. 283 Un3997

#### AGRICULTURAL ENGINEERING

19069 U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Independent offices appropriation bill for 1947. Hearings...79th Cong., 2d sess. on H. R. 5201...Pt. 2, Federal Communications Commission. 68 p. Washington, 1946.

Includes rural services.

19070 U. S. DEPT. OF THE INTERIOR. BUREAU OF RECLAMATION. Columbia Basin, joint investigations, rural and village electrification, problem 23. 78 p. Washington, 1945. 156.85 J66

Appendix E. Rural Electrification Bibliography. P. 53-78.

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

19071 BARTLETT, R. W. The milk industry; a comprehensive survey of production, distribution, and economic importance. 282 p. N. Y., Ronald, 1946. 281.344 B28

19072 CEGLA, W. Palestine's wartime fodder control scheme. 104 p. n. p., Haaretz, 1945. 389.7 C32

19073 FARM JOURNAL. MARKET RESEARCH DEPT. County basic data [for the forty-eight states]. 48 pts., processed. Philadelphia, 1945? 280.329 F22

Includes for each county 1940 statistics for agriculture and farm population.

19074 GERMANY. STATISTISCHES REICHSAMT. Übersichten über die entwicklung der deutschen ernährungswirtschaft. 149 p. n. p., 1945. 265 St2U

Production and consumption.

19075 HAYNES, W. Southern horizons. 316 p. N. Y., Van Nostrand, 1946. 280.002 H33

Chapters on the South's agricultural products and chemistry.

19076 SOMMER, H. H. Market milk and related products. Ed. 2. 745 p. Madison, Wis., The Author, 1946. 44 So53M

Bibliography at end of each chapter except chapter XV.

19077 U. S. CONGRESS. HOUSE. COMMITTEE ON BANKING AND CURRENCY. Puerto Rican and Hawaiian 1946 sugar crop; Texas City tin smelter. Hearings...79th Cong., 2d sess. on H. J. Res. 301...Jan. 21, 1946. 26 p. Washington, 1946.

Statements of J. D. Goodloe and J. B. Hutson.

19078 U. S. CONGRESS. HOUSE. SPECIAL COMMITTEE TO INVESTIGATE EXECUTIVE AGENCIES. To investigate executive agencies. Hearings...79th Cong., 1st sess. pursuant to H. Res. 88...Pt. 2, Mar. 20, 21, 1945; hearings on sugar allocations; amendment No. 10 to 2d rev. RO3, dated March 15, 1945, Office of Price Administration. p. 837-937. Washington, 1945.

19079 U. S. CONGRESS. HOUSE. SPECIAL COMMITTEE TO INVESTIGATE EXECUTIVE AGENCIES. To investigate executive agencies. Hearings...79th Cong., 1st sess. pursuant to H. Res. 88...Pt. 3, June 6 and 7, 1945; hearings on pricing of fresh fruits and vegetables for market, and prices fresh fruits and vegetables for processing - MPR 425 and MPR 426 and amendments, Office of Price Administration. p. 939-991. Washington, 1945.

19080 URUGUAY. MINISTERIO DE HACIENDA. Informativo, diciembre, 1945. 67 p., processed. Montevideo? 1945. 255.7 Ur881

Includes marketing and foreign trade statistics for agricultural products.

#### ANIMAL INDUSTRY

19081 AMERICAN SOCIETY FOR TESTING MATERIALS. COMMITTEE D-1 ON PAINT, VARNISH, LACQUER, AND RELATED PRODUCTS. A. S. T. M. standards on paint, varnish, lacquer, and related products; specifications, methods of testing, definitions of terms. 528 p. Philadelphia, 1946. 306 Am32

Contains specifications for vegetable oils used in the industry.

19082 BENNETT, R. H. The compleat rancher, with drawings by Ross Santee. 246 p. N. Y., Rinehart, 1946. Ref. 43 B43

19083 DENLINGER, M. G. A blueprint of the collie. This book gives you the meaning of the official standard of the collie. 96 p. Washington, D. C., Denlinger's, 1945. 48 D41

19084 HOFFMANN, W., and JOHNSON, H. A. Successful broiler growing. 186 p. Mount Morris, Ill., Watt Pub. Co., 1946. Ref. 47 H674

19085 IDAHO. BUREAU OF BRANDS. Official brand book of the State of Idaho. 319 p. Boise, 1945. 49.9 Id1

19086 LEE, C. E. Profitable poultry management. 25th anniversary ed., 261 p. Cayuga, N. Y., Beacon Milling Co., 1945. 47 L51

#### ENTOMOLOGY

19087 AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS. EASTERN BRANCH. Entoma: a directory of insect and plant pest control. Ed. by G. S. Langford. Ed. 6, 320 p. College Park, Md., 1945. 423 Am3

19088 HINTON, H. E. A monograph of the beetles associated with stored products. v. 1, 443 p. London, Brit. Mus., 1945. 427 H59

#### FOOD AND HUMAN NUTRITION

19089 AMIDON, E. P., BRADBURY, D. E., and DRENCKHAHN, V. V. Good food and nutrition for young people and their families. 323 p. N. Y., Wiley, 1946. 389.1 Am5

19090 KANSAS. STATE COLLEGE OF AGRICULTURE AND APPLIED SCIENCE. DEPT. OF FOOD ECONOMICS AND NUTRITION. Practical cookery and the etiquette and service of the table. Ed. 21, rev., 506 p. Manhattan, 1945. 389.25 K14

#### FORESTRY

19091 ACKERS, C. P. Our woodlands; their sacrifice and renovation. 30 p. London, Torchstream Books, 1945. 99.66 Ac50u



## PLANT SCIENCE

- 19092 CHERKONINA, K. 100 tonn rannel kapusty s geklara [100 tons of early cabbage from a hectare], 31 p. Moskva, Moskovskii bol'shevik, 1945. (Opyt Zven'ev Vysokogo Urozhaiia) 91.42 C41
- 19093 CHEIZHIVSKIĬ, M. G. Vvedenie pravil'nykh sevooborotov v kol'khozakh [Establishment of regular crop rotations on collective farms], 39 p. Moskva, Sel'khozgiz, 1945. 281.179 C43
- 19094 FLOWER, N. Through my garden gate. Ed. 2, 64 p. London, Cassell, 1945. 97 F65
- 19095 THE HERBAL of Rufinus. 476 p. Chicago, U. of Chicago Press, 1946. 452.2 R832  
Edited from the unique manuscript by L. Thorndike, assisted by F. S. Benjamin, Jr.
- 19096 HORSFALL, J. G. Fungicides and their action. Foreword by D. Fairchild. 239 p. Waltham, Mass., Chronica Botanica Co., 1945. (Annales Cryptogamici et Phytopathologici. v. 2) 450 An77
- 19097 MOSOLOV, V. P., SKVORTSOV, I. M., and CHEZHEVSKIĬ, M. G. Agrotekhnika polevykh kul'tur [Agricultural technique of field crops]. 351 p. Moskva, "Sel'khozgiz", 1945. 64 M85
- 19098 NTERGAARD, P. Danish species of Altermaria and Stemphylium; taxonomy, parasitism, economical significance. 560 p. Copenhagen, Munksgaard, 1945. 462.07 N29
- 19099 SHORINA, K. 27 tonn luka-repki s geklara [27 tons of onions from one hectare]. 35 p. Moskva, Moskovskii Bol'shevik, 1945. (Opyt Zven'ev Vysokogo Urozhaiia) 91.44 Sh7
- 19100 SIMONS, A. J. The vegetable grower's handbook. 2 v. Harmondsworth, Middlesex, Eng., Penguin Books, 1945. (Penguin Handbook. S146-147) 91 S15
- 19101 WHITEHEAD, T., MCINTOSH, T. P., and FINDLAY, W. M. The potato in health and disease. Ed. 2, rev. and enl., 400 p. Edinburgh, Oliver, 1945. 75 W582
- 19102 ZOBELL, C. E. Marine microbiology; a monograph on hydrobacteriology. 240 p. Waltham, Mass., Chronica Botanica Co., 1946. (A New Ser. of Plant Sci. Books. v. 17) 448.2 Z73

## SOILS AND FERTILIZERS

- 19103 VAN DERSAL, W. R., and GRAHAM, E. H. The land renewed; the story of soil conservation. 109 p. N. Y., Oxford U. Press, 1946. 56.7 V28

- 19104 VILENSKIĬ, D. G. Agregatsiia pochv. ee teoriia i prakticheskoe prilozhenie [Soil aggregation, its theory and practical application]. 110 p. Moskva, Akademiia Nauk SSSR, 1945. 56.4 V71A

## MISCELLANEOUS

- 19105 ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS. Official and tentative methods of analysis of the Association of Official Agricultural Chemists. Ed. 6, 932 p. Washington, D. C., 1945. 387 As720  
Bibliography at end of most of the sections.  
Analysis of agricultural products, including chapters on soils and fertilizers and insecticides and fungicides.
- 19106 GREGORY, J. S., and SHAVE, D. W. The U. S. S. R., a geographical survey. 636 p. London, Harrap, 1945. 278.179 G86  
Bibliography at end of most chapters.  
Contains chapters on soils, vegetation, and agriculture.
- 19107 MARQUES POLIANO, L. A Sociedade Nacional de Agricultura; resumo histórico. 179 p. Rio, 1942, i. e. 1945. 9.2 S015
- 19108 MURRILL, W. A. A guide to Florida animals. 93 p. Gainesville, The Author, 1945. 412.1 M96  
Vertebrates, mollusks, arthropods.
- 19109 ONTARIO. AGRICULTURAL COMMISSION OF INQUIRY. Report... January 22, 1945. 1 v., various paging, processed. Toronto? 1945. 281.135 On8  
Contents: Organization of the commission; Report on soil conservation; Report on rural credit; Interim report on rural education; Further report on rural education; Report on rural youth organization; Report on northern Ontario; Report on live stock committee; Report on floor prices for farm products; Conclusion.
- 19110 U. S. CONGRESS. SENATE. COMMITTEE ON APPROPRIATIONS. Urgent deficiency appropriation bill for 1946. Hearings... 79th Cong., 2d sess. on H. R. 5458. 198 p. Washington, 1946.  
Includes the Department of Agriculture.
- 19111 WHITE, M. J. D. Animal cytology & evolution. 375 p. Cambridge Eng. U. Press, 1945. 443 W582

## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 19112 A, J. C. Forsøg med frøafgrøder. Tidskr. for Frøavl 17: 136-139. Feb. 10, 1945. 61.8 T43  
Cultivation of grasses and root crops for seeds in Denmark.
- 19113 ABBE, L. B. A rapid histological technic for staining latex in roots of *Taraxacum kok-saghyz*. Stain Technol. 21: 19-22. Jan. 1946. Ref. 442.8 St1
- 19114 ALBERTSON, N. Wahlenbergs färd genom Västergötland 1821. En klassisk växtlokal "emellan Kälfrne och Näs" [Wahlenberg's journey through Västergötland in 1821. A classic locality "between Kälfrne and Näs"]. Bot. Notiser 1945: 20-32. Ref. 450 B656
- 19115 ANDERSEN, J. C. Avlsmaade for sukkerroe- og kaalroefrø; forarsudlæg - sommerudlæg. Tidskr. for Frøavl 17: 335-339. Jan. 10, 1946. 61.8 T43  
Sugar beet and kohlrabi seed culture in Denmark.
- 19116 ANDERSEN, J. C. Frøavlsforsøg i landbo- og husmandsforeningerne 1944. Tidskr. for Frøavl 17: 149-155. Mar. 10, 1945. 61.8 T43  
Cultivation of forage and vegetable crops for seed.
- 19117 BATHURST, N. O. The estimation of the B vitamins: comparison of methods. New Zeal. J. Sci. and Technol. 27: 231-238. Oct. 1945. Ref. 514 N48A  
Methods of estimating vitamins in plants.
- 19118 BRANCH, H. Memories of the Maritimes. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 197-204. Dec. 1945. 84 AL6  
Plants of the Maritime Alps.
- 19119 BROWNELL, L. W. Nature and wild life. Amer. Photog. 40(3): 44-46, 48, 50. Mar. 1946. 332.8 Am3  
Description of the catkin-bearing trees.
- 19120 C., F. C. More stories in plant names. Seed World 59(4): 40-41. Feb. 15, 1946. 61.8 Se52
- 19121 CAMP, W. H. The Surucucho. N. Y. Bot. Gard. J. 47: 25-31. Feb. 1946. 451 N48J  
Collecting plants in Ecuador.
- 19122 CARLTON, R. M. Where common names confuse. Better Homes & Gard. 24(7): 68-70. Mar. 1946. 80 T424  
A plea for use of botanical names for plants.
- 19123 CUNDT, P. F. A comparison of ancient and modern Sequoia wood. Madroño 8: 145-152. Jan. 1946. Ref. 450 M26
- 19124 DALLIMORE, W. The National Pinetum, Redgubury, Kent, 1925-1945. Q. J. Forestry 40: 5-20. Jan. 1946. 99.8 Q2
- 19125 FOSBERG, F. R., and DIEHL, W. W. Present status of foreign herbaria and museums. Science 103: 282-283. Mar. 1, 1946. 470 Sc12
- 19126 GATES, F. C. Kansas botanical notes: 1944. Kans. Acad. Sci. Trans. 48: 165-168. Sept. 1945. 500 K13T  
Early blooming dates.
- 19127 GRECO, J. B., and PEREIRA, O. M. Alergia polínica; Estudo qualitativo e quantitativo dos polens da atmosfera de Goiania. Brasil-Med. 59: 365-367. Oct. 20/27, 1945. 448.8 B73
- 19128 HAGEN, V. W. VON. Central American cloud jungles. Canad. Geog. J. 32: 116-123. Mar. 1946. 470 G162  
Jungle vegetation in Central America.
- 19129 HALL, E. C. 1945-1946 garden books. Libr. J. 71: 365-372, 377, 393. Mar. 15, 1946. 243.8 L61
- 19130 HANBURY, D. La Mortola [Botanic Garden]. Roy. Hort. Soc. J. 71: 67-68. Mar. 1946. 84 L84J
- 19131 HAWKES, A. D. Notes from Rio. Orchid Digest 4, i. e. 9, : 364-366. Oct./Dec. 1945. 80 Or172  
Vegetation observed at Rio de Janeiro.
- 19132 HOGEBOOM, G. H., and CRAIG, L. C. Identification by distribution studies; VI. Isolation of antibiotic principles from *Aspergillus ustus*. J. Biol. Chem. 162: 363-368. Feb. 1946. 381 J824
- 19133 HORNELL, J. How did the sweet potato reach Oceania? Linn. Soc. London J. 53: 41-62. Feb. 28, 1946. Ref. 451 L645
- 19134 LOEWING, W. F. Recent advances in the plant sciences. Kans. Acad. Sci. Trans. 48: 119-133. Sept. 1945. Ref. 500 K13T
- 19135 MATHER, K. Genetics and taxonomy in India. Nature [London], 157: 166. Feb. 9, 1946. 472 N21  
With reference to botany.
- 19136 MOYER, A. J., and COGHILL, R. D. Penicillin VIII-IX. J. Bact. 51: 57-93. Jan. 1946. Ref. 448.3 J82
- VIII. Production of penicillin in surface cultures. IX. The laboratory scale production of penicillin in submerged cultures by *Penicillium notatum* Westling (NRRL 832).
- 19137 NEKRASOVA, v. L. K istorii Botanicheskogo sada Akademii Nauk (Contribution à l'histoire du Jardin Botanique de l'Académie). Sovet. Bot. 13(2): 13-37. 1945. 450 So8
- 19138 PURI, G. S. The occurrence of *Parrotia Jacquemontiana* Dene. in the Pleistocene of Kashmir. Cur. Sci. 15: 13-14. Jan. 1946. Ref. 475 Sci23
- 19139 RANSON, N. R. Wild plants in Texas. South. Home and Gard. 13(8): 2. Mar. 1946. 80 So824
- 19140 RATCLIFF, H. Marsh and roadside burning. New England Homestead 119(5): 2. Mar. 9, 1946. 6 N442
- 19141 ROSEINS, G. T. The Eddy Arboretum. Green Thumb 2: 13. Jan. 1945. 80 G82
- 19142 SALAMAN, R. N. The early European potato: its character and place of origin. Linn. Soc. London J. 53: 1-27. Feb. 28, 1946. 451 L645
- 19143 SARTORY, A., and MEYER, J. Sur un facteur bactériostatique des tomates fraîches et desséchées. Paris. Acad. des Sci. Compt. Rend. 222: 151-153. Jan. 7, 1946. 505 P21
- 19144 SELLING, O. H. A megaspore from the Mesozoic of Hope Island, Svalbard. Bot. Notiser 1945: 44-48. 450 B656
- 19145 SCHRODER, H. E. Hanging gardens. Nature Mag. 39: 140-141. Mar. 1946. 409.6 N214  
Epiphytes in Florida.
- 19146 SHISHKIN, B. K. Botanicheskii Institut im. Akad. V. L. Komarova Akademii Nauk SSSR (Institut Botanique Komarov de l'Académie des Sciences d'URSS). Sovet. Bot. 13(2): 5-12. 1945. 450 So8
- 19147 SKUTCH, A. F. Palm forests. Nature Mag. 39: 135-136. Mar. 1946. 409.6 N214
- 19148 STOCKTON, H. Plant hunting. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 220-221. Dec. 1945. 84 AL6  
Followed by note by W. E. T. Ingwersen.
- 19149 TAPPE, V. F. A rapid method for isolating single ascospores from apothecia. Phytopathology 36: 167-168. Feb. 1946. 464.8 F56
- 19150 VAN DIJK, W. Notes on some plant introductions in the seventeenth century. Roy. Hort. Soc. J. 71: 69-72. Mar. 1946. 84 L84J
- 19151 VELU, H., and others. Pléomorphisme du *Penicillium notatum* et potentialité antibiotique. Paris. Acad. des Sci. Compt. Rend. 222: 406-408. Feb. 11, 1946. 505 P21  
J. Comandon, P. de Fonbrune, and M. M. Janot, joint authors.
- 19152 WEINLING, R. Microbial antagonism and disease control. Soil Sci. 61: 23-30. Jan. 1946. Ref. 56.8 So3  
Antibacterial action of several fungi studied.



## SYSTEMATIC AND GEOGRAPHIC BOTANY

General

19163 ANDERSON, J. P. Flora of Alaska and adjacent parts of Canada. IV. Iowa State Col. J. Sci. 20: 213-257. Jan. 1946. 470 109

19164 BEAN, R. C., KNOWLTON, C. H., and HILL, A. F. Ninth report of the Committee on Plant Distribution. Rhodora 48: 17-27. Feb. 1946. 450 R34

Preliminary lists of New England plants - XXXIV.

19165 BREISTROFFER, M. Sur une nouvelle station de plantes relictuelles dans les Baronnies (Basses-Alpes). Paris. Acad. des Sci. Compt. Rend. 222: 239-240. Jan. 21, 1946. 505 P21

19166 CARTER, A. Type localities [of plants] and man-made lakes. Madroño 8: 176. Jan. 1946. 450 M26

Collecting plants from type localities before these localities are submerged by artificial lakes.

19167 GERTZ, O. Bidrag till Skånes flora. 32. Pehr Osbeck och Skånefloran [Contribution to the flora of Scania. 32. Pehr Osbeck and the Scania flora]. Bot. Notiser 1945: 317-329. Ref. 450 B656

19168 GILMOUR, J. S. L. Ten days on West Loch Tarbert. North West. Nat. 20: 34-37. Mar./June 1945. 410 N81

A botanical trip.

19169 MACDOUGALL, T. Travels in the Chontal of Oaxaca: habitat observations of some Pacific Slope orchids. Amer. Orchid Soc. B. 14: 418-422. Mar. 1, 1946. 80 Am329

19170 MAIRE, R. La flore de l'Afrique du Nord. Paris. Acad. des Sci. Compt. Rend. 222: 209-210. Jan. 21, 1946. 505 P21

19171 MUENSCHER, W. C. The California big tree [Sequoia gigantea] at Aurora, New York. N. Y. Bot. Gard. J. 47: 40-42. Feb. 1946. 451 N48J

19172 SJÖGREN, J. Bidrag till Skånes Flora. 33. Floran i Hjärsås [Contribution to the flora of Scania. 33. Flora of Hjärsås]. Bot. Notiser 1945: 425-429. Ref. 450 B656

19173 WALKER, E. H. Additional introduced plants in the Aleutian Islands. Torrey Bot. Club B. 73: 204-205. Mar. 1946. 451 T63B

19174 ZEINER, H. M. Botanical survey of the Angel Mounds site, Evansville, Indiana. Amer. J. Bot. 33: 83-90. Jan. 1946. Ref. 450 Am36

Spermatophytes

19175 BARROS, M. Ciperaceas argentinas. IV. Mus. Argentino de Cien. Nat. "Bernardino Rivadavia." An. 41: 323-479. Mar. 29, 1945. 516 B86A

19176 BARROS, M. Una ciperacea nueva [Calyptracarya longifolia, para el Paraguay. Lilloa 11: 15-17. Sept. 1945. 450 L62

English summary.

19177 BEETLE, A. A. A new alpine Glyceria from California. Madroño 8: 160-161. Jan. 1946. 450 M26

19178 BLAKE, S. F. A new Chaetopappa from the Guadalupe Mountains of New Mexico and Texas. Wash. Biol. Soc. Proc. 59: 47-48. Mar. 11, 1946. 500 W272

Chaetopappa hersheyi.

19179 BOR, N. L., and RAIZADA, M. B. Some beautiful Indian climbers and shrubs. XXI. Bombay Nat. Hist. Soc. J. 45: 451-461. Dec. 1945. 513 B63

19180 CAIUS, J. F. The medicinal and poisonous sterculiads of India. Bombay Nat. Hist. Soc. J. 45: 576-586. Dec. 1945. 513 B63

19181 CASTELLANOS, A. Bromeliaceae argentinae novae vel criticae. VI. Lilloa 11: 135-151. Sept. 1945. Ref. 450 L62

19182 CROIZAT, L. Winter identification in the rue Rutaceae, family. Amer. Nurseryman 83(2): 11-13. Jan. 15, 1946. 80 Am371

19173 DAHLGREN, K. V. O. Nya meddelanden om Geranium bohemicum och Geranium lanuginosum (Neue mitteilungen über Geranium bohemicum und Geranium lanuginosum). Bot. Notiser 1945: 381-389. 450 B656

German summary.

19174 DEGELIUS, G. Om förekomsten av Trifolium montanum L. på Kinnekulle. Occurrence of Trifolium montanum L. in Kinnekulle. Bot. Notiser 1945: 173. 450 B656

19175 EIFRIG, C. W. G. Some Florida bryophyllums. Amer. Bot. 51: 66-68. July 1945. 450 Am33

19176 ELLISON, N. F. Re-appearance of Vicia lutea in Cheshire. North West. Nat. 20: 73. Mar./June 1945. 410 N81

19177 FERNALD, M. L. Does Habenaria cristata still grow in New England? Rhodora 48: 64. Mar. 1946. 450 R34

19178 FERNALD, M. L. Technical studies on North American plants. Rhodora 48: 27-40, 41-60. (Cont.) Feb., Mar. 1946. 450 R34

Contributions from the Gray Herbarium of Harvard University - No. CLX.

19179 GALLO, PERE C. LE. Le Calluna vulgaris L. dans l'Amérique du Nord. Nat. Canad. 72: 309-311. Nov./Dec. 1945. Ref. 410 N216

19180 GERTZ, O. Misteln i Skåne. Ett tillägg [Viscum album in Scania. A supplement]. Bot. Notiser 1945: 169-173. 450 B656

19181 HÄKANSSON, T. Orobanche major L. Ofrivilligt implanterad i Växjö. Orobanche major L. occurring spontaneously in Växjö. Bot. Notiser 1945: 465-466. 450 B656

19182 HANES, C. R., and OWNREY, M. Some observations on two ecological races of Allium tricoccum in Kalamazoo County, Michigan. Rhodora 48: 61-63. Mar. 1946. 450 R34

19183 HAEFER, F. The name of the royal palm [Roystonea elata]. Wash. Biol. Soc. Proc. 59: 29-30. Mar. 11, 1946. 500 W272

19184 HERMANN, F. J. Muhlenbergia setosa an untenable name. Rhodora 48: 63-64. Mar. 1946. 450 R34

Muhlenbergia glomerata cinnoides.

19185 WITCHCOCK, L. C. The South American species of Lepidium. Lilloa 11: 75-134. Sept. 1945. 450 L62

19186 HULL, E. D. Notes on two yellow violets [Viola pubescens, V. eriocarpa]. Amer. Bot. 52: 18-19. Jan. 1946. 450 Am33

19187 HULTÉN, E. Studies in the Potentilla nivea group. Bot. Notiser 1945: 127-148. 450 B656

19188 HYLANDER, N. Ytterligare tillägg och rättelser till förteckning över Skandinavien växter. 1. Kärlväxter (1941) [Further supplement and corrections to the list of Scandinavian plants. 1. Vascular plants]. Bot. Notiser 1945: 445-460. Ref. 450 B656

19189 KRAINZ, H. Neue und seltene kaktusen aus der städtischen sukkulenten-sammlung Zürich. Schweiz. Gart., No. 10, p. 279-282. (Cont.) Oct. 1945. 80 Sch93

N. spp.: Pseudolobivia kermesina; Parodia rigidi-

spina.

19190 LARE, A. D. Chaos dans les noms scientifiques, etc. II-V. Abeille et l'Eclair 14: 137-138; 15: 5-6, 17-18. (Concl.) Dec. 1945, Jan., Feb. 1946. 424-8 Ab32

Canadian maples.

19191 LEIGHTON, F. M. A revision of the South African species of Ornithogalum L. Part III. J. So. African Bot. 11: 135-189. Oct. 1945. 450 J8262

Many new species.

19192 LEROY, J. F. Sur l'existence à Madagascar d'un Aphananthe, genre d'ulmacee d'Extrême-Orient et d'Australie orientale. Paris. Acad. des Sci. Compt. Rend. 221: 449-451. Oct. 15, 1945. 505 P21

19193 MARTIN, J. S. Notes on Trifolium eriocephalum Nuttall. Madroño 8: 152-157. Jan. 1946. 450 M26



19194 METCALF, W. Another pyramidal specimen of *Juniperus occidentalis*. *J. Forestry* 44: 57-58. Jan. 1946. 44.8 F768

*J. occidentalis richardsoni*.

19195 MIROV, N. T. Pinus: a contribution of turpentine chemistry to dendrology and forest genetics. *J. Forestry* 44: 13-16. Jan. 1946. Ref. 99.8 F768

Taxonomic and genetic point of view.

19196 MONACHINO, J. A revision of *Hancornia* (Apocynaceae). *Lilloa* 11: 19-48. Sept. 1945. 450 L62

References, p. 42-48.

19197 MONACHINO, J. A revision of *Macoubea* and the American species of *Landolphia* (Apocynaceae). *Lloydia* 8: 291-317. Dec. 1945. Ref. 44.8 L77

19198 MÜNTZING, A. *Lactuca tatarica*-bestandet vid Nørsham. *Bot. Notiser* 1945: 122-123. 450 B656

19199 MURBECK, S. Eine neue marokkanische *Celsia* nebst Übersicht über die mediterranen Arten der Gruppe *Macrantherae*. *Bot. Notiser* 1945: 109-113. 450 B656

*Celsia rhizophora* n. sp.

19200 PARKIN, J. The classification of flowering plants. *North West. Nat.* 20: 18-27. Mar./June 1945. 410 N81

19201 PARLIN, J. C. *Lythrum alatum* in Maine. *Rhodora* 48: 40. Feb. 1946. 450 R34

19202 RICKER, P. L. New Asiatic species of the legume genus *Campylotropis*. *Wash. Acad. Sci. J.* 36: 37-40. Feb. 15, 1946. 500 W276J  
Eleven species described.

19203 SCHULTES, R. E. Aprovechamiento científico de una riqueza natural colombiana. *Agr. Trop.* 1(12): 31-42. Jan. 1946. 26 Ag8

*Hevea brasiliensis* subconcolor.

19204 SCHWEINFURTH, C. A new South American *Oncidium* [O. *ovatilabium*]. *Amer. Orchid Soc. B.* 14: 384-386. Feb. 1, 1946. 80 Am329

19205 SELANDER, S. Ny svensk förekomst av *Potentilla emarginata* Pursh. New Swedish locality for *Potentilla emarginata* Pursh. *Bot. Notiser* 1945: 164-166. 450 B656

19206 SHERFF, E. E. Remarks upon certain Hawaiian Labiales and Compositae. *Torrey Bot. Club B.* 73: 184-193. Mar. 1946. 451 T63B

19207 SVENONIUS, E. Gräslan som strandväxt vid Bottniska Viken (den svenska sidan) [Alder as a strand plant in the Bottniska inlet (on the Swedish side)]. *Bot. Notiser* 1945: 166-169. 450 B656

19208 SVENSSON, G. *Nuphar pumilum* (Timm) DC. i Värmland. *Bot. Notiser* 1945: 123. 450 B656

19209 SYLVÉN, N. *Quercus petraea* (Matt.) Liebl. (= *Q. sessiliflora* Salisb.) beståndsbildande i Skälleruds skog i Dalsland [*Quercus petraea* (Matt.) Liebl. (= *Q. sessiliflora* Salisb.) a stand in Skälleruds parish in Dalsland]. *Bot. Notiser* 1945: 175-176. 450 B656

19210 THARP, B. C., and BARKLEY, F. A. Noteworthy plants of Texas - V. Additional Psoraleae. *Torrey Bot. Club B.* 73: 131-133. Mar. 1946. 451 T63B

New spp.: *Psoralidium youngiae* and *Parosela walkerae*.

19211 WEIMARCK, H. Experimental taxonomy in *Aethusa cynapium*. *Bot. Notiser* 1945: 351-380. Ref. 450 B656

19212 WHERRY, E. T. The *Gilia aggregata* group. *Torrey Bot. Club B.* 73: 194-202. Mar. 1946. 451 T63B

19213 WILLIAMS, L. O. Flora of Panama. Part III. Fescicle 2. Orchidaceae. *Mo. Bot. Gard. Ann.* 33: 107-246. Feb. 1946. 451 M60

19214 WILLIAMS, L. O. Notes on the family Coriaceae. *Harvard U. Bot. Mus. Leaflet* 12: 179-183. Feb. 8, 1946. 451 E262

19215 WILLIAMS, L. O. Orchidaceae Novae Guineae. I. *Harvard U. Bot. Mus. Leaflet* 12: 149-177. Feb. 8, 1946. 451 E262

## Pteridophytes

19216 ENGSTEDT, M. *Asplenium adiantum nigrum* L. i Gladax socken i Skåne. *Bot. Notiser* 1945: 463. 450 B656

19217 HIGMAN, H. W. Lemmon's shield-fern, *Polystichum lemmonii*. *Nature Mag.* 39: 117. Mar. 1946. 409.6 N214

19218 HULL, E. D. Abnormal *Lycopodium inundatum*. *Amer. Bot.* 52: 15-16. Jan. 1946. 450 Am33

19219 LOOSER, G. Lista provisional de las pteridofitas (helechos) de la Provincia de Coquimbo, Chile. *Lilloa* 11: 55-73. Sept. 1945. 450 L62

19220 LOOSER, G. Sobre la pteridofita argentino-chilena *Lycopodium confertum*. *Lilloa* 11: 1-13. Sept. 1945. Ref. 450 L62

English summary.

## Bryophytes

19221 BARTRAM, W. B. New mosses from Tierra del Fuego. *Farlowia* 2: 309-319. Jan. 1946. 450 F22

Many new species.

19222 DORE, W. G. Sites for club-moss [*Lycopodium*] prothallia in Nova Scotia. *Canad. Field-Nat.* 59: 172-173. Sept./Oct. 1945. 410.9 Ot8

19223 FRYE, T. C., and DUCKERING, M. E. *Pogonatum convolutum*. *Bryologist* 49: 36-40. Mar. 1946. 450 B84

19224 GROUT, A. J. *Physcomitrium haringiae* n. sp. *Bryologist* 49: 34-36. Mar. 1946. 450 B84

19225 HEDBERG, O. En ny uppländsk lokal för *Rhytidium rugosum* (Hedw.) Lindb. *Bot. Notiser* 1945: 461-463. Ref. 450 B656

19226 JONES, E. W. Notes on the bryophyte flora of Grimsey and other parts of north Iceland. *Bryologist* 49: 14-29. Mar. 1946. Ref. 450 B84

19227 KRUSENSTJERN, E. VON. Bladmossvegetation och bladmossflora i Uppsalatrakten (Moss flora and moss vegetation in the neighbourhood of Uppsala). *Acta Phytogeog. Suecica*, No. 19, 250 p. Uppsala, 1945. 451 Ac82

English summary.

19228 LEFAGE, ABBÉ E. Les lichens, les mousses et les hépatiques du Québec. *Dicranacées*. *Nat. Canad.* 72: 315-338. Nov./Dec. 1945. 410 N216

19229 LOWRY, R. J., and STEERE, W. C. A propaguliferous form of *Aulacomnium heterostichum*. *Bryologist* 49: 30-32. Mar. 1946. 450 B84

19230 LUISIER, A. Les mousses de l'Archipel de Madère et en général des îles Atlantiques. *Broteria* 14: 156-176. Nov. 1945. 410 B79C

19231 MOXLEY, E. A. Moss notes from Ontario. *Bryologist* 49: 33-34. Mar. 1946. 450 B84

19232 SAYRE, G. The taxonomic rank of *Grimmia alpicola*. *Bryologist* 49: 3-7. Mar. 1946. Ref. 450 B84

19233 SCHORNHERST, R. O. The mosses of Georgia - II. The Coastal Plain. *Torrey Bot. Club B.* 73: 155-166. Mar. 1946. 451 T63B

19234 SHARP, A. J. Bryological notes from Mexico, II. *Bryologist* 49: 13. Mar. 1946. 450 B84

19235 SOWTER, F. A. Notes on and additions to the bryophytes of Leicestershire and Rutland. *North West. Nat.* 20: 49-51. Mar./June 1945. 410 N81

19236 STEERE, W. C. *Syrrophodon simmondsii*, a new species from Trinidad. *Bryologist* 49: 8-10. Mar. 1946. 450 B84

## Algae

19237 BISWAS, K. General review of the marine algae of the western coast of India. *Bombay Nat. Hist. Soc. J.* 45: 515-530. Dec. 1945. 513 B63

19238 BURKE, F. New variety of *Ulothrix*. *North West. Nat.* 20: 73. Mar./June 1945. 410 N81

19239 CHANDLER, D. C., and WEEKS, O. E. Limnological studies of western Lake Erie. V. Relation of limnological and meteorological conditions to the production of phytoplankton in 1942. *Ecol. Monog.* 15: 435-456. Oct. 1945. 410 Wc72



19240 HASSLOW, O. J. Einige characeenbestimmungen. IV. Bot. Notiser 1945: 121. 450 B656

19241 JANE, F. W. A revision of the genus Harpochytrium. Linn. Soc. London J. 53: 28-40. Feb. 28, 1946. Ref. 451 L645

19242 FIPNER, W. A list of algae chiefly from the alpine zone of Longs Peak, Colorado. Madroño 8: 161-173. Jan. 1946. 450 M26

19243 WHELDEN, R. M. Note on Argentine Charas. Farlowia 2: 305-308. Jan. 1946. Ref. 450 F22

#### Fungi (Including Lichens)

19244 APLNER, S. Några lavar från Västergötland och Småland. New lichens from Västergötland and Småland. Bot. Notiser 1945: 117-121. Ref. 450 B656

19245 BRODIE, H. J. Further observations on the mechanism of germination of the conidia of various species of powdery mildew (Erysiphaceae), at low humidity. Canad. J. Res. Sect. C, Bot. Sci. 23: 198-211. Dec. 1945. Ref. 470 C16C

19246 BROOKS, T. E. A new species of Myxomycetes (Perichaena syncarpon). Mycologia 38: 110-112. Jan./Feb. 1946. 450 M99

19247 CUTTER, V. M., JR. The genus Cunninghamiella (Mucorales). Farlowia 2: 321-338. Jan. 1946. Ref. 450 F22

19248 DAVIS, B. H. Guignardie rhodora, the perfect stage of Phyllosticta maxima on rhododendron. Mycologia 38: 40-51. Jan./Feb. 1946. Ref. 450 M99

19249 DEGELIUS, G. Ett sydberg i Kebnekaiseområdet och dess levflora (Ein südberg in Kebnekaise-Gebiet und seine flechtenflora). Bot. Notiser 1945: 390-412. Ref. 450 B656  
German summary.

19250 DRECHSLER, C. A clamp-bearing fungus (Nematostomus haptocladus n. sp.), parasitic and predaceous on nematodes. Mycologia 38: 1-23. Jan./Feb. 1946. Ref. 450 M99

19251 GELTING, P. Buellia canescens (Dicks.) DNot. i Skåne [Buellia canescens (Dicks.) DNot. in Scania]. Bot. Notiser 1945: 464. 450 B656

19252 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Edible and poisonous fungi. Gt. Brit. Min. Agr. and Fisheries B. 23, ed. 6, 35 p. London, 1945. 10 G794B

19253 GRELET, N. Sporulation d'une souche de Bacillus megatherium par epuisement soit du fer, soit du carbone, soit de l'azote en milieu synthétique. Paris. Acad. des Sci. Compt. Rend. 222: 418-420. Feb. 11, 1946. 505 P21

19254 HAMMARLUND, C. Beiträge zur revision einiger imperfekten mehltauarten. Erysiphe polyphaga nov. sp. Bot. Notiser 1945: 101-108. 450 B656

19255 HUNGATE, R. E. Studies on cellulose fermentation. II. An anaerobic cellulose-decomposing actinomycete, Micromonospora propionica, n. sp. J. Bact. 51: 51-56. Jan. 1946. Ref. 448.3 J82

19256 JENKINS, A. E., and BITANCOURT, A. A. Elsinore puertoricensis n. sp., on Randia. Mycologia 38: 65-68. Jan./Feb. 1946. 450 M99

19257 JONES, R. C. Factors affecting the production of resistant sporangia of Allomyces arbuscula. Mycologia 38: 91-102. Jan./Feb. 1946. Ref. 450 M99

19258 KARLING, J. S. Two new chytrid parasites of Chytridiomycetes. Mycologia 38: 103-109. Jan./Feb. 1946. Ref. 450 M99

Rhizophydium chytridiomycii n. sp. and Rozella chytridiomycii n. sp.

19259 KIMMEY, J. W. Notes on visual differentiation of white pine blister rust (Cronartium ribicola), from pinyn rust (C. occidentale), in the telial stage. Plant Dis. Rptr. 30: 59-61, processed Feb. 15, 1946. 1.9 P69P

19260 LONG, W. H. Studies in the Gasteromycetes XII. Five species of Tylostoma with membranous exoperidia. Mycologia 38: 77-90. Jan./Feb. 1946. Ref. 450 M99

Includes n. spp. T. xerophilum and T. parvisincum.

19261 MALENÇON, G. L'ontogénèse des formes sporales complexes chez les hyménomycètes. Paris. Acad. des Sci. Compt. Rend. 221: 425-427. Oct. 8, 1945. 505 P21

19262 MURRILL, W. A. More Florida fungi. Lloydia 8: 263-290. Dec. 1945. 442.8 L77

19263 MURRILL, W. A. Notes on Florida fungi. Mycologia 38: 113-114. Jan./Feb. 1946. 450 M99

19264 NEARING, G. G. Notes on the lichen Arthonia impolita. Bryologist 49: 11. Mar. 1946. 450 B84

19265 ROBERTS, C. A comparative study of Torulopsis pulcherrima and Taphrina deformans in culture. Farlowia 2: 345-383. Jan. 1946. Ref. 450 F22

19266 SHEAR, C. L. Studies of types and authentic specimens of Hypoxylon - I. Lloydia 8: 245-262. Dec. 1945. 442.8 L77

19267 SOWTER, F. A. Cumberland and Westmorland lichens. North West. Nat. 20: 74-75. Mar./June 1945. 410 N81

19268 SOWTER, F. A. Thelidium aethioboloides Zschacke, a lichen new to the British Isles. North West. Nat. 20: 73-74. Mar./June 1945. 410 N81

19269 SPRAGUE, R. Additions to the Fungi Imperfecti on grasses in the United States. Mycologia 38: 52-64. Jan./Feb. 1946. Ref. 450 M99  
Includes Septoria digitarivora n. sp.

19270 STEVENSON, J. A. A nomenclatorial discussion of Ustilago striiformis. Plant Dis. Rptr. 30: 53-59, processed. Feb. 15, 1946. 1.9 P69P

19271 TRUSCHENDE gift- und speise-pilze. Schweiz. Gart., No. 10, 286-292. Oct. 1945. 80 Sch93

19272 TAI, F. L. Further studies on the Erysiphaceae of China. Torrey Bot. Club B. 73: 108-130. var. 1946. 451 T63B

New species in Microsphaera and Uncinula.

19273 TEIXEIRA, A. R. Himenomicetos brasileiros: Auriculariales e Dacryomycetales. Bragantia 5: 153-186. Feb. 1945. 102.5 B73Tb

19274 VIEGAS, A. P. Alguns fungos do Brasil. IV-V. Bragantia 5: 1-144, 197-212. Jan., Mar. 1945. 102.5 B73Tb

IV. Uredinales; V. Basidiomycetos-Auriculariales.

19275 WHETZEL, H. H. The cypericolous and juncicolous species of Sclerotinia. Farlowia 2: 385-437. Jan. 1946. Ref. 450 F22

19276 ZUCK, R. K. Isolates intermediate between Stachybotrys and Memnoniella. Mycologia 38: 69-76. Jan./Feb. 1946. Ref. 450 M99

#### PATHOLOGY

##### General

19277 ALBERTSON, F. W., and WEAVER, J. E. Injury and death or recovery of trees in prairie climate. Ecol. Monog. 15: 393-433. Oct. 1945. Ref. 410 Ec72

19278 ARRUDA, S. C. As doenças da cana de açúcar no Estado de São Paulo. Biológico 11: 309-315. (To be cont.) Dec. 1945. 442.8 B529

19279 BEACH, W. S. Pathogenic and physiogenic damping-off. Soil Sci. 61: 37-46. Jan. 1946. Ref. 56.8 S63

19280 BJÖRLING, K., and NILSSON, L. Bakteriell hagelskottsjuka på plommon. Sweden. Statens Värtskyddsanst. Värtskyddsnotiser, No. 6, p. 81-84. Dec. 1, 1945. 464.9 Sw3V

Shot hole disease of plums due to various causes.

19281 BJÖRLING, K. Fortsatta rön angående en nyligen beskriven Äpplesjukdom. Sweden. Statens Värtskyddsanst. Värtskyddsnotiser, No. 6, p. 92-94. Dec. 1, 1945. 464.9 Sw3V

Apple rot caused by fungi and weather.

19282 BLODGETT, M. C. Observations on blasting of onion seed heads in Idaho. Plant Dis. Rptr. 30: 77-81, processed. Mar. 15, 1946. Ref. 1.9 P69P

Discussion of causes.

19283 BOWERS, J. L., and PRESLEY, J. T. Resistance shown by tomato lines to stem blight. Miss. Farm Res. [Miss. Sta.] 9(1): 8. Jan. 1946. 100 M69M1



- 19284 BRANDES, G. A., and SWISHER, E. M. Spray and dust treatments of potato demonstration plots, 1945. N. Dak. Agr. Expt. Sta. Bimo. B. 8(3): 33-39. Jan./Feb. 1946. Ref. 100 N813B
- 19285 BROCKIE, W. B. Snow damage in Christchurch Botanic Gardens. New Zeal. Inst. Hort. J. 15(2): 7-8. Jan. 1946. 87 M485J
- 19286 COOLEY, J. S. Root diseases of deciduous fruit trees. Bot. Rev. 12: 83-100. Feb. 1946. Ref. 450 B6527
- 19287 COURANJOU, A. Sur une maladie des melons et pastèques. Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc, 15: 266. Dec. 1945. 80 R482
- 19288 CROSIER, W. Chemical control of seed-borne fungi during germination testing of peas and sweet corn. Phytopathology 36: 92-99. Feb. 1946. Ref. 464.8 P56
- 19289 DAINES, R. H. Control of plant diseases by use of inorganic soil amendments. Soil Sci. 61: 55-66. Jan. 1946. Ref. 56.8 So3  
Sulfur, lime, mercury, and copper used.
- 19290 DAVIS, B. H., and HAWSELER, C. M. Sweet corn seed treatments. N. J. Agr. Expt. Sta. Plant Dis. Notes 23: 1-4, processed. Jan. 1946. 464.9 N46P
- 19291 FENNE, S. B. Corn stalk rots caused severe damage in Virginia in 1945. Plant Dis. Rptr. 30: 62, processed. Feb. 15, 1946. 1.9 P69P
- 19292 FLETCHER, H. L. V. Garden rusts and blights. Field 187: 280. Mar. 9, 1946. 10 F45
- 19293 FRIEDRICH, W. Les enseignements de la gelée de 1945; la résistance de quelques variétés de fruits à pépins. Rev. Hort. Suisse 18: 206-209. Oct. 1945. 80 R3212
- 19294 GALLAY, R., STAVHELIN, M., and TRIVELLI, G. La lutte contre le mildiou de la vigne; les divers types de bouillies cupriques. Rev. Romande d'Agr., de Vitic. et d'Arbor., No. 11, p. 3-5. Nov. 1945. 17 J82A
- 19295 GARRETT, S. D. Soil as a medium for transfer and multiplication of disease organisms. Soil Sci. 61: 3-8. Jan. 1946. Ref. 56.8 So3
- 19296 GREANEY, F. J., and MACHACEK, J. E. The prevalence and control of seed-borne diseases of cereals in Manitoba. Sci. Agr. 26: 59-78. Feb. 1946. Ref. 7 Sci2
- 19297 GROVES, A. B. Choosing a sulphur fungicide. East. Fruit Grower 8(12): 24, 27, 30-31. Feb. 1946. 80 Ea73
- 19298 HAWSELER, C. M. Seedling blight of asparagus. N. J. Agr. Expt. Sta. Plant Dis. Notes 23: 5-8, processed. Feb. 1946. 464.9 N46P
- 19299 HILBORN, M. T. Winter injury to apple trees. New England Homestead 119(5): 24-25. Mar. 9, 1946. 6 M442
- 19300 HOPKINS, J. C. F. The importance of seed disinfection of ground nuts. Rhodesia Agr. J. 42: 432-433. Sept./Oct. 1945. 24 R34
- 19301 JENSEN, J. H. Why less disease in Irish potatoes in 1945?—eastern North Carolina lost heavily in '43 and '44 but had very little disease loss in 1945. Res. and Farming. [N. C. Sta.] Prog. Rpt. 4(2): 11. Jan. 1946. 100 N81R
- 19302 JOHNSTON, J. C. Diseases of citrus. Citrus Leaves 26(3): 39, 42. Mar. 1946. 80 C492
- 19303 KARRHLS, M. C. Peony ramblings. Amer. Peony Soc. B. 100, p. 50-53. Dec. 1945. 81 Am38B  
Includes diseases.
- 19304 KREUTZER, W. A., and LANE, G. H. The cull pile problem. Spud Notes 3(9): 4-5, processed. Jan. 1946. 75.8 Sp9  
Prevention of disease.
- 19305 LOUW, A. J. Green rot in apricots; measures to control disease causing damage in Western Province. Farmer's Weekly [Bloemfontein] 70: 1089. Jan. 2, 1946. 24 F285
- 19306 MCCOLLOCH, L. P., POSTER, H. H., and LUTZ, J. M. Observations on Mississippi tomato diseases during 1945. Plant Dis. Rptr. 30: 81-87, processed. Mar. 15, 1946. 1.9 P69P
- 19307 MCCUBBIN, W. A. Preventing plant disease introduction. Bot. Rev. 12: 101-139. Feb. 1946. Ref. 450 B6527
- 19308 MENDIZABAL, M. Las ondas cortas en fitopatología. Agricultura [Madrid] 14: 610-615. Dec. 1945. 15 Ag84  
Includes effect on insects.
- 19309 MILBRATH, D. G. Quick decline of orange trees. Citrus Leaves 26(3): 36. Mar. 1946. 80 C492
- 19310 MILLER, P. R. Some psychological aspects involved in conducting plant disease surveys: personal bias a factor to be reckoned with in estimating and evaluating plant disease losses. Plant Dis. Rptr. 30: 74-77, processed. Mar. 15, 1946. 1.9 P69P
- 19311 MILLER, P. W. Nut diseases in Oregon in 1945. Plant Dis. Rptr. 30: 87-88, processed. Mar. 15, 1946. 1.9 P69P
- 19312 MILLIMAN, L. H. Spray recommendations for 1946 from 20th annual Western Co-operative Spray Project Conference. Better Fruit 40(8): 11-12. Feb. 1946. 80 B46
- 19313 MUNRO, J. A., and HOYMAN, W. G. Evaluation of various spray and dust materials in the control of insects and of the fungus causing early blight of potatoes. N. Dak. Agr. Expt. Sta. Bimo. B. 8(3): 23-30. Jan./Feb. 1946. 100 N813B
- 19314 O'BRIEN, H. R. Spray is a wonderful thing...if you want to grow fruit at home. Country Gent. 116(3): 36-37. Mar. 1946. 6 C833
- 19315 POWELL, D. Organic fungicides and their role in apple spray schedules. Ill. State Hort. Soc. News Let. 1, p. 1. Feb. 1946. 81 116N  
Fermate, Puritized N-5E, and Phygion.
- 19316 PRESTON, D. A. Legume diseases previously unreported from Oklahoma. Plant Dis. Rptr. 30: 45-46, processed. Feb. 15, 1946. 1.9 P69P
- 19317 SANFORD, G. B. Soil-borne diseases in relation to the microflora associated with various crops and soil amendments. Soil Sci. 61: 9-21. Jan. 1946. Ref. 56.8 So3
- 19318 SHIFMAN, S. L. Frost injury to citrus fruits and the conditions favouring its occurrence in Palestine. Palestine J. Bot., Rehovot Ser. 5: 96-105. Sept. 1945. Ref. 450 P172
- 19319 STEVENSON, F. J. Breeding potatoes resistant to disease. Natl. Hort. Mag. 25: 18-28. Jan. 1946. 80 N216
- 19320 SWARTWOUT, H. G. Results of tests with some new fungicides with comments and suggestions for their use. Mo. State Hort. Soc. Hort. News 5(2): 1-10. Feb. 1946. 81 M692H
- 19321 TAYLOR, G. G., and ROBBINS, R. E. Spraying experiments on raspberries. Orchardist New Zeal. 18(12): 3, 5, 7. Dec. 5, 1945. 80 Or19
- 19322 TOWNSEND, G. R., and others. Diseases of vegetable crops during December in Palm Beach County, Florida. Plant Dis. Rptr. 30: 50-53. Feb. 15, 1946. 1.9 P69P
- R. C. Cassell, E. L. Felix, and R. Desrosiers, joint authors.
- 19323 TOWNSEND, G. R., and others. Diseases of vegetable crops during January in Palm Beach and Broward Counties, Florida. Plant Dis. Rptr. 30: 90-92, processed. Mar. 15, 1946. 1.9 P69P
- R. C. Cassell, E. L. Felix, and R. Desrosiers, joint authors.
- 19324 VIEGAS, G. P. Tratamentos de sementes de milho. Bragantia 5: 145-151. Feb. 1945. 102.5 B73Tb
- 19325 WAIN, R. L. The fungicidal action of copper. Chem. & Indus., No. 7, p. 70-73. Feb. 16, 1946. 382 M31C
- 19326 WERNHAM, C. C. Three hitherto unreported diseases of corn in Pennsylvania. Plant Dis. Rptr. 30: 26-28, processed. Jan. 15, 1946. 1.9 P69P  
Helminthosporium carbonum, H. maydis, and crazy-top.



19327 WESTCOTT, C. Here are your garden enemies; the plant doctor officiates at another of her plant insect round-ups, so you can brand and banish them. *Home Gard.* 7(2): 51-60. Feb. 1946. 80 H756

19328 WESTON, W. A. R. D., and TAYLOR, R. E. Seed disinfection. VII. Mechanical principles. *J. Agr. Sci. [London]* 35: 239-242. Oct. 1945. 10 J822

19329 WHITE, D. G. An electrometric method for defining the area of bark affected by tapping *Hevea brasiliensis*. *Plant Physiol.* 21: 102-108. Jan. 1946. Ref. 450 P692

Area definition desired in control of brown bast. 19330 WILSON, C. Damaged peanuts in Alabama in 1945. *Plant Dis. Rptr.* 30: 12-13, processed. Jan. 15, 1946. 1.9 P69P

19331 WILSON, J. D. The facts about disease resistant vegetables. *Home Gard.* 7(2): 19-23. Feb. 1946. 80 H756

19332 WOODBURY, G. Seed treatment part of quality program. *G.L.F. Week. Serv. Sched.* 10(31): 1, 4. Feb. 4, 1946. 280.28 G113W

19333 WRIGHT, P. H. Crown blight of rhubarb. *Canad. Hort. & Home Mag.* 69: 23-24. Feb. 1946. 80 C16F

#### Diseases Caused by Fungi

19334 ANDRÉN, F. Ob-medlen mot potatisbladmögel. Sweden. Statens Värtskyddsanst. Värtskyddsnotiser, No. 6, p. 95-96. Dec. 1, 1945. 464.9 Sw3V  
Control of potato leaf mold.

19335 BAKER, K. F. An epiphytotic of *Rhizopus nigricans*, soft rot of green-wrap tomatoes in California. *Plant Dis. Rptr.* 30: 20-26, processed. Jan. 15, 1946. Ref. 1.9 P69P

19336 CAMPBELL, W. A., and SLEETH, B. Variability of *Pythium ultimum* from guayule. *Mycologia* 38: 24-39. Jan./Feb. 1946. Ref. 450 M99

19337 CROSIER, W., and PATRICK, S. Arasan for control of fungi in germinating corn seed. *Phytopathology* 36: 162-164. Feb. 1946. 464.8 P56

19338 DAINES, R. H. Ground sprays can aid in apple scab control. *N. J. State Hort. Soc. Hort. News* 27: 1790. Jan. 1946. 81 N46

19339 EATON, F. M., and RIGLER, N. E. Influence of carbohydrate levels and root-surface microfloras on *Phymatotrichum omnivorum*, root rot in cotton and maize plants. *J. Agr. Res.* 72: 137-161. Feb. 15, 1946. Ref. 1 Ag84J

19340 ENGLISH, H., and GERHARDT, F. The effect of ultraviolet radiation on the viability of fungus spores and on the development of decay in sweet cherries. *Phytopathology* 36: 100-111. Feb. 1946. Ref. 464.8 P56

19341 FENNE, S. B. A new control [fermate] for tobacco blue mold. *South. Planter* 107(2): 26. Feb. 1946. 6 So89

19342 FLORQUIN, C. Le mildiou de la vigne; toxiques employés pour la lutte contre ce champignon remèdes pour parer à la pénurie de ces toxiques. *Assoc. des Chim. B.* 62: 140-145. Apr./June 1945. 383 As7

19343 GADEA LOUBRIEL, M. Estudios previos en torno al problema del tizón o caries del trigo (género *Tilletia*). Spain. *Inst. Nac. de Invest. Agron. B.* 13, p. 241-267. Dec. 1945. Ref. 105.6 Spl4  
English summary.

19344 GILBERTSON, C. Dwarf smut control of wheat. *Mont. Farmer* 33(12): 7. Feb. 15, 1946. 6 M764

19345 HARRISON, A. L. Late blight on tomatoes on the west coast of Florida. *Plant Dis. Rptr.* 30: 49-50, processed. Feb. 15, 1946. 1.9 P69P

19346 LIMBER, D. P. A note on the distribution of black rot of orchids. *Plant Dis. Rptr.* 30: 89, processed. Mar. 15, 1946. 1.9 P69P

19347 MASSEY, L. M. The latest word on fermate for blackspot and rust control. *Amer. Rose Mag.* 6: 325-328. Jan./Feb. 1946. 80 Am327A

19348 MILLER, J. H. Notes on diseases of garden crops in Georgia in 1945. *Plant Dis. Rptr.* 30: 48-49, processed. Feb. 15, 1946. 1.9 P69P

19349 NEW CONTROLS for azalea petal blight [*Ovulinia azaleae*], recently perfected spray materials rid plants of this destructive disease in the South. *Flower Grower* 33: 120, 122-123. Feb. 1946. 80 M72

19350 NEWTON, M., PETURSON, B., and MEREDITH, W. O. S. The effect of leaf rust [*Puccinia anomala*] of barley on the yield and quality of barley varieties. *Canad. J. Res. Sect. C, Bot. Sci.* 23: 212-218. Dec. 1945. Ref. 470 C16C

19351 NIKOLAEVSKAIA, M. A., and CHASTUKHIN, V. IA. Mikroflora elovoi drevessiny na raznykh fazakh raspada (Microflora of spruce wood in different phases of decay). *Pochvovedenie (Pedology)*, No. 8, p. 403-412. 1945. 57.8 P34  
English summary.

19352 PORTER, R. H. Induced baldhead in soybean. *Phytopathology* 36: 168-170. Feb. 1946. 464.3 P56  
Effect of temperature on seed planted in *Pythium*-infested soil.

19353 PRESTON, D. A. Anthracnose of vetch in Louisiana and Oklahoma. *Plant Dis. Rptr.* 30: 61-62, processed. Feb. 15, 1946. 1.9 P69P

19354 RICHARDS, M. C., and BARRATT, R. W. A partial survey of the genus *Lycopersicon* for resistance to *Phytophthora infestans*. *Plant Dis. Rptr.* 30: 16-20, processed. Jan. 15, 1946. 1.9 P69P

19355 ROSE, R. E. Germination and conidial number relationship in blind-seed disease [*Phialea temulenta* on rye grass]. *New Zeal. J. Sci. and Technol.* 27: 255-257. Oct. 1945. Ref. 514 N48A

19356 ROSEN, H. R. Rose anthracnose in Arkansas. *Amer. Rose Mag.* 6: 333-335. Jan./Feb. 1946. 80 Am327A

19357 SIGGERS, P. V. Fusiform rust: slash pine plantation threat. *Miss. Farm Res. [Miss. Sta.]* 9(1): 1, 7. Jan. 1946. 100 M69M1

*Cronartium fusiforme*. 19358 SIMMONDS, P. M. Detection of the loose smut fungi in embryos of barley and wheat. *Sci. Agr.* 26: 51-58. Feb. 1946. Ref. 7 Sci2

19359 SPARROW, F. K. Observations on chytridiaceous parasites of phanerogams. I. *Physoderma menyanthis de Bary*. *Amer. J. Bot.* 33: 112-118. Feb. 1946. Ref. 450 Am36

19360 TAYLOR, C. F., and LEACH, J. G. Seasonal variations in the incidence of the loose smuts of wheat and barley in West Virginia. *Plant Dis. Rptr.* 30: 46-47, processed. Feb. 15, 1946. 1.9 P69P

19361 WAGENER, W. W., and CAVE, M. S. Pine killing by the root fungus, *Fomes annosus*, in California. *J. Forestry* 44: 47-54. Jan. 1946. Ref. 90.8 F768

19362 WATERMAN, A. M. Canker of hybrid poplar clones in the United States, caused by *Septoria musiva*. *Phytopathology* 36: 148-156. Feb. 1946. Ref. 464.3 P56

19363 WEIMER, J. L., and ELROD, J. M. Powdery mildew [*Microsphaera diffusa*] of annual lespedezas. *Plant Dis. Rptr.* 30: 13-16, processed. Jan. 15, 1946. 1.9 P69P

19364 WESTCOTT, C. Another conquest for chemistry: azalea petal blight [*Ovulinia azaleae*]. *Home Gard.* 7(2): 61-63. Feb. 1946. 80 H756

19365 WESTCOTT, C. Are you going to control azalea blight? *Home Gard.* for South 6: 250-252, 262. Jan. 1946. 80 H755

19366 WESTON, W. A. R. D. Powdery mildew [*Erysiphe graminis*] of cereals. *Gt. Brit. Min. Agr. Agriculture* 52: 522-524. Feb. 1946. 10 G79J

19367 YOUNG, V. H. White rust on spinach in Arkansas. *Plant Dis. Rptr.* 30: 61, processed. Feb. 15, 1946. 1.9 P69P

#### Diseases Caused by Bacteria

19368 FOSTER, W. R. Bacterial ring rot of potatoes presents menace. *Country Life [Vernon]* 30 (1, 1. e. 3): 17. Mar. 1946. 7 C832



19369 NAVARRO, J. Algunas enfermedades producidas por bacterias en las plantas. Control de Plagas 8: 29-31. (To be cont.) Feb. 1946. 464.8 C76

19370 NIELSEN, L. W. Solar heat in relation to bacterial soft rot of early Irish potatoes. Amer. Potato J. 23: 41-57. Feb. 1946. Ref. 75.8 P842

19371 RIKER, A. J., SPOERL, E., and GUTSCHE, A. E. Some comparisons of bacterial plant galls and of their causal agents. Bot. Rev. 12: 57-82. Feb. 1946. Ref. 450 B6527

19372 WALLIN, J. R. Parasitism of *Xanthomonas translucens* (J. J. and R.) Dowson on grasses and cereals. Iowa State Col. J. Sci. 20: 171-193. Jan. 1946. Ref. 470 I09

#### Viruses and Virus Diseases

19373 RAINES, R. C. Virus disease on avocado: a correction. Plant Dis. Rptr. 30: 62-63, processed Feb. 15, 1946. 1.9 P69P

19374 BLACK, L. M., PRICE, W. C., and WYCKOFF, R. W. G. The electron micrograph of plant virus-antibody mixtures. Soc. Expt. Biol. and Med. Proc. 61(1): 9-12. Jan. 1946. 442.9 Sol

19375 CHEVALIER, C. Maladies à virus chez les plantes ornementales. Rev. Hort. Suisse 18: 203-206. Oct. 1945. 80 R3212

19376 CHEVALIER, C. Le traitement des viroses. Rev. Hort. Suisse 18: 234-235. Nov. 1945. 80 R3212

19377 ESBO, H. En del vanliga potatis-sorters reaktion mot vissa vira (The effect of virus infections on some common potato varieties). K. Lantbruksakad. Tidskr. 84: 299-313. 1945. 104 Sw3  
German summary.

19378 FRAMPTON, V. L., and TAKAHASHI, W. N. Electrophoretic studies with the plant viruses. Phytopathology 36: 129-141. Feb. 1946. Ref. 464.8 P56

19379 HEWITT, W. B., and others. Leafhopper transmission of the virus causing Pierce's disease of grape and dwarf of alfalfa. Phytopathology 36: 117-128. Feb. 1946. Ref. 464.8 P56

B. R. Houston, N. W. Frazier, and J. H. Freitag, joint authors.

19380 JOHNSON, E. M., and VALLEREAU, W. D. Field strains of tobacco-mosaic virus. Phytopathology 36: 112-116. Feb. 1946. Ref. 464.8 P56

19381 JOHNSON, E. M. Two legume viruses transmissible to tobacco. Phytopathology 36: 142-147. Feb. 1946. 464.8 P56

19382 KLEIN, P. Tests reveal virus diseases [in potatoes]. Calif. Cult. 93: 165, 199. Mar. 16, 1946. 6 C12

19383 MCKINNEY, H. H. Soil factors in relation to incidence and symptom-expression of virus diseases. Soil Sci. 61: 93-100. Jan. 1946. Ref. 56.8 So3

19384 MARKHAM, R., and SMITH, K. M. A new crystalline plant virus. Nature [London] 157: 300. Mar. 9, 1946. 472 N21

19385 MILBRATH, J. A. Oregon seeks virus-free stone-fruit stock. Amer. Nurseryman 83(6): 38-39. Mar. 15, 1946. 80 Am371

19386 PRICE, W. C., and BLACK, L. M. The antigenicity of Southern bean mosaic virus. Phytopathology 36: 157-161. Feb. 1946. Ref. 464.8 P56

19387 PRICE, W. C. Purification and crystallization of southern bean mosaic virus. Amer. J. Bot. 33: 45-54. Jan. 1946. Ref. 450 Am36

19388 PRYOR, D. E., and WESTER, R. E. Relative resistance and susceptibility of U. S. 243 and U. S. 343 lima beans to lima-bean mosaic. Phytopathology 36: 170-172. Feb. 1946. 464.8 P56

19389 SMITH, K. M. Tobacco rosette: a complete virus disease. Parasitology 37(1/2): 21-24. Jan. 1946. 448.8 P21

19390 SMITH, K. M., and LEA, D. E. The transmission of plant viruses by aphides [Myzus persicae]. Parasitology 37(1/2): 25-37. Jan. 1946. 448.8 P21

19391 WATSON, M. A. The transmission of beet mosaic and beet yellows viruses by aphides; a comparative study of a non-persistent and a persistent virus having host plants and vectors in common. Roy. Soc., London. Proc., Ser. B, Biol. Sci. 133: 200-219. Feb. 12, 1946. Ref. 501 L84B

#### Diseases Caused by Nematodes

19392 BAKER, A. D. The sugar-beet nematode [*Heterodera schachtii*] in Ontario. Canada. Dept. Agr. Sci. Serv. Div. Ent. Processed P. 30, 4 p. Ottawa, 1945. 423.92 C16P

19393 CHRISTMAN, W. F. Nematodes and how to control them. Amer. Peony Soc. B. 100, p. 33-37. Dec. 1945. 81 Am38B

19394 EELWORM—a menace to potato growing. North. Ireland. Min. Agr. Monthly Rpt. 20: 302-303. Feb. 1946. 256.13 Ag82M

19395 KINCAID, R. R. Soil factors affecting incidence of root knot. Soil Sci. 61: 101-109. Jan. 1946. Ref. 56.8 So3

19396 SOARES, O. M. Verminose do pinhão, *Araucaria brasiliensis* (angustifolia). Brazil. Dept. Nac. de Prod. Veg. Sec. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 119-122. Dec. 1945. 9.2 B7363

#### ECOLOGY

19397 BOYKO, H. On forest types of the semi-arid areas at lower latitudes. Palestine J. Bot., Rehovot Ser. 5: 1-21. Sept. 1945. Ref. 450 P172  
An ecological study.

19398 CARABIA, J. P. The vegetation of Sierra de Nipe, Cuba. Ecol. Monog. 15: 321-341. Oct. 1945. Ref. 410 Ec72

An ecological study.

19399 CHEVALIER, A. Les cartes botaniques entreprises actuellement en France et leur publication. Paris. Acad. des Sci. Compt. Rend. 221: 733-734. Dec. 12, 1945. 505 P21

Ecological maps.

19400 CORNELIUS, D. R. Establishment of some true prairie species following reseeding. Ecology 27: 1-12. Jan. 1946. Ref. 410 Ec7

19401 CURTIS, J. D. Preliminary observations on northern white cedar [*Thuja occidentalis*, in Maine. Ecology 27: 23-36. Jan. 1946. Ref. 410 Ec7

19402 DAHLBROCK, W. Strandwiesen am südöstlichen Öresund. Acta Phytogeog. Suecica, No. 18, 168 p. Stockholm, 1945. 451 Ac82

English summary.

An ecological study.

19403 HEDIN, L. Contribution à l'étude des formes biologiques des espèces prairiales. Ann. Agron. Paris, 15: 235-278. Apr./June 1945. Ref. 14 An75A

An ecological study.

19404 OOSTING, H. J., and KRAMER, P. J. Water and light in relation to pine reproduction. Ecology 27: 47-53. Jan. 1946. Ref. 410 Ec7

19405 RAPP, W. F., JR., and RAPP, J. L. C. Notes on the grasses, sedges and rushes of the Great Swamp (New Jersey). Torrey Bot. Club B. 73: 203-204. Mar. 1946. 451 T63B

Fourth contribution to the Great Swamp Ecological Survey.

19406 SHARPE, B. Bald Mountain botanical mystery. Gard. Gossip 21(1): 10-11. Jan. 1946. 80 G1625

An ecological study.

19407 WATLIN, B. J. O. Vegetationen på Lilla Karlsö. I. Lövskögsfragment. Vegetation at Lilla Karlsö. I. A fragment of a hardwood forest. Bot. Notiser 1945: 81-100. Ref. 450 B656

#### MORPHOLOGY, ANATOMY, AND CYTOLOGY

19408 AMES, O. The evolution of the orchid flower. Amer. Orchid Soc. B. 14: 355-360. Feb. 1, 1946. 80 Am329



- 19409 BONNER, J. T., and ELDREDGE, D., JR. A note on the rate of morphogenetic movement in the slime mold, *Dictyostelium discoideum*. Growth 9: 287-297. Dec. 1945. Ref. 442.8 G91
- 19410 BROWN, E. O. Notes on some variations in field bindweed (*Convolvulus arvensis* L.). Iowa State Col. J. Sci. 269-276. Jan. 1946. 470 I09
- 19411 CAMUS, G. Action différenciatrice des bourgeons se développant sur des fragments de parenchyme vasculaire d'endive, cultivés in vitro. Paris. Acad. des Sci. Compt. Rend. 221: 475-476. Oct. 22, 1945. 505 P21
- 19412 CAMUS, G. Mise en évidence de l'action différenciatrice des bourgeons d'endive par la méthode des greffes. Paris. Acad. des Sci. Compt. Rend. 221: 570-572. Nov. 5, 1945. 505 P21
- 19413 DAHLGREN, K. V. O. Pomologiska kuriositeter (Pomological curiosities, I-III). Bot. Notiser 1945: 149-156. Ref. 450 B656
- 19414 DANGEARD, P., and ETME, J. Les plastes et les mitochondries dans la cellule apicale de quelques muscinées. Paris. Acad. des Sci. Compt. Rend. 222: 335-336. Feb. 4, 1946. 505 P21
- 19415 DELAPORTE, B., and SACCAS, A. Contribution à l'étude cytologique de *Penicillium notatum* Westling. Paris. Acad. des Sci. Compt. Rend. 222: 196-198. Jan. 14, 1946. 505 P21
- 19416 EHRENBERG, L. Kromosomalen hos några kärlväxter (Chromosome numbers in vascular plants). Bot. Notiser 1945: 430-437. Ref. 450 B656
- 19417 EHRENBERG, L. Zur Kenntnis der homologieverhältnisse in der angiospermen Blüte. Bot. Notiser 1945: 438-444. Ref. 450 B656
- 19418 FAGERLIND, F. Blüte und Blütenstand der Gattung *Balanophora*. Bot. Notiser 1945: 330-350. Ref. 450 B656
- 19419 FLINT, L. H., and MORELAND, C. F. A study of the stomate in sugarcane. Amer. J. Bot. 33: 80-82. Jan. 1946. Ref. 450 Am36
- 19420 LEWISLE, R. Les divers aspects de fibres à punctuations aréolées chez les apocarpées archaïques et le critérium de la trachéide du type cycadéen. Paris. Acad. des Sci. Compt. Rend. 222: 195-196. Jan. 14, 1946. 505 P21
- 19421 FÄKANSÖN, A. Überzählige Chromosomen in einer rasse von *Gedelia nutans* Hiorth. Bot. Notiser 1945: 1-19. Ref. 450 B656
- 19422 HÄRLING, G. Die Chromosomenzahlen einiger Carex-Arten. Bot. Notiser 1945: 114-116. Ref. 450 B656
- 19423 JULEN, G. En abnorm form av alsikeklöver (*Trifolium hybridum*). Bot. Notiser 1945: 72-74. Ref. 450 B656
- 19424 LIGGETT, W. E. Genes and chromosomes in plants. Amer. Bot. 51: 61-65. July 1945. 450 Am33
- 19425 MATZKE, E. B. The three-dimensional shape of bubbles in foam - an analysis of the rôle of surface forces in three-dimensional cell shape determination. Amer. J. Bot. 33: 58-80. Jan. 1946. Ref. 450 Am36
- 19426 MATZKE, E. B., and WESTLER, J. Volume-shape relationships in variant foams. A further study of the rôle of surface forces in three-dimensional cell shape determination. Amer. J. Bot. 33: 130-144. Feb. 1946. Ref. 450 Am36
- 19427 MELVILLE, C. The histology of belladonna root. Part III. Differential characters for the powder. Q. J. Pharm. and Pharmacol. 18: 331-338. Oct./Dec. 1945. 396.8 Q2
- 19428 MILLER, H. A., and WETMORE, R. H. Studies in the developmental anatomy of *Phlox drummondii* Hook. III. The apices of the mature plant. Amer. J. Bot. 33: 1-10. Jan. 1946. Ref. 450 Am36
- 19429 OPPENHEIMER, H. R. Cambial wood production in stems of *Pinus halepensis*. Palestine J. Bot., Rehovot Ser. 5: 22-51. Sept. 1945. Ref. 450 P172
- 19430 ÖSTERGREN, G. Parasitic nature of extra fragment chromosomes. Bot. Notiser 1945: 157-163. Ref. 450 B656
- 19431 ÖSTERGREN, G. Transverse equilibria on the spindle. Bot. Notiser 1945: 467-468. 450 B656
- 19432 PLANTÉFOL, L. La phyllotaxie dans le genre *Lilium*: théorie des hélices foliaires multiples. Paris. Acad. des Sci. Compt. Rend. 221: 422-424. Oct. 8, 1945. 505 P21
- 19433 PLANTÉFOL, L. Sur deux extensions de la théorie des hélices foliaires multiples. Paris. Acad. des Sci. Compt. Rend. 222: 235-236. Jan. 21, 1946. 505 P21
- 19434 PLANTÉFOL, L. Sur la phyllotaxie du *Lilium martagon* L. Paris. Acad. des Sci. Compt. Rend. 221: 667-669. Nov. 26, 1945. 505 P21
- 19435 PLANTÉFOL, L. Sur la série principale des divergences foliaires reconnues par la théorie phyllotaxique classique. Paris. Acad. des Sci. Compt. Rend. 222: 147-149. Jan. 7, 1946. 505 P21
- 19436 SOUÈGES, R. Embryogénie des caprifoliacées. Développement de l'embryon chez le *Lonicera biflora* Desf. Paris. Acad. des Sci. Compt. Rend. 480-482. Oct. 29, 1945. 505 P21
- 19437 SOUÈGES, R. Embryogénie des fumariacées. La différenciation des régions fondamentales du corps chez le *Corydalis lutea* DC. Paris. Acad. des Sci. Compt. Rend. 222: 253-255. Jan. 28, 1946. 505 P21
- 19438 SOUÈGES, R. Embryogénie des fumariacées. Les premiers termes du développement de l'embryon chez le *Corydalis lutea* DC. Paris. Acad. des Sci. Compt. Rend. 222: 161-163. Jan. 14, 1946. 505 P21
- 19439 SRINATH, K. V. The cytology of the yeast. Cur. Sci. 15: 25. Jan. 1946. 475 Sci23
- 19440 STERLING, C. Growth and vascular development in the shoot apex of *Sequoia sempervirens* (Lamb.) Endl. III. Cytological aspects of vascularization. Amer. J. Bot. 33: 35-45. Jan. 1946. Ref. 450 Am36
- 19441 WARDLAW, G. W. A cycle of fern anatomy. Endeavour 5: 29-34. Jan. 1946. 472 En2

## GENETICS

- 19442 ANDERSON, E., and HORNBACK, E. A genetical analysis of pink daffodils. Calif. Hort. Soc. J. 7: 334-344. Jan. 1946. 81 Cl293
- 19443 ANDERSON, E. What is a tetraploid? Mo. Bot. Gard. B. 34: 43-48. Feb. 1946. 451 M69B
- 19444 ATWOOD, S. S., and KREITLOW, K. W. Studies of a genetic disease of *Trifolium repens* simulating a virosis. Amer. J. Bot. 33: 91-100. Feb. 1946. 450 Am36
- 19445 BOZA BARDUCCI, T. Los progresos alcanzados por el Peru en genética vegetal. Lima, Peru. Estac. Expt. Agr. de La Molina. B. 27, 34 p. Lima, 1945. 102.5 L622B
- 19446 GUILLAUDIN, A. Hybrides de greffe et hybrides sexuels. Paris. Acad. des Sci. Compt. Rend. 221: 572-574. Nov. 5, 1945. 505 P21
- 19447 HITIER, H., and FARDY, A. Hybrides polygéniques de *Nicotiana*. Paris. Acad. des Sci. Compt. Rend. 221: 453-456. Oct. 15, 1945. 505 P21
- 19448 HYLANDER, N. Några anmärkingar om de som prydnadsväxter odlade arterna av *Delphinium underråldet* Consolida (Einige bemerkungen über die als Zierpflanzen gebauten arten von *Delphinium* subg. *Consolida*). Bot. Notiser 1945: 75-80. Ref. 450 B656
- German summary.
- 19449 LANCHAM, D. G. Genetical studies of the sesame flower. Science 103: 280. Mar. 1, 1946. 470 Sci2
- 19450 LEFEVRE, J., and PANYALAKSHANA, P. Comportement caryologique d'hybrides et de nouvelles espèces amphidiploïdes dans le genre *Nicotiana*. Paris. Acad. des Sci. Compt. Rend. 222: 336-338. Feb. 4, 1946. 505 P21
- 19451 LINDEGREN, C. C. Breeding yeasts for their new rôle in nutrition. Mo. Bot. Gard. B. 34: 37-43. Feb. 1946. 451 M69B



- 19452 LOVE, R. M. Interspecific hybridization in *Stipa* L. I. Natural hybrids. *Amer. Nat.* 80: 189-192. Feb. 1, 1946. Ref. 470 Am36
- 19453 MEHLQUIST, G. A. L. Tetraploidy and pinks. *Mo. Bot. Gard. B.* 48-58. Feb. 1946. 451 M69B
- 19454 REITZ, L. P., JOHNSTON, C. O., and ANDERSON, K. L. New combinations of genes in wheat x wheatgrass hybrids. *Kans. Acad. Sci. Trans.* 48: 151-159. Sept. 1945. 500 K13T
- 19456 ROLLINS, R. C. Interspecific hybridization in *Parthenium*. II. Crosses involving *P. argentatum*, *P. incanum*, *P. stramonium*, *P. tomentosum* and *P. hysterophorus*. *Amer. J. Bot.* 33: 21-30. Jan. 1946. Ref. 450 Am36
- 19456 SCOTT, D. H., and RINER, M. E. A mottled-leaf character in winter squash. *J. Hered.* 37(1): 27-28. Jan. 1946. 442.8 Am3
- 19457 SINGLETON, W. R. "Long husk" sterility in maize. *J. Hered.* 37(1): 29-30. Jan. 1946. 442.8 Am3
- 19458 SPRAGUE, G. F. Early testing of inbred lines of corn. *Amer. Soc. Agron. J.* 38: 108-117. Feb. 1946. Ref. 4 Am34P
- 19459 STOUT, A. B. Types of anthesis in *Heremacallis* and their heredity in *F* hybrids. *Torrey Bot. Club B.* 73: 134-154. Mar. 1946. Ref. 451 T63B
- 19460 WALDRON, L. R. Inheritance in a bread mold *Neurospora*. *N. Dak. Agr. Expt. Sta. Bimo. B.* 5(3): 22, 39. Jan./Feb. 1946. 100 N813B
- 19461 WORZELLA, W. W. Plant breeding for South Dakota. *Dakota Farmer* 66(5): 4-5. Mar. 2, 1946. 6 D14
- 19462 ZHEBRAK, A. R. New amphidiploid species of wheat and their significance for selection and evolution. *Amer. Nat.* 80: 271-279. Mar. 1, 1946. 470 Am36
- PHYSIOLOGY
- 19463 ADDOMS, R. M. Entrance of water into suberized roots of trees. *Plant Physiol.* 21: 109-111. Jan. 1946. Ref. 450 P692
- 19464 ALDRICH, W. W., CRAWFORD, C. L., and MOORE, D. C. Leaf elongation and fruit growth of the deglet noor date in relation to soil-moisture deficiency. *J. Agr. Res.* 72: 189-200. Mar. 1, 1946. Ref. 1 Ag64J
- 19465 ALEKSANDROV, V. G. K voprosu o dvoimnom oplodotvorenii [On the question of double fertilization]. *Uspekhi Sovremennoi Biol.* 20(1): 95-108. 1945. 442.8 Ex3
- In *Lilium martagon* and *Fritillaria tenella*.
- 19466 ALMEIDA, C. R. M. DE. Xénia e metaxénia. *Portugal. Junta Nac. das Frutas. B.* 5(5): 15-18. May 1945. 286.3939 P83
- 19467 AMARGÓS, J. L. La clorosis del Vedado. *Agronomía Habana*, 6(1): 256. (To be cont.). Jan. 1946. 8 C893
- Chlorosis of garden plants in the Vedado district.
- 19468 BARBIER, G. Influence de l'ion potassium sur les glucides mobiles de la plante et sur leur variation diurne. *Ann. Agron. [Paris]*, 15: 217-234. Apr./June 1945. Ref. 14 An75A
- 19469 BEATTY, A. V. Respiration and cell division in plants. I. Oxygen consumptions and cell division in the leaves of *Ligustrum lucidum* and *Hedera helix*. *Amer. J. Bot.* 33: 145-148. Feb. 1946. Ref. 450 Am36
- 19470 BELVAL, H., and LEMOYNE, S. Influence de la dessiccation et de la température sur la perméabilité des membranes cellulaires dans la betterave. *Assoc. des Chim. B.* 62: 105-110. Apr./June 1945. 383 As7
- 19471 BLAKE, M. A., and EDGERTON, L. J. The place of carbohydrates in the growth and fruit production of apple trees. *N. J. State Hort. Soc. Hort. News* 27: 1782-1783, 1792. Jan. 1946. 81 N46
- 19472 CAMPBELL, M. W. Hormones and horticulture. *Canad. Countryman* 35(5): 9, 32-33. Mar. 2, 1946. 7 C833
- 19473 CHEAL, W. F. Hormones and fruit drop. *Fruit-Grower* 101: 52. Jan. 17, 1946. 80 F941
- 19474 CHUPP, C. Soil temperature, moisture, aeration, and pH as factors in disease incidence. *Soil Sci.* 61: 31-36. Jan. 1946. Ref. 56.8 503
- 19475 COOPER, D. C. Double fertilization in petunia. *Amer. J. Bot.* 33: 54-57. Jan. 1946. Ref. 450 Am36
- 19476 CORRIE, F. E. Some elements of plants and animals. 17-18. Potassium in plant nutrition. *Fert. Feed. Stuffs and Farm Supplies J.* 32: 12-13, 41-42. Jan. 2, 16, 1946. Ref. 57.8 F413
- 19477 CRUZ, F. B. La fenología como base fundamental de la investigación científica en la agricultura. *Cuba. Min. de Agr. Almanaque (1946)* 2: 13-16. 8 C896
- 19478 DECOUX, L., VANDERWAEREN, J., and CIAERHOUT, L. La montée en graines de la betterave en relation avec l'âge de la graine. *Inst. Belge pour l'Amélior. de la Betterave P.* 13: 63-65. Mar./Apr. 1945. 66.9 In7
- English summary.  
Sugar beets.
- 19479 DEMOLON, A., and DUNEZ, A. Symbiose bactérienne et physiologie des légumineuses. *Paris. Acad. des Sci. Compt. Rend.* 221: 586-588. Nov. 12, 1945. 505 P21
- 19480 DEYSSON, G. Tuméfaction des racines et mito-inhibition sous l'influence du camphre. *Paris. Acad. des Sci. Compt. Rend.* 221: 563-570. Nov. 5, 1945. 505 P21
- 19481 D'IAKOVA, E. Vliianie usloviy pitaniia na soderzhanie karotina v kormovykh travakh (Influence of nutrition upon the carotene content in forage grasses and legumes). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(6): 28-32. 1945. 20 Akl
- 19482 EYSTER, H. C. Effect of auxins on the action of diastase in vitro. *Plant Physiol.* 21: 68-74. Jan. 1946. Ref. 450 P692
- 19483 FRIES, N. Some experiments with mosses cultured in the dark. *Bot. Notiser* 1945: 417-424. Ref. 450 B656
- 19484 GARCIA ROMERO, A. La polinización de las flores. *Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural* 2(13): 12-13. Apr. 1945. 15 Spl2
- 19485 GESLIN, H., and JONARD, P. Courbes caractéristiques du développement du grain de blé au point de vue physique. *Paris. Acad. des Sci. Compt. Rend.* 222: 410-412. Feb. 11, 1946. 505 P21
- 19486 GIER, L. J. Development of adventitious roots inside the trunks of trees. *Kans. Acad. Sci. Trans.* 48: 198. Sept. 1945. 500 K13T
- 19487 GIER, L. J. Shoot root ratio and moisture relations. *Kans. Acad. Sci. Trans.* 48: 205-208. Sept. 1945. Ref. 500 K13T
- 19488 GIESE, A. C., and TATUM, F. L. The effects of p-aminobenzoic acid, pantothenic acid and pyridoxin upon respiration of *Neurospora*. *Arch. Biochem.* 9: 1-13. Jan. 1946. Ref. 381 Ar2
- 19489 GLUSHCHENKO, I. Mezovidovye privivki-faktor klubneobrazovaniia u dikogo vida kartofelia *Solanum acaule* (Interspecific grafting as a factor of tuber production in the wild potato, *Solanum acaule*). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(6): 14-16. 1945. Ref. 20 Akl
- 19490 GURNEY, A. Apical growth in the hazel *Corylus*. *North West. Nat.* 20: 27-29. Mar./June 1945. 410 N81
- 19491 GUSTAFSON, F. G. Influence of external and internal factors on growth hormone in green plants. *Plant Physiol.* 21: 49-62. Jan. 1946. Ref. 450 P692
- 19492 HANSON, H. J., and others. Variation in *Penicillium notatum* induced by the bombardment of spores with neutrons. *J. Bact.* 51: 9-18. Jan. 1946. Ref. 448.3 J82
- W. G. Myers, G. L. Stahly, and J. M. Birkeland, joint authors.



- 12493 HARLAN, J. R. The development of buffalo grass seed. Amer. Soc. Agron. J. 38: 135-141. Feb. 1946. Ref. 4 Am34P
- 19494 HARLAN, P. W. The small size question oranges. Citrus Leaves 26(2): 10. Feb. 1946. 80 C492
- 19495 HEDAYETHULLAH, S., and GHOSH, B. N. Vernalization of rice. Nature [London], 157: 194. Feb. 16, 1946. 472 N21
- In Bengal.
- 19496 HÉRISSET, A. Démonstration expérimentale du rôle du Trentepohlia umbrina (Eg.) Born. dans la synthèse des graphidiées corticales. Paris. Acad. des Sci. Compt. Rend. 222: 100-102. Jan. 2, 1946. 505 P21
- 19497 HÉRISSET, A. Nouvelles observations sur la reproduction et la multiplication chez les Trentepohlia. Paris. Acad. des Sci. Compt. Rend. 221: 637-639. Nov. 19, 1945. 505 P21
- 19498 HÉRISSET, A. Rôle physiologique de l'hématochrome des Trentepohlia. Paris. Acad. des Sci. Compt. Rend. 221: 707-708. Dec. 3, 1945. 505 P21
- 19499 HOFFER, A., ALCOCK, A. W., and CEDDES, W. F. The distribution of thiamine in wheat seedlings at different stages of germination in the dark. Cereal Chem. 23: 76-83. Jan. 1946. Ref. 59.8 C33
- 19500 HOFFER, A., CEDDES, W. F., and LEVINE, W. N. Effect of leaf and stem rust on the phosphorus metabolism of hard red spring wheat. Cereal Chem. 23: 52-64. Jan. 1946. Ref. 59.8 C33
- 19501 HOLBECH, J. A. Boron deficiency in apples; observations at New England Experiment Farm. Agr. Gaz. N. S. Wales 57(1): 17-21. (To be cont.) Jan. 1946. 23 N472
- 19502 HULL, E. D. Self-pollination in Cypripedium. Amer. Bot. 52: 21. Jan. 1946. 450 Am33
- 19503 HUNTER, A. S., and KELLEY, O. J. The growth and rubber content of guayule as affected by variations in soil moisture stresses. Amer. Soc. Agron. J. 38: 118-134. Feb. 1946. Ref. 4 Am34P
- 19504 JOHNSON, L. P. V. Physiological studies on sap flow in the sugar maple, Acer saccharum Marsh. Canad. J. Res. Sect. C, Bot. Sci. 23: 192-197. Dec. 1945. Ref. 470 C16C
- 19505 JOHNSON, R. Vitamins in our sunshine. Ariz. Farmer 25(4): 22. Feb. 23, 1946. 6 Ar44
- Study of growing conditions affecting vitamin content of plants.
- 19506 JONES, M. A., and COOPER, W. C. The lack of scion effect on root quality of Derris elliptica. Plant Physiol. 21: 63-67. Jan. 1946. Ref. 450 P692
- 19507 KENT, G. C. Some factors in the production and germination of spores of Diplodia zeae in culture. Iowa State Col. J. Sci. 20: 259-263. Jan. 1946. Ref. 470 I09
- 19508 KRAMER, P. J. Absorption of water through suberized roots of trees. Plant Physiol. 21: 37-41. Jan. 1946. Ref. 450 P692
- 19509 KROGH, A. The active and passive exchanges of inorganic ions through the surfaces of living cells and through living membranes generally. Roy. Soc., London. Proc., Ser. B, Biol. Sci. 133: 140-200. Feb. 12, 1946. Ref. 501 L84B
- Many plant examples used.
- 19510 L., J. Simple question d'un profane en matière d'hormones. Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc. 15: 263-264. Dec. 1945. 80 F4482
- 19511 LAMPENYCHT, H. Die bedeutung des xanthophylls für die photische assimilation der pflanze. Bot. Notiser 1945: 33-43. Ref. 450 B656
- 19512 LEONARD, O., and PINCHARD, J. A. Effect of various oxygen and carbon dioxide concentrations on cotton root development. Plant Physiol. 21: 18-36. Jan. 1946. Ref. 450 P692
- 19513 LE ROUX, M. S. Colour in grapes. Union So. Africa. Dept. Agr. and Forestry. Publicity Ser. 178, 2 p. Pretoria, 1945. 24 So82P
- 19514 LEVINE, M. The effect of colchicine and acenaphthene in combination with X-rays on plant tissue - III. Torrey Bot. Club B. 73: 167-183. Mar. 1946. Ref. 451 T63B
- 19515 LILLELAND, O. The present status of leaf analyses in relation to fruit tree nutrition. Blue Anchor 23(1): 14-16, 28-31. Feb. 1946. 286.83 B62
- 19516 MCCOMB, A. L., and GRIFFITH, J. E. Growth stimulation and phosphorus absorption of mycorrhizal and non-mycorrhizal northern white pine and Douglas fir seedlings in relation to fertilizer treatment. Plant Physiol. 21: 11-17. Jan. 1946. Ref. 450 P692
- 19517 MACDOUGAL, D. T., and DUFRENOY, J. Criteria of nutritive relations of fungi and seed-plants in mycorrhizae. Plant Physiol. 21: 1-10. Jan. 1946. Ref. 450 P692
- 19518 MALAN, P. F. Spraying citrus trees for mineral deficiencies. Farming in So. Africa 21: 8, 18. Jan. 1946. 24 So842
- 19519 MALVETIN-FABRE, G. Relations entre l'état de division de la chromatine et l'intensité du métabolisme cellulaire. Paris. Acad. des Sci. Compt. Rend. 221: 636-637. Nov. 19, 1945. 505 P21
- Studies on species of Araceae.
- 19520 MARSHALL, H., and MAKI, T. E. Transpiration of pine seedlings as influenced by foliage coatings. Plant Physiol. 21: 95-101. Jan. 1946. Ref. 450 P692
- 19521 MARTEN, W. F. We hear a good deal about plant hormones: What will they really do? Smallholder 74(1874): 12-13. Feb. 15, 1946. 10 Sml
- 19522 MAUME, L. Rapports physiologiques N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O et CaO, MgO remarquablement distincts entre graminées et légumineuses de prairies dans un même milieu. Paris. Acad. des Sci. Compt. Rend. 222: 105-107. Jan. 2, 1946. 505 P21
- 19523 MENDEL, K. Orange leaf transpiration under orchard conditions. Part 2: Soil moisture content decreasing. Palestine J. Bot., Rehovot Ser. 5: 59-85. Sept. 1945. Ref. 450 P172
- 19524 MIDGLEY, A. R., and DUNKLE, D. E. Boron deficiency of lettuce. Better Crops with Plant Food 30(2): 17-20, 42. Feb. 1946. Ref. 6 B46
- 19525 MIKHILIN, D. M., and BRONOVITSKAYA, Z. S. Znachenie gidratatsii dvuokisl ugleroda pri fotosintezе (The role of hydration of carbon dioxide during photosynthesis). Biokhimiia 10: 326-335. 1945. Ref. 385 B523
- English summary.
- 19526 MILLIKAN, C. R. Zinc deficiency in flax. Victoria. Dept. Agr. J. 44: 69-73, 88. Feb. 1946. 23 V66J
- 19527 MONTELISE, S. P. On a modification of the oat cylinder test for growth substances used to show the presence of auxin in growing citrus shoots. Palestine J. Bot., Rehovot Ser. 5: 106-111. Sept. 1945. Ref. 450 P172
- 19528 MOORE, E. C. Mottle leaf control in Tulare County. Citrus Leaves 26(2): 20. Feb. 1946. 80 C492
- 19529 MUNTZING, A., and MUNTZING, G. The mode of reproduction of hybrids between sexual and apomictic Potentilla argentea. Bot. Notiser 1945: 49-71. Ref. 450 B656
- 19530 NIKOLAEV, A. V. K metodike opredeleniia transpiratsii rastenii [Methods of determining transpiration in plants]. Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(7/8): 41-45. 1945. 20 Akl
- 19531 NUSBAUM, C. J. Internal brown spot, a boron deficiency disease of sweet potato. Phytopathology 36: 164-167. Feb. 1946. 464.8 P56
- 19532 NYLUND, R. E. "Hormones" tested on greenhouse tomatoes. Minn. Hort. 74: 39. Mar. 1946. 81 M66
- 19533 OPPENHEIMER, H. R. Leaf analyses of Shamouti oranges. Palestine J. Bot., Rehovot Ser. 5: 86-95. Sept. 1945. Ref. 450 P172



- 19534 OPPENHEIMER, H. R. Some cases of uncommonly rapid plant growth in Palestine. *Palestine J. Bot., Rehovot Ser.* 5: 112-123. Sept. 1945. Ref. 450 F172
- 19535 OVERSTREET, R., and JACOBSON, L. The absorption by roots of rubidium and phosphate ions at extremely small concentrations as revealed by experiments with  $Rb^{86}$  and  $P^{32}$  prepared without inert carrier. *Amer. J. Bot.* 33: 107-112. Feb. 1946. Ref. 450 Am36
- 19536 PITTIER, H. Reproducción asexual del banano. *Agr. Venezol.* 10(112): 26-27. Dec. 1945/Jan. 1946. 9.95 Ag8
- 19537 PULVERTAFT, R. J. V. Effect of anti-septics on the germination of pollen grains. *Nature [London]* 157: 301-302. Mar. 9, 1946. 472 N21
- 19538 ROBERTSON, R. N., and THORN, M. Studies in the metabolism of plant cells. 4. The reversibility of the salt respiration. *Austral. J. Expt. Biol. and Med. Sci.* 23: 305-309. Dec. 1945. Ref. 442.8 Au7
- 19539 ROZHALIN, L. V. Usloviia dlia uskorenno-go prokhozheniia perioda pokoia u svezheubrannykh klubnei kartofelia (Shortening the dormancy of freshly harvested potato tubers). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(7/8): 9-15. 1945. 20 Ak1
- 19540 SCHULMAN, E. The range of ring sensitivity. *Tree-Ring B.* 12: 5-8. July 1945. 99.8 T713
- 19541 SCHULMAN, E. Root growth-rings and chronology. *Tree-Ring B.* 12: 2-5. July 1945. 99.8 T713
- 19542 SIDERIS, C. P., and YOUNG, H. Y. Effects of iron on certain nitrogenous fractions of *Ananas comosus* (L.) Merr. *Plant Physiol.* 21: 75-94. Jan. 1946. Ref. 450 P692
- 19543 SIMONNEAU, P. Observations sur le comportement des agrumes en presence du salant. *Fruits et Primeurs de l'Afrique du Nord, Rd. Maroc.* 15: 259-263. Dec. 1945. 80 P9482
- 19544 SISAKIAN, N. M., KORIÁKOVA, A. M., and VASIL'eva, N. A. Fermentativnye periody v list'akh i ikh svyaz' s razvitiem zapasnykh i reproduktivnykh organov (Enzymatic periodicity in leaves in relation to the development of storage and reproductive organs). *Biokhimiia* 10: 303-310. 1945. Ref. 385 B523
- English summary.
- 19545 SMITH, F. G., and WALKER, J. C. Relation of environmental and hereditary factors to ascorbic acid in cabbage. *Amer. J. Bot.* 33: 120-129. Feb. 1946. Ref. 450 Am36
- 19546 SNOW, R. Plagiotropism and correlative inhibition. *New Phytol.* 44: 110-117. Dec. 1945. 450 N42
- Effect of hetero-auxin paste on the apical buds.
- 19547 STEINBERG, R. A. A "frenching" response of tobacco seedlings to isoleucine. *Science* 103: 329-330. Mar. 15, 1946. Ref. 470 Sci2
- 19548 STEINBERG, R. A. Mineral requirements of *Lemna minor*. *Plant Physiol.* 21: 42-48. Jan. 1946. 450 P692
- 19549 STEWART, E. H., and VOLK, M. J. Relation between potash in soils and that extracted by plants. *Soil Sci.* 61: 125-129. Feb. 1946. Ref. 56.8 So3
- 19550 SUNESON, S. Note on a retarded germination of asexual swarms in *Enteromorpha linza*. *Bot. Notiser* 1945: 413-416. Ref. 450 B656
- 19551 SWARBICK, T. The prevention of pre-harvest fruit drop. *Gt. Brit. Min. Agr. Agriculture* 52: 509-511. Feb. 1946. 10 G79J
- 19552 TANNER, H. Les hormones et les plantes. *J. d'Agr. Suisse* 67(44): 1; (45): 2. Nov. 3, 10, 1945. 17 J82
- Plant hormones.
- 19553 TATUN, E. L., and GIESE, A. C. Sulfanilamide and respiration of *Neurospora*. *Arch. Biochem.* 9: 15-23. Jan. 1946. Ref. 381 Ar2
- 19554 THORNE, R. S. W. The growth of yeast 6479 in ternary mixtures of various nitrogen nutrients. *Inst. Brewing J.* 52: 5-14. Jan./Feb. 1946. 390.9 In7
- 19555 THORNE, R. S. W. A yeast growth inhibitive effect exhibited by tyrosine and glycine. *Inst. Brewing J.* 52: 15-16. Jan./Feb. 1946. 390.9 In7
- 19556 TINCKER, M. A. H. Note on spraying the parental plant to apply growth substances for facilitating propagation. *Roy. Hort. Soc. J.* 71: 84-87. Mar. 1946. 84 L84J
- 19557 TOWLE, D. S. Sap weather. *Nat. Hist.* 55: 110-112. Mar. 1946. 500 N483J
- Effect of temperature on maple sugar yield.
- 19558 TRITTEL, O. Aging of plant tissue and stress-strain curves, modulus of elasticity and specific gravity of plant tissues. *Kans. Acad. Sci. Trans.* 48: 186-197. Sept. 1945. Ref. 500 K13T
- 19559 TRONCHET, A., and TRONCHET, J. La mutation des vrilles est-elle influencée par les tuteurs? *Paris. Acad. des Sci. Compt. Rend.* 221: 451-453. Oct. 15, 1945. 505 P21
- 19560 TRONCHET, A., and TRONCHET, J. Remarques sur les variations de cote de hauteur, de rayon effectif et de vitesses dans le mouvement révolutif des vrilles. *Paris. Acad. des Sci. Compt. Rend.* 221: 427-428. Oct. 8, 1945. 505 P21
- 19561 TYNER, E. H., and WEBB, J. R. The relation of corn yields to nutrient balance as revealed by leaf analysis. *Amer. Soc. Agron. J.* 38: 173-185. Feb. 1946. Ref. 4 Am34P
- 19562 VAN OVERBERCK, J., GORDON, S. A., and GREGORY, L. E. An analysis of the function of the leaf in the process of root formation in cuttings. *Amer. J. Bot.* 33: 100-107. Feb. 1946. Ref. 450 Am36
- 19563 WALKER, J. C. Soil management and plant nutrition in relation to disease development. *Soil Sci.* 61: 47-54. Jan. 1946. Ref. 56.8 So3
- 19564 WILSON, J. D., and SLEESMAN, J. P. Spray materials and the blooming of potatoes. *Amer. Potato J.* 23: 57-64. Feb. 1946. Ref. 75.8 P842
- 19565 WINFIELD, M. E. The role of boron in plant metabolism. 3. The influence of boron on certain enzyme systems. *Austral. J. Expt. Biol. and Med. Sci.* 23: 267-272. Dec. 1945. Ref. 442.8 Au7
- 19566 ZUBRILIN, A. A., and NIKOLAEVA, L. I. K voprosu o roli karotina v oksislitel'noi sisteme rasteniia i prichiny ego razrusheniia pri sushke travy (Role of carotene in the plant oxydation system and causes of its deterioration in herb drying). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(7/8): 27-31. 1945. Ref. 20 Ak1

## BIOCHEMISTRY

- 19567 ANDRE, E., and KOGANE-CHARLES, M. Sur le dosage et l'identification de l'essence de graines de moutarde noire, *Brassica nigra* Koch. *Paris. Acad. des Sci. Compt. Rend.* 222: 103-105. Jan. 2, 1946. 505 P21
- 19568 BALLS, A. K. Production of fat by *Oidium lactis*. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1320, 9 p., processed. Washington, 1945. 157.8 R29
- 19569 BELVAL, H., and LAEUFFER, P. Localisation du système phénol-polyphénolase dans le tubercule de pomme de terre. *Paris. Acad. des Sci. Compt. Rend.* 222: 338-340. Feb. 4, 1946. 505 P21
- 19570 BERTRAND, G., and SILBERSTEIN, L. Sur la répartition du bore dans les diverses parties de la graine. *Inst. Pasteur, Paris. Ann.* 71: 440-444. Nov./Dec. 1945. 448.3 An75
- 19571 CHOLLET, M. M. Le stachyose dans *Catalpa bignonoides*. *Paris. Acad. des Sci. Compt. Rend.* 222: 242-244. Jan. 21, 1946. 505 P21
- 19572 DAS, R., and GIRI, K. V. On plant phosphatases. Part V. Leaf phosphatases - distribution and general properties. *Ann. Biochem. and Expt. Med.* 5: 63-74. 1945. Ref. 448.3 An73



19573 DENMARK. STATENS PLANTEAVLSUDVALG. Tørstofindholdet i rodfrugter i 1944. Protein content of root crops in 1944. Tidsskr. for Frøavl 17: 129. Jan. 10, 1945. 61.8 T43

19574 DROUINEAU, C., and GOUNY, P. Sur la catalase des feuilles de *Prunus persica* et ses variations dans les tissus atteints de chlorose spécifique des sols calcaires. Paris. Acad. des Sci. Compt. Rend. 221: 709-710. Dec. 3, 1945. 505 P21

19575 EGGLE, D. R., HESSLER, L. E., and ADAMS, J. E. Identity of some electro-dialyzable constituents of cotton root bark. Amer. Chem. Soc. J. 68: 48-49. Jan. 1946. 381 Am33J

19576 FRÈREJACQUE, M. La nériifoline, nouvel hétéroside digitalique de *Thevetia nerifolia*. Paris. Acad. des Sci. Compt. Rend. 221: 645-646. Nov. 19, 1945. 505 P21

19577 FRÈREJACQUE, M., and HASENFRATZ, V. Sur les principes immédiats des amandes de Tanghin (*Tanghinia venenifera*). Paris. Acad. des Sci. Compt. Rend. 222: 149-151. Jan. 7, 1946. 505 P21

19578 GOKHALE, V. G., and BHIDE, B. V. Chemical investigation of *Spilanthes acmella*. Indian Chem. Soc. J. 22: 250-252. Aug. 1945. 385 In27

19579 HAAGEN-SMIT, A. J., and others. Isolation of 3-indoleacetic acid from immature corn kernels. Amer. J. Bot. 33: 118-120. Feb. 1946. Ref. 450 Am36

W. B. Dandliker, S. H. Wittwer, and A. E. Murneek, joint authors.

19580 FOLT, A. S., and FRENCH, C. S. The photochemical production of oxygen and hydrogen ion by isolated chloroplasts. Arch. Biochem. 9: 25-43. Jan. 1946. Ref. 381 Ar2

19581 KRETOVICH, V., and others. Biokhimičeskije osobennosti iadovitogo prosa (Biochemical properties of toxic millet). Biokhimiia 10: 279-284. 1945. 385 B523

N. Sosedov, Z. Skripkina, and V. Shvetsova, joint authors.

English summary.

19582 LECAT, P. Quotient d'oxydation réversible de l'acide ascorbique chez quelques phanérogames terrestres. Paris. Acad. des Sci. Compt. Rend. 221: 639-641, 762-763. Nov. 19, Dec. 12, 1945. 505 P21

19583 LOMBARD, R. Sur la composition des sécrétions d'abietinées. Paris. Acad. des Sci. Compt. Rend. 222: 237-238. Jan. 21, 1946. 505 P21

Resinic acids from pine trees.

19584 MARION, L., and MANSKE, R. H. F. Identity of the hydrolytic base obtained from *Delphinium brownii* Rydb. with lycotoxine. Canad. J. Res. Sect. B, Chem. Sci. 24: 1-4. Jan. 1946. Ref. 470 C16B

19585 MILLER, O. H., and FISCHER, L. Comparative analyses of normal and tetraploid *Datura stramonium* and *Datura tatula*. Amer. Pharm. Assoc. J., Sci. Ed. 35(1): 23-27. Jan. 1946. 396.9 Am33J

19586 MITCHELL, H. K., and HICULAHAN, M. B. Neurospora. IV. A temperature-sensitive riboflavinless mutant. Amer. J. Bot. 33: 31-35. Jan. 1946. Ref. 450 Am36

19587 PORTER, J. W., and others. Carotene content of the corn plant. J. Agr. Res. 72: 169-187. Mar. 1, 1946. Ref. 1 Ag84J

F. M. Strong, R. A. Brink, and N. P. Neal, joint authors.

19588 RAO, M. R. R., and SREENIVASAYA, M. Asparagine from Indian pulses. Cur. Sci. 15: 25-26. Jan. 1946. 475 Sci23

19589 SHUTKO, A. Lipaza v semenakh kleshcheviny Bashkirii (Lipase in the Bashkirian castor beans). Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(6): 46-48. 1945. 20 Ak1

19590 STARKEY, R. L. Lipid production by a soil yeast. J. Bact. 51: 33-50. Jan. 1946. Ref. 448.3 J82

19591 TATUM, K. L., and BELL, T. T. Neurospora. III. Biosynthesis of thiamin. Amer. J. Bot. 33: 15-20. Jan. 1946. Ref. 450 Am36

19592 TUBA, J., and HUNTER, G. Isolation of ascorbic acid from rose hips. Canad. J. Res. Sect. B, Chem. Sci. 24: 46-50. Jan. 1946. Ref. 470 C16B

19593 TUBA, J., HUNTER, G., and STEELE, H. R. On the specificity of dye titration for ascorbic acid. Canad. J. Res. Sect. B, Chem. Sci. 24: 37-45. Jan. 1946. Ref. 470 C16B

Mainly in plants.

19594 WICKERHAM, L. J., FLICKINGER, M. H., and JOHNSTON, R. M. The production of riboflavin by *Ashbya gossypii*. Arch. Biochem. 9: 95-98. Jan. 1946. Ref. 381 Ar2

## SILVICULTURE

19595 C., M. B. Sweeter sap from maple trees. Rural New-Yorker 105: 194. Mar. 2, 1946. 6 R88

19596 COOK, D. B. Further notes on a larch plantation. J. Forestry 44: 58. Jan. 1946. 99.8 F768

19597 DOWNS, A. A. Response to release of sugar maple, white oak, and yellow-poplar. J. Forestry 44: 22-27. Jan. 1946. 99.8 F768

Response to weeding and thinning.

19598 GONZALEZ VAZQUEZ, E. Repoblaciones forestales. I-IV. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(14): 12-13, 20; (16): 12-13, 16; (17): 10-11; (18): 10-11. May, July-Sept. 1945. 15 Spl2

19599 GONZALEZ VAZQUEZ, E. Viveros forestales. VII. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(13): 10-11. Apr. 1945. 15 Spl2

19600 GRACE, N. H., and FARRAR, J. L. Vegetative propagation of conifers. XIV. Note on seasonal progress of rooting of Norway spruce cuttings. Canad. J. Res. Sect. C, Bot. Sci. 23: 189-191. Dec. 1945. Ref. 470 C16C

19601 JOHNSON, F. R. Extending the range of corkbark fir [*Abies lasiocarpa arizonica*]. J. Forestry 44: 57. Jan. 1946. 99.8 F768

19602 LE SUEUR, A. D. C. Arboreta and forest gardens in Great Britain. Q. J. Forestry 40: 21-23. Jan. 1946. 99.8 Q2

19603 LE SUEUR, A. D. C. Douglas fir, Plummers Plain, Sussex. Q. J. Forestry 40: 35. Jan. 1946. 99.8 Q2

19604 MCCOMB, A. L. Virginia pine in Iowa. J. Forestry 44: 60-61. Jan. 1946. 99.8 F768

19605 MCQUILKIN, W. E. Use of mulch, fertilizer, and large stock in planting clay sites. J. Forestry 44: 22-29. Jan. 1946. 99.8 F768

19606 ORTIZ GARMENDIA, J. La reforestación de la Zona Norte [Chile]. Campesino [Santiago] 77: 747-748. Dec. 1945. 9.3 Sol2

19607 RODGER, SIR A. Sane forestry: old woodland soils yield best results - superiority of mixed woods. Timber Trades J. 176: 925-926. Mar. 9, 1946. 99.81 T48

19608 SAWYER, L. E. Indiana strip-mine plantings. J. Forestry 44: 19-21. Jan. 1946. 99.8 F768

19609 SERRATO, G. Reforestación [Mexico]. Indus. Forest. 1(1): 23-25. Jan. 1945. 99.8 In23

19610 SMITH, J. Un film sur les pépinières et le reboisement. Forêt Québécoise 11: 13, 15. Jan. 1946. 99.8 F79

19611 STOCKWELL, P., and RICHTER, F. I. Pinus: the fertile species hybrid between knobcone and Monterey pines. Madroño 8: 157-160. Jan. 1946. 450 M26

## FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

### General

19612 BEASLEY, T. C. The use of clover in rotation on rice land in Louisiana. Better Crops with Plant Food 30(1): 19, 49-50. Jan. 1946. 6 B46



- 19613 ELLERTON, S. Expert knowledge--and local wisdom. *Farmers Weekly* [London] 24(4): 33. Jan. 25, 1946. 10 F2226  
Choosing the best variety of field crop seed.
- 19614 HAGAN, A. R. A rolling upland farm set up for balanced farming. *Impl. and Tractor* 61(1): 47, 62, 74. Jan. 12, 1946. 58.8 W41  
Crop rotations.
- 19615 HAMILTON, A. Agriculture on the Atherton Tableland in 1944-45. *Queensland Agr. J.* 61: 325-329. Dec. 1, 1945. 23 Q33  
Field crops.
- 19616 KOZLOVSKIY, A. Opyt raboty semenovodcheskogo sovkhosa. *Sovkhoz. Proizvod.* 5(8/9): 22-25. Aug./Sept. 1945. 20 So85  
Cultural practices at the Trubetchinsk seed producing state farm in the Riazan region.
- 19617 LAMAS, P. J. A. El lino y la rotación de los cultivos. *Buenos Aires y La Pampa*, No. 83, p. 30. Dec. 1945. 9 B868  
19618 LAUBSCHER, F. X. What can be planted now? *Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser.* 182, 2 p. Pretoria, 1946. 24 So82Pa  
Field crops.
- 19619 MOSOLOV, V. P. Otlichno provedem vesennii sev [Excellent management of the spring sowing]. *U. S. S. R. Narod. Komis. Zeml. Agrotekhsobety Kolkhoz.*, No. 13, 8 p. Apr. 1945. 20 Ag88  
Field crops.
- 19620 MUNN, M. T. A sower went forth to sow. *Amer. Agr.* 143: 144. Mar. 16, 1946. 6 Am3  
Field crops.
- 19621 PAVLOV, G. I. Vo vseoruzhii vstretit' vesennii sev v kolkhozakh [Full preparation for the spring sowing on the collective farms]. *U. S. S. R. Narod. Komis. Zeml. Agrotekhsobety Kolkhoz.*, No. 2/3, 16 p. Jan. 1945. 20 Ag88  
19622 STACEY, T. C. Climatic factors affecting crop production. *Sci. Agr.* 26: 79-82. Feb. 1946. 7 Sc12  
Field crops.
- 19623 TIDMARSH, C. E. M. The dry-lands problem in the northeastern Cape Province. *Farming in So. Africa* 21: 27-28, 33. Jan. 1946. 24 So842  
19624 WALSTER, H. L., and others. The 1945 crop season in North Dakota. *N. Dak. Agr. Expt. Sta. Bimo. B.* 8(3): 7-9. Jan./Feb. 1946. 100 N813B  
T. E. Stoa, L. Moenaw, J. P. Tiernan, V. Sturlaugson, W. H. Huber, C. N. Geiszler, and E. Martin, joint authors.  
Field crops.
- Cereals
- 19625 ADAIR, C. R. Recommended new varieties of rice for Arkansas. *Rice J.* 49(2): 3, 28. Feb. 1946. 50.8 R36  
19626 ANDREW, J., JR. Take your sweet corn by the ears. *East. States Co-op.* 21(11): 12-13. Nov. 1945. 280.28 Ea7  
Varieties.
- 19627 ARMSTRONG, S. F. Cereal varieties for spring sowing. *Gt. Brit. Min. Agr. Agriculture* 52: 481-482. Feb. 1946. 10 G79J  
19628 ARNOLD, H. C. Hybrid maize for Rhodesia: a modified method of production. *Rhodesia Agr. J.* 42: 421-426. Sept./Oct. 1945. 24 R34  
19629 ASHTON, J. A hybrid corn for south Texas; a new hybrid with tight shucks to protect the grain. *Farm and Ranch* 65(2): 24-25. Feb. 1946. 6 T31  
19630 BOLENS, G. Vers de nouvelles variétés de blé. *Rev. Romande d'Agr., de Vitic. et d'Arbor.* No. 2, p. 2-4. (Concl.) Feb. 1945. 17 J82A  
19631 BOYCE, S. W. Statistical studies on New Zealand wheat trials. I-II. *New Zeal. J. Sci. and Technol.* 27: 270-280. Oct. 1945. Ref. 514 M4KA  
I. The efficiency of lattice designs; II. The analysis of lattice trials with incomplete data.
- 19632 CASANOVAS, E. El Uruguay debe producir el maíz que necesita. *Uruguay. Min. de Ganad. y Agr. B. Inform.* 2: 21. Jan. 17, 1946. 9.9 G15B  
19633 CHARBONNEAU, R. L'orge dans le Québec. *Rev. d'Oka* 20: 24-27. Jan./Feb. 1946. 7 Ok1  
Miettes d'agrostologie. II.
- 19634 COSSETTE, R. Le seigle secale - rye. *Rev. d'Oka* 20: 32-33. Jan./Feb. 1946. 7 Ok1  
Miettes d'agrostologie. II.
- 19635 ECKHARDT, R. C., DOUGLAS, W. A., and HAMNER, A. L. Corn hybrids and varieties in Mississippi. *Miss. Farm Res.* [Miss. Sta.], 9(1): 2-3. Jan. 1946. 100 M69M1  
19636 ERYGIN, P., and BORODIN, M. O poluchenii vskhodov risa (Methods to obtain good germination of rice). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(6): 33-35. 1945. Ref. 20 Ak1  
19637 FOUR new recommended wheats which combine stem rust resistance with yield and quality. *Agr. Gaz. N. S. Wales* 57(1): 3-6. Jan. 1946. 23 N472  
19638 FRIEND, W. H. Sea breeze wheat for poultry. *Tex. Farming and Citric.* 22: 16. Feb. 1946. 80 T31  
19639 GALKINA, A. Kul'tura risa v sovkhozakh [Rice cultivation on the State farms]. *Sovkhoz. Proizvod.* 5(10): 15-18. Oct. 1945. 20 So85  
19640 GARCIA ROMERO, A. Anje la recolección de cereales. *Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural* 2(14): 7-8. May 1945. 15 Spl2  
19641 GOOD varieties of spring wheat. By Varro. *Field* 187: 246. Mar. 2, 1946. 10 F45  
19642 GUTIERREZ ESTRADA, J. Siembra técnica del maíz. *Cult. Agr.* 5(49): 22, 31. Dec. 1945. 9.4 C89  
19643 HAMILTON, J. W. Sumac 1712, "never-equalled all-purpose sorghum" proves good sirup producer in Oklahoma tests. *South. Seedsman* 9(2): 12, 40. Feb. 1946. 61.5 So8  
19644 HOWES, H. Dredge corn to the rescue; a spring-sown crop to help the food shortage. *Mod. Poultry Keeping* 54: 151. Feb. 20, 1946. 47.8 Ag3  
19645 HUGHES, H. D. More oats in 1946! *Breeder's Gaz.* 111(3): 7. Mar. 1946. 49 374  
To relieve feed shortage.
- 19646 IAKUSHKIN, I., and LUK'IANIUK, V. Osenii ukhod za ozimymi khlebami [Autumn care of winter grain crops]. *Kolkhoz. Proizvod.* 5(8/9): 16-17. Aug./Sept. 1945. 281.8 K83  
19647 JIRKAL, H., J. Algunos aspectos sobre semillas genéticas de trigo. *Unión Agr. del Sur* 3(20): 32-33. Nov. 1945. 0.3 Un3  
19648 JOHNSTONE, W. C. Hundred-bushel corn land. *South. Agr.* 76(3): 32. Mar. 1946. 6 So83  
Improvement of yields.
- 19649 JOLLY, R. G. Barley. *New Zeal. J. Agr.* 72(1): 19, 21-26. Jan. 15, 1946. 23 N485  
19650 KARPEN, R. E., and QUINBY, J. R. Successful sorghums; new varieties and proper practices make the Hegari family a bonanza for growers. *South. Seedsman* 9(3): 11, 34, 46. (Cont.) Mar. 1946. 61.8 So8  
19651 KOKLIAEV, A. K voprosu o mnogopochatkovosti kukuruzy. *Sovkhoz. Proizvod.* 5(8/9): 19-21. Aug./Sept. 1945. 20 So85  
Selection of "many-cobbed" hybrid corn.
- 19652 LARUE, W. C. Get hybrid seed corn this year. *Prog. Farmer, Car.-Va. Ed.* 61(3): 15, 83. Mar. 1946. 6 P445  
19653 MACINDOE, S. L. New stem rust resistant wheats to replace Eureka. *Agr. Gaz. N. S. Wales* 56: 530-531. Dec. 1, 1945. 23 N472  
19654 MCVICKAR, M. H., and PHILLIPPE, P. M. More stalks, more corn per acre. *South. Planter* 107(3): 20, 21. Mar. 1945. 6 So89  
Yielding ability of adapted hybrids.
- 19655 MARSHALL, J. H. There's magic in hybrid corn. *Carolina Co-op.* 24(2): 11, 14, 24. Feb. 1946. 72.8 N81  
19656 PALMER, J. D. Cereals for seed. *Gt. Brit. Min. Agr. Agriculture* 52: 486-491. Feb. 1946. 10 G79J



- 19657 PARHAM, B. E., and SUCKLING, J. J. C. Factors affecting rice production with special reference to the Southern Agricultural Division, 1945. Fiji. Dept. Agr. Agr. J. 16: 108-114. Dec. 1945. Ref. 25 F47Ag
- 19658 PARKER, J. H. The agricultural arm of the malting and brewing industries. Amer. Brewer 79(2): 39-40, 42, 44, 48, 78-79. Feb. 1946. 390.8 Am3 Barley.
- 19659 PIENMAR, J. J. Young maize-grower's consistent success; principles governing Lydenberg boy's achievement. Farmer's Weekly [Bloemfontein] 70: 1225. Jan. 16, 1946. 24 F225
- 19660 PETERSEN, P. M. Durum millers urge increased planting of durum wheat. Macaroni J. 27(10): 16, 18. Feb. 1946. 298.8 N46
- 19661 REDFERN, C., and FUGGLES-COUCHMAN, N. R. Large-scale wheat production at Oldesani, Tanganyika Territory, in 1943 and 1944. East African Agr. J. 11: 122-129. Oct. 1945. 24 Ea74
- 19662 RICKARD, J. A. The broomcorn capital. Beeville, Texas. Farm and Ranch 65(3): 20-21. Mar. 1946. 6 T31
- 19663 ROGERS, J. S., REEVES, R. G., and COLLIER, J. W. Results of tests with hybrid corn. Seed World 59(4): 24. Feb. 15, 1946. 61.8 Se52
- 19664 SANNAC, G. Les prochaines semailles de blé. B. Agr. des Hautes-Pyrénées 49: 63-65. Oct./Nov. 1945. 14 B875
- 19665 STOA, T. E. Cadet - a new beardless wheat. N. Dak. Agr. Expt. Sta. Bimo. B. 8(3): 21-22. Jan./Feb. 1946. 100 N813B
- 19666 STOA, T. E., and others. Varieties of wheat for North Dakota. N. Dak. Agr. Expt. Sta. Bimo. B. 8(3): 10-20. Jan./Feb. 1946. 100 N813B
- 19667 WALIRON, R. H. Harris, and L. D. Sibbitt, joint authors. 19667 STODDART, L. A. Rye nurse crops in range seeding. Ecology 27: 61-64. Jan. 1946. Ref. 410 Ec7
- 19668 SUAREZ DE CASTRO, F. Nuevas observaciones al artículo: "Investigaciones sobre densidad y distancias del trigo." Agr. Trop. 1(12): 12-14. Jan. 1946. 26 Ag8
- 19669 THOMPSON, E. G. Which spring wheat? Farmer & Stock-Breeder 60: 316. Feb. 12, 1946. 10 F228
- 19670 THROCKMORTON, R. I. The crop that wouldn't disappear coats. Country Gent. 116(3): 24, 91, 93. Mar. 1946. 6 C833
- 19671 VAZQUEZ HUMASQUE, A. Problemas agrícolas nacionales; roturación inaplazable. Rancho 2(4): 44-46. Feb. 1946. 8 R15R
- Suggestion for clearing Mexican land and planting corn.
- 19672 VIÉGAS, G. P., GERMEX, E. B., and MIRANDA, H. S. Contribuição para a melhoria da rizicultura no Estado de São Paulo. Bragantia 5: 187-196. Mar. 1945. 102.5 B73Tb
- 19673 WILSON, W. A. A crop for early grain [Sooner milo]. Farm and Ranch 65(2): 33. Feb. 1946. 6 T31
- 19674 WILSON, W. A. Have you tried sagrain [sorghum]? Farm and Ranch 65(3): 45. Mar. 1946. 6 T31
- Fiber Crops
- 19675 ALBUQUERQUE FILHO, M. C. DE. A guaxima [Urena lobata] como sucedâneo da juta. Brazil. Dept. Nac. de Prod. Veg. Secq. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 13-18. Dec. 1945. 9.2 B7363
- 19676 BALLARD, W. W. Empire, crown prince of cotton; new thrips resistant strain pushes present leaders with even better wilt resistant strains promised. South. Seedsman 9(3): 15, 32, 44. Mar. 1946. 61.8 So8
- 19677 BRANDÃO FILHO, J. S. A cultura da piteira [Furcraea gigantea]. Brazil. Dept. Nac. de Prod. Veg. Secq. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 93-102. Dec. 1945. 9.2 B7363
- 19678 COTTON for valley farms. Tex. Farming and Citric. 22: 5, 22. Feb. 1946. 80 T31
- 19679 CRANE, J. C., and ACUNA, J. B. The comparative evaluation of fourteen types of ramie under Cuban conditions. Amer. Soc. Agron. J. 38: 152-167. Feb. 1946. Ref. 4 Am34P
- 19680 EARL, L. Harvesting linen flax; improvements in handling. New Zeal. J. Agr. 72(1): 51-56. Jan. 15, 1946. 23 N485
- 19681 CONZÁLEZ IBARRA, E. El sisal y su importancia económica para el Estado. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 12-14. Dec. 1945. 8 R3291
- 19682 LYLE, E. W. Delint; tests show proper cotton seed care increases yields. South. Seedsman 9(3): 14, 54. Mar. 1946. 61.8 So8
- 19683 MAHTA, D. N. Developments in cotton growing in India. Cotton Trade J., Internatl. Ed. (1945/46) 14: 86, 88-93. 72.8 C82141
- 19684 MASSEY, G. F. Defoliating cotton with cyanimid [i. e. calcium cyanamide (?)]. Farm Impl. News 67(5): 43, 66, 68, 70. Feb. 28, 1946. 58.8 F22
- 19685 PICKEL, D. B. J. Uma importante planta industrial: - o caruru azedo [Hibiscus sabdariffa]. Rev. de Agr. Piracicaba, 20: 431-439. Sept./Dec. 1945. 9.2 R324
- 19686 WESTBROOK, E. C. Aim - 30,000 plants per acre. No. 2 in our series, "Better Cotton Growing in 1946." Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(3): 22. Mar. 1946. 6 P9456
- Forage Crops and Grasses
- 19687 ALEXANDER, E. D. Bermuda grass; needs good care. South. Agr. 76(3): 28. Mar. 1946. 6 So83
- 19688 ALLRED, B. W. Southwestern range plants. Sheep and Goat Raiser 26(6): 18, 20-21. Mar. 1946. 45.8 Sh3
- 19689 ANDERSEN, J. C. Forsøg med sødlupin. Tidsskr. for Frøavl 17: 165. Apr. 10, 1945. 61.8 T43
- Lupine culture in Denmark.
- 19690 ANDREW, W. D. Pasture investigations. Victoria. Dept. Agr. J. 44: 3-11, 30. Jan. 1946. 23 V66J
- Pasture improvement.
- 19691 BARTLETS, L. C. Irrigated pastures. Victoria. Dept. Agr. J. 44: 31-32. Jan. 1946. 23 V66J
- 19692 BATES, E. M. Pasture establishment. New Zeal. J. Agr. 72(1): 71-73. Jan. 15, 1946. 23 N485
- 19693 BAYER, L. D. More grass and better: how to get it. Prog. Farmer, Car.-Va. Ed. 61(3): 24-25. Mar. 1946. 6 P945
- 19694 BENDER, C. C. Pasture--What about it? Guernsey Breeders' J. 69: 353-356. Feb. 15, 1946. 43.8 G93
- 19695 BLAIR, E. C. Common lespedeza makes a comeback. South. Agr. 76(3): 39. Mar. 1946. 6 So83
- 19696 BOULET, L. J. Principaux avantages d'une saine agriculture d'herbages. Rev. d'Oka 20: 1-8. Jan./Feb. 1946. Ref. 7 Ok1
- 19697 BOYKO, H. On pasture problems in Palestine. Palestine J. Bot., Rehovot Ser. 5: 52-58. Sept. 1945. 450 P172
- 19698 BURTON, G. W. What about Bahia grass? South. Seedsman 9(2): 15, 59, 62. Feb. 1946. 61.8 So8
- 19699 CARVAJALINO JACOME, L. J. Un programa agrostológico para Colombia. Agr. Trop. 1(12): 26-29. Jan. 1946. 26 Ag8
- 19700 CORNELIUS, D. R. Reseeding to tall grasses. Kans. Stockman 30(5): 22, 36. Mar. 1946. 49 K134
- 19701 CULLEN, W. Why not lucerne? Farmers Weekly [London] 24(4): 31. Jan. 25, 1946. 10 F2226
- 19702 DICKNEY, J. B. R. Seeding for next year's hay crop. Pa. Farmer 134: 125, 138. Feb. 23, 1946. 6 P183
- 19703 DOBBAS, B. Ley farming in England. West. Livestock J. 24(17): 69-70. Feb. 15, 1946. 6 F2278



- 19704 E., G. B. Trebol encarnado (*Trifolium incarnatum* L.). *Campeño* [Santiago] 77: 755. Dec. 1945. 9.3 Sol2
- 19705 ELROD, J. M., and ELEDSON, R. P. Lespedeza sericea in Georgia. *Seed World* 59(4): 25. Feb. 15, 1946. 61.8 Se52
- 19706 FERGUS, H. Experience with pasture crops. *Pa. Farmer* 134: 170. Mar. 9, 1946. 6 F333
- 19707 FOLEY, W. T. More about pastures. *Farmer* [St. Paul]. Gen. Ed. 64(6): 22. Mar. 16, 1946. 6 F2211
- 19708 FOSTER, R. E. Veld management in the Southern Transvaal and North-Eastern Orange, Free, State. *Farming in So. Africa* 21: 19-23. Jan. 1946. 24 So842
- 19709 GERVAIS, C. Les panicées [*Setaria*, *Digitaria*, *Panicum*, *Echinochloa*]. *Rev. d'Oka* 20: 27-30. Jan./Feb. 1946. 7 Ok1
- 19710 GETZE, E. B. Grass for the Northeast. *Rural New-Yorker* 105: 180, 213. Mar. 2, 1946. 6 R88
- 19711 GRASSLAND on the farm. II. Species and strains. *North. Ireland. Min. Agr. Monthly Rpt.* 20: 296-302. Feb. 1946. 256.13 Ag82M
- 19712 GUINEA, E. *Agrostologia tropicalis*. *Surco* [Madrid] 4(45): 22-26. Nov. 1945. 15 Su7
- 19713 HOLLOWELL, E. A. New hard seeded crimson clover promises better voluntary stands for South-east's pasture areas. *South. Seedsman* 9(2): 20. Feb. 1946. 61.8 So8
- 19714 HUGHES, H. D., and PETERSON, M. L. Building better pastures. *Farm Sci. Rptr.* 7(1): 14-18. Jan. 1946. 275.28 F22
- 19715 HUTCHESON, T. B. More feed for Virginia farmers: how to get it [by pastures]. *Prog. Farmer, Car.-Va.* Ed. 61(3): 22. Mar. 1946. 6 P945
- 19716 INCH, R. Harvesting white clover. *New Zeal. J. Agr.* 72(1): 63. Jan. 15, 1946. 23 N485
- 19717 JONES, E. C. Kudzu in New York State. *Rural New-Yorker* 105: 242. Mar. 16, 1946. 6 R88
- 19718 K., W. H. Don't discount pastures; farmers taking part in pasture improvement program insist pastures are most valuable of Northwest crops. *Farmer* [St. Paul]. Gen. Ed. 64(5): 7, 24-25. Mar. 2, 1946. 6 F2211
- 19719 KHARCHENKO, V. Podzimnie posevy kormovykh korneplodov [Pre-winter planting of forage root crops]. *Kolkhoz. Proizvod.* 5(8/9): 17. Aug./Sept. 1945. 281.8 K83
- 19720 LEES, A. B. Light single grass mixtures. *Farmer & Stock-Breeder* 60: 113. Jan. 15, 1946. 10 F228
- 19721 THE LUCERNE - cocksfoot combination. By Varro. *Field* 187: 194. Feb. 16, 1946. 10 F45
- 19722 MCKEE, R., HYLAND, H. L., and RITCHEY, G. E. Preliminary information on sweet lupines in the United States. *Amer. Soc. Agron. J.* 38: 168-172. Feb. 1946. 4 Am34P
- 19723 MARCIL, B. Le foin bleu [*Calamagrostis canadensis*]. *Rev. d'Oka* 20: 30-32. Jan./Feb. 1946. 7 Ok1
- 19724 MEEKS, L. W. Run-down fields. *Mich. Farmer* 206: 148, 171. Mar. 2, 1946. 6 M58
- 19725 MIDGLEY, A. R., and GERSHOY, A. Birdsfoot trefoil [*Lotus corniculatus*] may propagate by root cuttings. *Amer. Soc. Agron. J.* 38: 197-199. Feb. 1946. 4 Am34P
- 19726 MOMBORG, J. A. La betarraga como forraje succulento. II. *Unión Agr. del Sur* 3(20): 29-31. Nov. 1945. 9.3 Un3
- 19727 MOTT, G. O. Legume-grass mixtures prove worthy. *Farmer* [St. Paul]. Gen. Ed. 64(5): 13. Mar. 2, 1946. 6 F2211
- 19728 MUIR, W. A. There is good money in good grasses. *Canad. Countryman* 35(6): 38. Mar. 16, 1946. 7 C833
- 19729 NIXON, W. M. Hubam takes the Texas Blackland. *Soil Conserv.* 11: 186-188. Feb. 1946. 1.6 So3S
- 19730 NIXON, W. M. Lespedeza, a three-way legume. *Farm and Ranch* 65(3): 32-33. Mar. 1946. 6 T31
- 19731 NOONAN, J. B. Introduce clover pastures; into the rotation for New England to rehabilitate depleted soils and conserve fertility. *Agr. Gaz. N. S. Wales* 56: 527-529. Dec. 1, 1945. 23 N472
- 19732 PAINE, K. E. Bromegrass is worth humoring. *East. States Co-op.* 21(11): 14-15. Nov. 1945. 280.28 Ea7
- 19733 PARHAM, B. E. The "blue" grasses in Fiji. *Fiji. Dept. Agr. J.* 16: 104-107. Dec. 1945. Ref. 25 F47Ag
- 19734 PEDERSEN, A., and STAPEL, C. Undersøgelser over lucernens bestøvning i 1944 [Investigations on the pollination of alfalfa in 1944]. *Tidsskr. for Frøavl* 17: 176-182. May 10, 1945. 61.8 T43
- 19735 PRELLER, J. H. Veld management in south-eastern border districts of the Cape Province. *Farming in So. Africa* 21: 41-44. Jan. 1946. 24 So842
- 19736 SAKSHAUG, B. Beitesaken, fortid, nåtid og framtid. *Tidsskr. for det Norske Landbr.* 52: 253-264. Dec. 1945. 11 T433
- 19737 SEATH, D. M. Pasture management can help. *Prog. Farmer, Miss.-Ark.-La.* Ed. 61(3): 79. Mar. 1946. 6 So81
- 19738 SEEDS mixtures for grassland. By Varro. *Field* 187: 130. Feb. 2, 1946. 10 F45
- 19739 SERVISS, G. Growing more cow feed this summer. *Amer. Agr.* 143: 115, 117. Mar. 2, 1946. 6 Am3
- 19740 SERVISS, G. Seeding practices. *Amer. Agr.* 143: 86, 89. Feb. 16, 1946. 6 Am3
- 19741 SEVERSON, H. New strain extends Bahia grass' scope. *Seed World* 59(4): 18, 20. Feb. 15, 1946. 61.8 Se52
- 19742 SEDVGAARD, O. Undersøgelser over lucernens bestøvningsforhold. *Tidsskr. for Frøavl* 17: 211-214. July 10, 1945. 61.8 T43
- 19743 SOROA, J. M. DE. Agricultura; normas para la buena henificación. *Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural* 2(13): 4-5. Apr. 1945. 15 Spl2
- 19744 SPECIALISED farming. VII. Italian ryegrass seed production. *North. Ireland. Min. Agr. Monthly Rpt.* 20: 293-296. Feb. 1946. 256.13 Ag82M
- 19745 SUTTLE, A. D. A new legume for the South; wild winter peas. *Better Crops with Plant Food* 30(1): 6-8, 48-49. Jan. 1946. 6 B46
- 19746 SYKES, F. American sweet clover. *Brit. Min. Agr. Agriculture* 52: 512-514. Feb. 1946. 10 G79J
- 19747 TABOR, P. Lespedeza; once a harmless weed, now one of nature's greatest providers. *Prog. Farmer, Tex.* Ed. 61(3): 19, 81. Mar. 1946. 6 T311
- 19748 TABOR, P. 100 years of annual lespedeza. *Prog. Farmer, Miss.-Ark.-La.* Ed. 61(3): 17. Mar. 1946. 6 So81
- 19749 TURNER, F. N. Safe--but not sound; it is not possible to get the best out of ley farming if the accepted rules are observed to the letter year in year out. *Farmers Weekly* [London] 24(3): 31. Jan. 18, 1946. 10 F2226
- 19750 TVERDOVSKII, V. Khranenie semennikov kormovykh korneplodov [Seed storage of forage root crops]. *U. S. S. R. Narod. Komis. Zeml. Agrotekhn. sovety Kolkhoz.*, No. 30, 8 p. Moskva, 1945. 20 Ag88
- 19751 VERSHININ, A. Posev mnogoletnikh trav v mezhduradifa pokrovnoy kul'tury (Interplanting clover and timothy in cover crops). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(6): 25-27. 1945. 20 Ak1



19752 WHITTET, J. N. Temporary pastures in the wheat rotation, a means of increasing animal products. *Agr. Gaz. N. S. Wales* 57(1): 2, 46. Jan. 1946. 23 M472

#### Oil Crops

19753 BLEDSOE, R. P., and GORE, U. R. Gatan soybean proves superior. *Seed World* 59(2): 26. Jan. 18, 1946. 61.8 Se52

19754 BLEDSOE, R. P., and GORE, U. R. Growing soybeans for seed and hay in Georgia. *Ga. Dept. Agr. Market B.* 29(23): 8. Feb. 20, 1946. 280.39 G292

19755 BRUMPT, E. Essais de culture de 23 variétés de soja à la Station Universitaire de Richelieu (Indre-et-Loire). *Paris. Acad. des Sci. Compt. Rend.* 222: 408-410. Feb. 11, 1946. 505 P21

19756 CALLAND, J. W. Soybean cultural practices in Indiana. *Soybean Digest* 6(4): 12-13. Feb. 1946. 60.38 So9

19757 DILLMAN, A. C. The flaxseed situation. *Dakota Farmer* 66(5): 10, 16. Mar. 2, 1946. 6 D14

Yields and varieties.

19758 FENNE, S. B. Treat peanut seed to improve yields. *South. Planter* 107(3): 10. Mar. 1946. 6 So89

19759 GUTIERREZ V., G. La higuera [Ricinus communis], sus posibilidades industriales; su cultivo. Parte 2. *Agr. Trop.* 1(12): 7-8. Jan. 1946. 26 Ag8

19760 HENSON, P. R., and CARR, R. B. Soybean varieties and dates of planting. *Miss. Farm Res. Miss. Sta.*, 9(1): 4-7. Jan. 1946. 100 M69M1

19761 HURT, E. F. Sunflower as an oilseed crop. *Seed and Nursery Trader* 43(10): 3, 5-6. Oct. 20, 1945. 80 Au72

19762 KLEIN, J. Olive research program started. *Calif. Cult.* 93: 133, 160-161. Mar. 2, 1946. 6 C12

19763 LANGHAM, D. G. Hoja fruncida, un carácter indeseable en el ajonjolí (*Sesamum indicum* L.). *Agr. Venezol.* 10(112): 15-16. Dec. 1945/Jan. 1946. 9.95 Ag8

19764 TIMSON, S. D. The ground nut; suggestions for ensuring profitable yields. *Rhodesia Agr. J.* 42: 427-431. Sept./Oct. 1945. 24 R34

19765 TINDALL, C. What about growing soybeans? *Mo. Ruralist* 87(4): 3, 20. Feb. 23, 1946. 6 R8891

#### Sugar Crops

19766 BURRESS, L. G. Gooding County Idaho, moves forward. *Sugar Beet* 6(2): 16. Mar. 1946. 66.8 Su34B

Sugar beet culture.

19767 DECOUX, L., WAUTHY, R., and CLAWERHOUT, L. Enquête sur les semis précoces de betterave, des planteurs, en 1944. *Inst. Belge pour l'Amélior. de la Betterave P.* 13: 59-62. Mar./Apr. 1945. 66.9 In7

English summary.

Sugar beets.

19768 DECOUX, L., VANDERWAEREN, J., and SIMON, M. Quelques essais de semis précoces de betterave sucrière en 1944. *Inst. Belge pour l'Amélior. de la Betterave P.* 13: 22-58. Mar./Apr. 1945. 66.9 In7

English summary.

19769 DIÉGUES, M., JR. Aspectos da monocultura açucareira nas Alagoas. *Brasil Açucareiro* 26: 626-628. Dec. 1945. 65.8 B73

19770 FLANAGAN, S. E. New land and sugar beets. *Sugar Beet* 6(2): 12-13. Mar. 1946. 66.8 Su34B

19771 IDAHO'S gold nuggets, sugar beets. By Salmon River Sam. *Sugar Beet* 6(2): 22-23. Mar. 1946. 66.8 Su34B

19772 LEE, A. R. Beets and more beets says Lee. *Sugar Beet* 6(2): 23. Mar. 1946. 66.8 Su34B

19773 MANUEL, G. D. Fertilizing before planting sugar beets. *Spreckels Sugar Beet B.* 10(1): 8. 1946. 66.8 Sp7

19774 STEVENSON, G. C. Trois nouvelles variétés de canne à sucre. *Rev. Agr. de l'île Maurice* 24: 253-258. Sept./Oct. 1945. 24 M44

19775 TAVERNETTI, A. A. Planting sugar beets in Monterey County on 50-inch beds. *Spreckels Sugar Beet B.* 10(1): 4. 1946. 66.8 Sp7

#### Tobacco

19776 ANTONENKO, G. Kak vyrashchivat' makhorku [How to grow Nicotiana rustica]. *U. S. S. R. Narod. Komis. Zeml. Agrotekhsobety Kolkhoz.*, No. 14, 8 p. Apr. 1945. 20 Ag88

19777 ATTOS, O. J. Leaf-burn of tobacco as influenced by content of potassium, nitrogen, and chlorine. *Amer. Soc. Agron. J.* 38: 186-196. Feb. 1946. Ref. 4 Am34P

19778 HYDE, W. C. History of tobacco-growing in New Zealand. *New Zeal. Inst. Hort. J.* 15(2): 1-5. Jan. 1946. 87 N485J

19779 KINCAID, R. S. Undercover crop; tobacco for cigar wrappers is grown under a protective shade of cotton cloth. *South. Agr.* 76(3): 27. Mar. 1946. 6 So83

19780 ORTIZ R., G. La importancia de la selección de las plantas para semillas en el cultivo del tabaco. *Rev. Agr. y Ganad.* 7(95): 25-26. Nov./Dec. 1945. 9.4 R327

19781 PUROLUK tütün nasıl yetiştirilir, Cigar tobacco, how it is grown. Turkey. İnhisarlar Tütün İnstitüsü. Yayınlarından, Ser. B, No. 17, 10 p. İstanbul, 1945. 69.9 T842Y

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

##### General

19782 AGENDA des horticulteurs, 52, 1946, 272 p. Lyon, 1945? 80 Ag3

Compendium of useful information.

19783 ALLEN, R. C. Working out the horticultural program. *Natl. Council State Gard. Clubs. B.* 17(2): 4-6. Feb. 1946. 90.32 N21

19784 B., F. Planting young trees. *Rural New-Yorker* 105: 185. Mar. 2, 1946. 6 R88

19785 BAILEY, L. H. The joy of growing plants. *Natl. Hort. Mag.* 25: 1-2. Jan. 1946. 80 N216

19786 BAILLY, R. 10 steps to earlier plants. *Home Gard.* 7(2): 15-18. Feb. 1946. 80 H756

19787 BARRETT, K. C. Keeping records straight. *Flower Grower* 33: 98. Feb. 1946. 80 M72

Records of plants ordered for gardens.

19788 BEAMER, L. C. Success or failure for 1946 in gardening? *Va. Fruit* 34(2): 18. Feb. 1946. 81 V81B

19789 BINKLEY, A. M. Growing plants without soil. *Green Thumb* 2: 14-16. Jan. 1945. 80 G82

19790 BIRD, A. C. Connecticut Nurserymen's Association, meeting. *Amer. Nurseryman* 83(4): 30. Feb. 15, 1946. 80 Am371

19791 BICOURT, A. W. Growing plants from seeds. *New England Homestead* 119(5): 12. Mar. 9, 1946. 6 M42

19792 CARLETON, R. M. Most revolutionary of all new materials coming to aid gardeners is vermiculite, the garden stepchild. *Flower Grower* 33: 87-88, 138-139. Feb. 1946. 80 M72

As soil conditioner for plant propagation.

19793 CARLETON, R. M. Standardization confusion. *Horticulture* 24: 142. Mar. 1, 1946. 80 H787

Common names of plants.

19794 CHADWICK, L. C. Better methods of plant propagation described. *South. Florist and Nurseryman* 58(46): 15-17, 19-20. Feb. 15, 1946. 80 So86

19795 CHADWICK, L. C. Ohio Nurserymen's Association's peacetime program. *Amer. Nurseryman* 83(4): 13-14, 44-46. Feb. 15, 1946. 80 Am371

19796 CHADWICK, L. C. Propagation problems. *Florists Exch.* 106(8): 13, 16, 55-57. Feb. 23, 1946. 80 F666



- 19797 CRAIG, F. W. West Virginia meeting. Amer. Nurseryman 83(5): 34-35. Mar. 1, 1946. 80 Am371
- West Virginia Nurserymen's Association.
- 19798 CRANE, M. B. The classification of horticultural plants; varieties, synonyms and strains. Roy. Hort. Soc. J. 71: 56-61. Mar. 1946. Ref. 84 L84J
- 19799 CUMMINGS, M. B. Springtime greenhouse in northern Vermont. New England Homestead 119(5): 8. Mar. 9, 1946. 6 M42
- 19800 DOOLE, L. E. Garden adventure. Nebr. Farmer 88(4): 10-11. Feb. 16, 1946. 6 N27
- 19801 DURHAM, R. F. The Royal Horticultural Society. Natl. Hort. Mag. 25: 15-17. Jan. 1946. 80 N216
- 19802 F., E. Good grafting results. Rural New-Yorker 105: 243. Mar. 16, 1946. 6 R88
- 19803 FARNHAM, R. B. New Jersey staff sponsors schools in production centers. Florists' Rev. 97 (2516): 37-39. Feb. 14, 1946. 80 W41
- Information on greenhouse problems.
- 19804 FARRINGTON, E. I. Post-war gardening will be different. Free Amer. 9(3): 13-14. Autumn 1945. 280.8 F872
- 19805 G., N. W. Gardening as a hobby. Mich. Pub. Health 34: 53. Mar. 1945. 449.7 M58M
- 19806 GROVE, L. C. How horticultural, fact-finding is conducted in Iowa. Natl. Council State Gard. Clubs. B. 17(2): 6-10. Feb. 1946. 90.32 N21
- 19807 HASTINGS, W. R. Garden innovations for 1945. Natl. Council State Gard. Clubs. B. 17(2): 10-13. Feb. 1946. 90.32 N21
- 19808 HAUSCH, J. Oregon meeting highlights. Amer. Nurseryman 83(6): 36-38. Mar. 15, 1946. 80 Am371
- Oregon Association of Nurserymen.
- 19809 HOUSTON, R. Ohio State University, short course sets record. Amer. Nurseryman 83(4): 12, 38-39. Feb. 15, 1946. 80 Am371
- 19810 HUNZIKER, H. E. Michigan's victory celebration. Amer. Nurseryman 83(4): 15-16, 35. Feb. 15, 1946. 80 Am371
- Michigan Association of Nurserymen.
- 19811 KEITH, C. Important resolutions passed at C. F. & V. G. meet--record attendance. Canad. Hort. & Home Mag. 69: 31-33, 38. Feb. 1946. 80 C16
- Ontario Fruit Growers' Association and Ontario Vegetable Growers' Association.
- 19812 KEITH, C. Secretary Allied Florists and Growers of Canada, Inc., reports on Columbus and Cornell courses. Canad. Florist 41: 43, 54-56. Feb. 5, 1946. 80 C163
- 19813 KELLY, G. W. Horticulture program at Denver. Amer. Nurseryman 83(5): 32-33. Mar. 1, 1946. 80 Am371
- Colorado Forestry and Horticulture Association.
- 19814 LEININGER, MRS. F. Methods of seed sowing. Minn. Hort. 74: 37-38. Mar. 1946. 81 M66
- 19815 LEMMON, R. S. Seeds can be cranky, too. Home Gard. 7(2): 42. Feb. 1946. 80 H756
- Difficulties in germinating seeds.
- 19816 LLANO GÓMEZ, E. Propagación de plantas. Rev. Agr. y Ganad. 7(95): 16-17. (Cont.) Nov./Dec. 1945. 9.4 B327
- 19817 MCAFEE, H. M. Ideas for garden planning this spring. Canad. Hort. & Home Mag. 69: 31-32. Feb. 1946. 80 C16F
- 19818 MCFARLAND, J. E. The 1946 horticultural outlook. Flower Grower 33: 78. Feb. 1946. 80 M72
- 19819 MEHL, R. P. Pennsylvania holds victory meeting. Amer. Nurseryman 83(6): 11-12. Mar. 15, 1946. 80 Am371
- Pennsylvania Nurserymen's Association.
- 19820 MEYER, H. What kinds of seeds should I buy? Organic Gard. 8(4): 9-10. Mar. 1946. 56.8 Or3
- 19821 NEAL, J. H. Get more from the garden by irrigating. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(3): 78. Mar. 1946. 6 P9450
- 19822 WOLAW, A. W. Nature study and gardening. Recreation 39: 651, 670-671. Mar. 1946. 280.68 P69
- 19823 PIRONE, F. P. Hear New Jersey Association of Nurserymen, committee reports. Amer. Nurseryman 83(4): 10, 47-48. Feb. 15, 1946. 80 Am371
- 19824 R., J. Border your vegetable patch with flowers. Mich. Pub. Health 34: 55, 59. Mar. 1945. 449.7 M58M
- 19825 ROSE, J. Checking the catalogues with the home gardener. Mich. Pub. Health 34: 43-45, 50. Mar. 1945. 449.7 M58M
- 19826 SHAFFER, M. B. A little care in gardening, brings big success. Farm and Ranch 65(3): 40. Mar. 1946. 6 T31
- 19827 TAYLOR, H. C. Year's work of New York State Nurserymen's Association. Amer. Nurseryman 83(4): 9. Feb. 15, 1946. 80 Am371
- 19828 TILSON, H. G. Largest Kentucky meeting. Amer. Nurseryman 83(5): 36-38. Mar. 1, 1946. 80 Am371
- Kentucky Nurserymen's Association.
- 19829 VANDERBROOK, L. C. New England Nurserymen's Association, thirty-fifth convention. Amer. Nurseryman 83(4): 11, 49-50. Feb. 15, 1946. 80 Am371
- 19830 WEINARD, F. F. Recent scientific developments in greenhouse practices. Greenhouse Gossip 5(1): 3-5. Jan. 1946. 80 G83
- 19831 WHITE, R. P. Legislation facing the American Association of Nurserymen. Amer. Nurseryman 83(5): 28, 52-53. Mar. 1, 1946. 80 Am371
- 19832 WHITEHEAD, S. B. Seed sowing in February. Field 187: 192. Feb. 16, 1946. 10 M45
- 19833 WILSON, F. C. Seed sowing. Gard. Chron. 50: 63, 90. Mar. 1946. 80 G1632
- 19834 WING, A. S. It is not too early to start your postwar garden. Small Homes Ann. 1945: 187. 296.8 Sml2
- 19835 WING, A. S. Reconverting our gardens. Flower Grower 33: 89. Feb. 1946. 80 M72
- Fruits--General
- 19836 BEAR, E. M. In the fruit plantation; pruning simplified. Fruit-Grower 101: 71-72. Jan. 24, 1946. 80 F641
- 19837 BURRELL, A. B. At the New York fruit meetings. Rural New-Yorker 105: 188. Mar. 2, 1946. 6 R88
- 19838 COLLINS, R. A. The most productive orchard in Oregon. Better Fruit 40(8): 14-15. Feb. 1946. 80 B46
- 19839 DICKSON, G. H. Orchard planning. Canad. Hort. & Home Mag. 69: 26-27. Feb. 1946. 80 C16
- 19840 E., C. W. Ohio fruit growers meet. Rural New-Yorker 105: 240. Mar. 16, 1946. 6 R88
- 19841 GUSMÃO, A. DE O. Época de maturação das frutas no Brasil. Brazil. Dept. Nac. de Prod. Veg. Secq. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 51-89. Dec. 1945. 9.2 B7363
- From Boletim do Serviço de Economia Rural.
- 19842 KAUFMANN, F. Etwas über die obstgehölzpflanzung. Schweiz. Gart., No. 10, p. 282-284. Oct. 1945. 80 Sch93
- 19843 MITCHELL, E. W. The flowers that bloom in the spring. Amer. Agr. 143: 140. Mar. 16, 1946. 6 Am3
- Spring care for fruit trees.
- 19844 NATIVIDADE, J. V. A sobreexertia das fruteiras adultas. Portugal. Junta Nac. das Frutas. B. 5(5): 10-14. May 1945. 286.3939 P83
- 19845 PAULA, H. DE S. Conselho aos agricultores. Brazil. Dept. Nac. de Prod. Veg. Secq. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 41-43. Dec. 1945. 9.2 B7363
- Seasonal care of fruit trees.
- 19846 POMEROY, A. Fruits for your delight. Gard. Chron. 50: 84. Mar. 1946. 80 G1632



- 19847 R., J. Garden-fresh fruit is better too. Mich. Pub. Health 34: 56. Mar. 1945. 449.7 M58M  
 19848 ROLLINS, H. A. When spring comes to the orchard. Rural New-Yorker 105: 234, 245. Mar. 16, 1946. 6 R88  
 19849 TUKEY, H. B. Fruit problems of today - and to-morrow. Rural New-Yorker 105: 179, 198. Mar. 2, 1946. 6 R88  
 19850 WITTROCK, G. L. Pruning fruit trees in summer. Organic Gard. 8(4): 42-45. Mar. 1946. 56.8 Or3

#### Fruits--Citrus and Subtropical

- 19851 ALVAREZ ULLÁN, F. El olivo - en el mundo (Interés de este cultivo en México). Rancho 2(4): 11-13. Feb. 1946. 8 R15R  
 19852 BENTON, R. J. The heavy "drop" of citrus fruit; influence of tree health. Agr. Gaz. N. S. Wales 57(1): 21, 26. Jan. 1946. 23 N472  
 19853 EVANOFF, L. Réflexions sur la taille de formation de l'oranger. Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc. 15: 256-258. Dec. 1945. 80 F4422  
 19854 BLACKMON, G. H. Planting and caring for the home orchard. Citrus Indus. 27(2): 14. Feb. 1946. 80 C49  
 19855 BONNET, P. La culture des olives. J. Agr. Suisse 67(45): 2. Nov. 10, 1945. 17 J82  
 From La France Agricole.  
 19856 BROWN, A. C. State Plant Board, Florida; alert to protect growers' interests. Citrus Indus. 27(2): 8. Feb. 1946. 80 C49  
 19857 CROSBY, J. Butte County olives profitable. Calif. Cult. 93: 106, 117. Feb. 16, 1946. 6 C12  
 19858 CROSBY, J. Causes of poor oranges. Calif. Cult. 93: 178-179. Mar. 16, 1946. 6 C12  
 19859 CROSBY, J. Orange quality must be improved. Tex. Farming and Citric. 22: 19. Feb. 1946. 80 T31  
 19860 CROSBY, J. Planting subtropicals. Calif. Cult. 93: 97, 131. Feb. 16, 1946. 6 C12  
 Citrus and avocado.  
 19861 LE RICHE, F. J. H. Guava varieties in South Africa. Farming in So. Africa 21: 9-17. Jan. 1946. 24 S842  
 19862 LIVINGSTON, B. From birds' eggs to citrus that's a "dream." Fla. Grower 54(1): 5, 8. Jan. 1946. 80 F6622  
 19863 MAIA, D. Instruções práticas para o plantio do coqueiro anão. Campo, Rio de Janeiro, 16(192): 21-24. Dec. 1945. 9.2 C15  
 19864 MOSHER, H. Florida citrus gets early bloom. Citrus Leaves 26(2): 17. Feb. 1946. 80 C492  
 19865 MOTT, F. M. Our trip through the citrus South. Calif. Citrog. 31: 152, 172-177. Mar. 1946. 30 C125  
 19866 NELSON, G. H. The romance of Bathurst pineapples; first plants propagated from fruit grown in Natal; all-the-year-round crop. Farmer's Weekly [Bloemfontein] 70: 1222. Jan. 16, 1946. 24 F225  
 19867 CERIST, SISTER J. Sports of sports. Amer. Bot. 52: 7-11. Jan. 1946. 450 Am33  
 Pink grapefruit.  
 19868 PREST, R. L. Propagation of citrus trees. Queensland Agr. J. 62: 7-9. Jan. 1, 1946. 23 Q33  
 19869 ROMERO MONTERO, R. El naranjo, planta burguesa, requiere exquisitos cuidados. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(16): 2-4, 9. July 1945. 15 Sp12  
 19870 RUTHERFORD, D. M. Santa Barbara's lemons. Calif. Citrog. 31: 188-190. Mar. 1946. 80 C125  
 19871 SMOYER, K. M. Pruning of citrus trees. Citrus Leaves 26(3): 13, 24, 26. Mar. 1946. 80 C492

#### Fruits--Deciduous

- 19872 B., P. Arboriculteurs, ne négligez pas le traitement d'hiver de vos arbres fruitiers! Rev. Romande d'Agr., de Vitic. et d'Arbor., No. 2, p. 8. Feb. 1945. 17 J82A

- 19873 BAKER, C. E. Pruning young apple trees. Rural New-Yorker 105: 181. Mar. 2, 1946. 6 R88  
 19874 BANTA, E. Is it a plum or a prune? Amer. Fruit Grower 66(3): 9, 43. Mar. 1946. 80 G85  
 19875 BANTA, E. Success with plums. Amer. Fruit Grower 66(3): 13, 32-33, 37. Mar. 1946. 80 G85  
 19876 BLAKE, M. A. Four new varieties of peaches show promise. N. J. State Hort. Soc. Hort. News 27: 1788, 1791. Jan. 1946. 81 N46  
 N. J. 133-135 and 137.  
 19877 BLAKE, M. A. The relation of soil fertility to the establishment of young peach orchards. N. J. State Hort. Soc. Hort. News 27: 1780-1781, 1792. Jan. 1946. 81 N46  
 19878 BOYER, C. A. A cleanup program of neglected fruit trees. Agr. Leaders' Digest 27(2): 16-17. Feb. 1946. 275.28 Am3  
 19879 CLAYPOOL, L. L. Plum production in the Pacific States. Amer. Fruit Grower 66(3): 12, 30-31, 36. Mar. 1946. 80 G85  
 19880 GRAINGER, A. R. Fruit growers should not neglect spraying, budding, and propping. New Zeal. J. Agr. 72(1): 81-82. Jan. 15, 1946. 23 N485  
 19881 HJELMGVIST, H. Några påpekanden med anledning av C. Dahlgren: Pomologiska kuriositeter [Notes on the article by C. Dahlgren: Pomological curiosities. Bot. Notiser 1945: 169. 450 B656  
 19882 HOARD, B. Pollen now sprayed on trees in water. Better Fruit 40(8): 44-45. Feb. 1946. 80 B46  
 Pollination of apples.  
 19883 JETT, J. Spraying pollen to increase the yield of apples; Wenatchee expert reports good results by mixing pollen in water. Country Life [Verona] 30(1, i. e. 3): 15. Mar. 1946. 7 C832  
 19884 JUDKINS, W. P. Growing tree fruits for home use. Ohio Agr. Expt. Sta. Bimo. B. 31(238): 3-18. Jan./Feb. 1946. 100 Oh3S  
 19885 MCKENNA, P. J. The bud - secret of fruit care. House & Gard. [Greenwich] 89(3): 82-83, 135-138. Mar. 1946. 80 H81  
 19886 PICAZA, J. DE. El cultivo del manzano. I-V. Spain. Min. de Agr. Secc. de Pub., Prensa y Propag. Hojas Divulg. 37(27): 1-12. Aug. 1945. 15 H68  
 19887 PIPER, W. E. MacIntosh apples, - the problem child. New England Homestead 119(5): 14-15. Mar. 9, 1946. 6 N442  
 19888 SANCHEZ G., A. El capulin. Rancho 2(4): 39-42. Feb. 1946. 8 R15R  
 Capulin black cherry as rootstock, and also for fruit.  
 19889 SHEWELL-COOPER, W. E. Continuing fruit pruning: now the plums. Smallholder 74(1670): 11. Jan. 18, 1946. 10 Sml  
 19890 SHEWELL-COOPER, W. E. Main points in cordon pruning of fruit trees. Smallholder 74(1873): 9. Feb. 8, 1946. 10 Sml  
 19891 SHEWELL-COOPER, W. E. Pruning that keeps bush apples fruitful. Smallholder 74(1872): 11. Feb. 1, 1946. 10 Sml  
 19892 SPOONER, H. L. In the world's largest cherry orchard. Rural New-Yorker 105: 196-197. Mar. 2, 1946. 6 R88  
 19893 STUCKEY, H. P. Starting a peach orchard; choose your location, soil and type of tree carefully. South. Agr. 76(3): 25. Mar. 1946. 6 S83  
 19894 TUKEY, H. B. The Imperial Epineuse: plum of quality and distinction. Amer. Fruit Grower 66(3): 16. Mar. 1946. 80 G85  
 19895 WELLINGTON, R. Promising plum varieties. Amer. Fruit Grower 66(3): 10-11, 26-29. Mar. 1946. 80 G85

#### Fruit--Small

- 19896 AGENDA des viticulteurs et des négociants en vins, 52, 1946, 160 p. Lyon, 1945? 390.5 Ag3  
 19897 ALLEN, V. The loganberry - a fruit for every garden. Pop. Gard. 47: 394. Feb. 9, 1946. 80 G1622



- 19898 ARAGAY, A. Poda de la vid. Rancho 2 (4): 18-19, 78. Feb. 1946. 8 R15R
- 19899 BAERG, W. J. Renew strawberry beds. Farm and Ranch 65(2): 11. Feb. 1946. 6 T31
- 19900 CUREANTS as standard fruit trees. By Cash-cropper. Smallholder 74(1870): 12. Jan. 18, 1946. 10 Sml
- 19901 ELLIOTT, A. Best blueberries. Amer. Nurseryman 83(4): 34-35. Feb. 15, 1946. 80 Am371
- 19902 H., T. S. Prune and feed the summer & autumn raspberries. Pop. Gard. 47: 394. Feb. 9, 1946. 80 G1622
- 19903 HALL, C. J. Would like to "kindle fire under New Jersey industry." Cranberries 10(10): 6-8. Feb. 1946. 80 C852
- Urges growers to concentrate on smaller and better acreage.
- 19904 LYON, A. V. Sultana development. Austral. Dried Fruits News 21(9): 7. Jan. 1946. 286.83 Am72
- 19905 MEADER, E. M. Blueberries - bigger and blue'r. New England Homestead 119(5): 10-12. Mar. 9, 1946. 6 N442
- 19906 MEADER, E. M. Growing healthy strawberries. Rural New-Yorker 105: 239. Mar. 16, 1946. 6 R88
- 19907 MEIER, K. Bericht über die ergebnisse des versuchsweinberges in Jenina, Kt. Graubünden, für die Jahre 1930 bis 1939. Landw. Jahrb. der Schweiz 59: 727-753. 1945. 17 L23
- 19908 MORGAN, C. N. Strawberry culture. Queensland Agr. J. 61: 330-339. Dec. 1, 1945. 23 Q33
- 19909 POLISHCHUK, A. Tsiklichnost' vozrastnykh izmenenii vegetativnykh pokolenii vinogradnogo kusta (Cycles of age modifications in vegetative generations of the vine). Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(7/8): 20-26. Ref. 1945. 20 Ak1
- 19910 ROMERO MONTERO, R. Las complicaciones de la filoxera; filiación y exigencias de la vid; - las cepas Americanas. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(19): 2-3. Oct. 1945. 15 Spl2
- 19911 SHEWELL-COOPER, W. E. Pruning gooseberries for quantity, quality and also for ease in picking. Smallholder 74(1874): 11. Feb. 15, 1946. 10 Sml
- 19912 SLATE, G. L. Bramble culture. Rural New-Yorker 105: 184-185. Mar. 2, 1946. 6 R88
- 19913 SLATE, G. L. Fertilizing cane fruits. Amer. Agr. 143: 135. Mar. 16, 1946. 6 Am3
- 19914 SLATE, G. L. Plant a small fruit garden this year. Amer. Agr. 143: 27. Jan. 19, 1946. 6 Am3
- 19915 SLATE, G. L. Pruning the small fruit. Amer. Agr. 143: 124. Mar. 2, 1946. 6 Am3
- 19916 SLATE, G. L. Starting the small fruit planting. Amer. Agr. 143: 79, 99. Feb. 16, 1946. 6 Am3
- Berries.
- 19917 SLATE, G. L. With grapes a good start and well chosen varieties are all-important. Home Gard. 7(2): 47-50. Feb. 1946. 80 H756
- 19918 T. Le retour à la liberté de la vigne. Petit Casablancais 30(1242): 4. Dec. 15, 1945. 280.8 p44
- 19919 THIES, W. H. Try strawberries! East. States Co-op. 21(12): 9. Dec. 1945. 280.28 Ea7
- Culture.
- 19920 TOMLINSON, B. What about future for the Cape Cod cranberry industry? Cranberries 10(8): 10-11, 14. Dec. 1945. 80 C852
- 19921 WILKINSON, A. E. Strawberries. New England Homestead 119(5): 26-28. Mar. 9, 1946. 6 N442

#### Muta

- 19922 CROSEY, J. Largest walnut grove shows cere. Calif. Cult. 93: 110-111. Feb. 16, 1946. 6 C12

- 19923 PONTING. My home-raised walnut; planted in 1926, now 20 ft. high. Pop. Gard. 47: 402. Feb. 16, 1946. 80 G1622

#### Ornamental Plants

- 19924 A., H. L. Six best [shrubs] to begin with. Pop. Gard. 47: 404. Feb. 16, 1946. 80 G1622
- 19925 AHRENDT, MRS. A. Cleome. Back to Eden 12(7): 7. Feb. 1946. 80 B12
- 19926 ARIOLI, R. Les enfants dessinent au jardin. Rev. Hort. Suisse 18: 209-210. Oct. 1945. 80 R3212
- 19927 ARNOLD, R. Z. Cattleya skinneri. Orchid Rev. 54: 6-8. Jan. 1946. 80 Or15
- 19928 AUBERSON, A. "Le Reposeir," résidence royale. Rev. Hort. Suisse 18: 230-233. Nov. 1945. 80 R3212
- 19929 BARNETT, M. J. Winter berrying and ornamental foliated plants suitable for the small garden. New Zealand Inst. Hort. J. 15(2): 29-33. Jan. 1946. 87 N485J
- 19930 BASS, F. Rosenfield peonies. Amer. Peony Soc. B. 100, p. 37-39. Dec. 1945. 81 Am38B
- 19931 BEALE, J. H. Annual flowers. Rural New-Yorker 105: 244-245. Mar. 16, 1946. 6 R88
- 19932 BECHERER, A. Aethlonema thomasianum Gay; à propos du centenaire d'une découverte. Rev. Hort. Suisse 18: 235-236. Nov. 1945. 80 R3212
- 19933 BERRY, G. H. Hybrid gentiana. Alpine Gard. Soc. Ct. Brit. Q. B. 13: 212-215. Dec. 1945. 84 AL6
- 19934 BIDDLE, D., and BLOW, D. American flower arrangement. Flower Grower 33: 99, 114. Feb. 1946. 80 M72
- 19935 BLACK, A. S. Four outstanding hellebores. Gard. Club Amer. B., ser. 10, No. 4, p. 23-24. Jan. 1946. 90.32 G16
- 19936 BLACKMON, G. H. It's rose planting time now. Fla. Grower 54(1): 20, 22. Jan. 1946. 80 F6622
- 19937 BLANCO, R. Las begonias, ornato del jardín y de la casa. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(16): 5-6, 9. July 1945. 15 Spl2
- 19938 BOICOURT, A. W. The flower border. New England Homestead 119(5): 13. Mar. 9, 1946. 6 N442
- 19939 BORDMAN, MRS. R. The project of the Garden Club of Trenton at Tilton General Hospital. Gard. Club Amer. B., ser. 10, No. 4, p. 12-13. Jan. 1946. 90.32 G16
- 19940 BORNÁS Y DE URCULLU, G. Elementos destacados de un jardín privado. Spain. Min. de Agr. Secc. de Pub., Prensa y Propag. Hojas Divulg. 37 (26): 1-8. July 1945. 15 F68
- 19941 BOULTON, C. F. "Treezing" Delphinium seeds. Horticulture 24: 133. Mar. 1, 1946. 90 H787
- 19942 BOWEN, N. G. Roses for the garden. Rural New-Yorker 105: 183, 198. Mar. 2, 1946. 6 R88
- 19943 BOWERS, C. G. Dexter's hybrid rhododendrons. Natl. Hort. Mag. 25: 74-79. Jan. 1946. 80 N216
- 19944 BROWN, J. R. Some small decorative agaves. Natl. Hort. Mag. 25: 83. Jan. 1946. 80 N216
- 19945 BROWN, F. D. The effect of retaining walls or "rockeries" in the landscape design. VII. Northwest Gard. 13(12): 8, 30. Feb. 1946. 80 N813
- 19946 BUXTON, B. R. Begonias in February. Begonian 12, i. e. 13: 23-24. Feb. 1946. 96.511 B39
- 19947 CALLOWAY, V. Camellias. Begonian 12, i. e. 13: 37. Feb. 1946. 96.511 B39
- High points of address by R. Casamajor.
- 19948 CASEY, J. The potato chip tree (Ptelea trifoliata). Nat. Hist. 55: 143. Mar. 1946. 500 F483J



- 19949 CHADWICK, L. C. *Cytisus scoparius*. Amer. Nurseryman 83(5): 39. Mar. 1, 1946. 80 Am371
- 19950 CHADWICK, L. C. Fertilizing shade trees. Amer. Nurseryman 83(5): 13. Mar. 1, 1946. 80 Am371
- 19951 CLARK, A. M. *B. incarnata*. Begonian 12: 1. e. 13; 30-32. Feb. 1946. 96.511 B39
- 19952 CLARK, A. M. *B. erythrophylla*, Neum. Begonian 13: 58, 63. Mar. 1946. 96.511 B39
- 19953 CLARK, A. M. *B. undine*. Begonian 13(1): 8-9. Jan. 1946. 96.511 B39
- 19954 CLARK, D. Old fashioned flowers; snapdragon. Organic Gard. 8(4): 29-31. Mar. 1946. 56.8 Cr3
- 19955 CLUTE, W. N. The false sunflower [*Helianthus helianthoides*]. Amer. Bot. 51: 59-60. July 1945. 450 Am33
- 19956 CLUTE, W. N. The guinea hen flower [*Fritillaria meleagris*]. Amer. Bot. 52: 5-6. Jan. 1946. 450 Am33
- 19957 COE, W. T. Experience of an amateur. Amer. Peony Soc. B. 100, p. 9-10. Dec. 1945. 81 Am38B
- 19958 COE, W. T. My northern peony garden. Amer. Peony Soc. B. 100, p. 18-19. Dec. 1945. 81 Am38B
- 19959 COFFIN, F. S. Tuberous begonias in the Midwest. Flower Grower 33: 160, 162, 164. Mar. 1946. 80 M72
- 19960 COMEADOW, W. A. Plant hormones. Austral. Gard. Lover 21(11): 7, 9. Feb. 1, 1946. 50 G1615
- For culture of ornamentals.
- 19961 THE COMPLETE garden; compactness keynotes Mrs. Charles Platt's half-acre property. House & Gard. [Greenwich, 89(3): 84-85. Mar. 1946. 80 H81
- 19962 COOK, M. L. The purple smoke-tree [*Cotinus coccinea*]. Flower Grower 33: 217. Mar. 1946. 80 M72
- 19963 COON, N. A garden for evening. Gard. Chron. 50: 74-75. Mar. 1946. 80 G1632
- 19964 COOPER, E. A plea for small orchid species. Orchid Rev. 54: 25-27. Feb. 1946. 80 Or15
- 19965 COOPER, E. *Renanthera storiei*, St. Albans var. Orchid Rev. 54: 10-11. Jan. 1946. 80 Or15
- 19966 COWLE, C. Have you a nice figure for flower arrangement? Gard. Chron. 50: 74. Mar. 1946. 80 G1632
- 19967 CROCKET, R. M. Useful annual vines. Gard. Chron. 50: 65-66, 80. Mar. 1946. 80 G1632
- 19968 CUMMINGS, M. B. Labeling nursery stock. Amer. Nurseryman 83(2): 18. Jan. 15, 1946. 80 Am371
- 19969 DARLING, J. Have an evening garden for fragrance. House Beautiful 88(3): 102-103, 160. Mar. 1946. 296.8 H81
- 19970 DARNELL, MRS. J. C. The double red hibiscus. Back to Eden 12(7): 5. Feb. 1946. 80 B12
- 19971 DAVIS, R. S. Orchid cultivation in Queensland. Amer. Orchid Soc. B. 14: 381-383. Feb. 1, 1946. 80 Am329
- 19972 DILLON, G. W. Books on Mexican orchids. Amer. Orchid Soc. B. 14: 416-417. Mar. 1, 1946. 80 Am329
- 19973 DOLSON, L. L. Auratum lily [*Lilium auratum*]. New England Homestead 119(5): 46. Mar. 9, 1946. 6 W442
- 19974 DONEY, C. Plant for permanence; witch-hazels [*Hamelis*]. Flower Grower 33: 80. Feb. 1946. 80 M72
- 19975 DONEY, C. F. Plant for permanence... colchis bladder-nut [*Staphylea colchica*]. Flower Grower 33: 173. Mar. 1946. 80 M72
- 19976 DUNCOMB, M. Gloxinia experiences in the Mid-West. Begonian 13: 51, 60. Mar. 1946. 96.511 B39
- 19977 DUNHAM, H. F. A northern New England peony garden. Amer. Peony Soc. B. 100, p. 16-17. Dec. 1945. 81 Am38B
- 19978 DYE, A. P. Save poinsettia plants for next Christmas. Agr. Leaders' Digest 27(2): 41. Feb. 1946. 275.28 Am3
- 19979 EASTLAND, R. Seed-starting simplified. Better Homes & Gard. 24(7): 79. Mar. 1946. 80 M9424
- 19980 EVERETT, T. H. *Iris tectorum*. Gard. Chron. 50: 78. Mar. 1946. 80 G1632
- 19981 EVERETT, T. H. Plant portraits [*Poinciana pulcherrima* and *Hypericum moserianum*]. Gard. Chron. 50: 70-71. Mar. 1946. 80 G1632
- 19982 F., M. V. Hints for window gardeners. Rural New-Yorker 105: 182. Mar. 2, 1946. 6 R88
- 19983 FISHER, L. Flower arranging. Telug. Delivery Spirit 13(1): 25. Jan. 1946. 80 T23
- 19984 FLEMING, G. Good landscape practice is nurseryman's ally. South. Florist and Nurseryman 58(45): 10-11, 14-16. Feb. 8, 1946. 80 So86
- 19985 FORES, R. *Echinocereus delatellii*. Natl. Hort. Mag. 25: 85-88. Jan. 1946. 80 N216
- 19986 FORTNAM, C. D. Review of the best new gladiolus. Flower Grower 33: 90-91, 132-137. Feb. 1946. 80 M72
- 19987 FOSNAUGH, M. B. English hybrid chrysanthemums; Pacific Coast gardeners find these early-flowering varieties highly successful. Flower Grower 33: 174-175, 218. Mar. 1946. 80 M72
- 19988 FOSTER, M. B. Begonias in Florida. Begonian 13: 61. Mar. 1946. 96.511 B39
- 19989 FREE, M. Watering indoor-plants. Home Gard. 7(2): 28-32. Feb. 1946. 80 H756
- 19990 FROST, M. Praising *Verbena bonariensis*. Horticulture 24: 122. Mar. 1, 1946. 80 H787
- 19991 G., E. C. Beginners' art class. Home Gard. 7(2): 39-41. Feb. 1946. 80 H756
- Flower arrangement.
- 19992 G., G. F. Raise new plants from old dahlias roots. Pop. Gard. 47: 412. Feb. 23, 1946. 80 G1622
- 19993 GAYLE, R. G. Roots, the hidden key to peony success. Amer. Peony Soc. B. 100, p. 2-5. Dec. 1945. 81 Am38B
- 19994 GILBERT, P. A. Orchids...and their culture. Austral. Gard. Lover 21(11): 5, 7. (To be cont.) Feb. 1, 1946. 80 G1615
- 19995 GINNS, R. The garden at "Saindak," Desborough, Great Britain. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 207-212. Dec. 1945. 84 AL6
- 19996 GRAEBER, F. Wollen wir den frühling einige wochen früher im garten? Schweiz. Gart., No. 10, p. 277-278. Oct. 1945. 80 Sch93
- 19997 GRAHAM, MRS. H. H. Plan farmstead beauty. Mont. Farmer 33(11): 16. Feb. 1, 1946. 6 M764
- 19998 GREER, T. R. Try these oriental poppies. Flower Grower 33: 76. Feb. 1946. 80 M72
- 19999 GRIFFEN, T. Growing chrysanthemums. Back to Eden 12(7): 6. Feb. 1946. 80 B12
- 20000 H., V. The naming of hybrids. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 217-220. Dec. 1945. 84 AL6
- 20001 HABER, T. B. The pronunciation of rose variety names. Amer. Rose Mag. 6: 351. Jan./Feb. 1946. 80 Am327A
- 20002 HALLBERG, F. E. Adapting the garden to modern life. Minn. Hort. 74: 35-37. Mar. 1946. 81 M66
- 20003 HAMBLIN, S. F. The daylilies of tomorrow. Horticulture 24: 131. Mar. 1, 1946. 80 H787
- 20004 HARDING, W. F. W., and HARDY, E. The autumn bulbs of Palestine. Roy. Hort. Soc. J. 71: 62-66. Mar. 1946. 84 L84J
- Note by P. M. S., p. 66-67.
- 20005 HASTINGS, W. R. Improved flowers you'd like to try. Farm J. 70(3): 129. Mar. 1946. 6 F2212
- 20006 HAWORTH-BOOTH, M. Making a new garden. Country Life [London, 99: 354-355. Feb. 22, 1946. 80 C83
- 20007 HAY, T. Brighter gardens will cheer us up! Smallholder 74(1874): 8. Feb. 15, 1946. 10 Sml



- 20008 HEATHCOT, L. The empress tree, *Paulownia imperialis*. Back to Eden 12(7): 3. Feb. 1946. 80 B12
- 20009 HEWITT, W. P. Chihuahua orchid trails. Amer. Orchid Soc. B. 14: 399-406. Mar. 1, 1946. 80 Am329
- 20010 HINTON, V. Only a quarter acre...but nearly all garden. Amer. Home 35(4): 26-27. Mar. 1946. 80 Am313
- 20011 HODGES, A. J. Cultivation of the xerophytes. New Zeal. Inst. Hort. J. 15(2): 13-18. Jan. 1946. 87 N485J
- 20012 HOLLEY, W. D. Adventures in improving begonias. II-III. Begonian 12(1. e. 13): 5, 25. Jan., Feb. 1946. 96.511 B39
- 20013 HOLLEY, W. D. How to coax the Calla Lily begonia to grow. Flower Grower 33: 95, 129. Feb. 1946. 80 M72
- 20014 HOPFER, O. E. Camellia reticulata. Sunset 96(1): 54-55. Jan. 1946. 110 Su7
- 20015 HOWARD, A. L. The useful lime tree [Tilia]. Country Life [London] 99: 262-263. Feb. 8, 1946. 80 C83
- 20016 HUCKETT, G. W. Flower gardens are near again. Amer. Agr. 143: 156. Mar. 16, 1946. 6 Am3
- 20017 FULL, E. D. Two plants difficult to grow. Amer. Bot. 51: 70-71. July 1945. 450 Am33
- 20018 HUMS, H. H. American relatives of camellia. Home Gard. for South 6: 253, 256. Jan. 1946. 80 H755
- 20019 HUSS, MRS. F. Gardening experience [ornamental plants]. Back to Eden 12(7): 7-8. Feb. 1946. 80 B12
- 20020 INGALLS, N. M. Savory southernwood [Artemisia abrotanum]. Flower Grower 33: 98. Feb. 1946. 80 M72
- 20021 INGALLS, N. M. A season with marigolds [Tagetes]. Horticulture 24: 122. Mar. 1, 1946. 80 H787
- 20022 JACKSON, MRS. R. House plants. Minn. Hort. 74: 42-43. Mar. 1946. 81 M66
- 20023 JENNINGS, J. Design in the small garden. N. Y. Hort. Soc. Monthly B. 17(2): 16-19. Feb. 1946. 81 N482M
- 20024 JOHANNING, A. Lamium is recommended. Horticulture 24: 129. Mar. 1, 1946. 80 H787
- 20025 JOHANNING, A. Window garden peperomias. Horticulture 24: 131. Mar. 1, 1946. 80 H787
- 20026 JONES, J. F. Planting peonies in home gardens. Amer. Peony Soc. B. 100, p. 19-20. Dec. 1945. 81 Am38B
- 20027 KAMMERER, E. L. Winter protection for plants in the Chicago region. Morton Arboretum B. Pop. Inform. 21: 1-4. Jan. 1946. 99.9 M84
- 20028 KEHRLEIN, O. Fuchsia gets her shape in March. Begonian 13: 54. Mar. 1946. 96.511 B39
- 20029 KEHRLEIN, O. Fuchsians ruthless with shears. Begonian 12(1. e. 13): 29. Feb. 1946. 96.511 B39
- 20030 KEHRLEIN, O. January, a busy month for fuchsians. Begonian 13(1): 7. Jan. 1946. 96.511 B39
- 20031 KENDALL, B. More about trough gardens. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 104. Dec. 1945. 84 AL6
- 20032 KLEINER, P. Des renouées [Polygonum] pour le petit jardin et la rocaille. Rev. Hort. Suisse 18: 215-216. Oct. 1945. 80 R3212
- 20033 KNOCK, F. Rivina - the plant with red berries. Back to Eden 12(7): 6. Feb. 1946. 80 B12
- 20034 KRAMER, E. G. Home ground planting. South. Agr. 76(3): 46-47. Mar. 1946. 6 So83
- 20035 LAMAR, M. Azaleas don carnival attire. Times-Picayune New Orleans States 110(31, mag. sect.): 8. Feb. 24, 1946. 286.8 T483
- Chiefly flower growing hints.
- 20036 LANNIE, L. New Zealand plants in the home garden; attractive range of native shrubs. Orchardist New Zeal. 18(5): 11, 13. May 5, 1945. 80 Or19
- 20037 LATTING, E. T. Gay winter windows [Window box gardens]. New England Homestead 119(3): 44. Feb. 9, 1946. 6 N442
- 20038 LAWRENCE, E. Here are blossoms for southern evergreens. Home Gard. 7(2): 24-27. Feb. 1946. 80 H756
- 20039 LEARY, M. J. English [chrysanthemum] hybrids in Connecticut. Flower Grower 33: 175, 219. Mar. 1946. 80 M72
- 20040 LINDGREN, L. W. How to cut and prepare flowers for shows. Amer. Peony Soc. B. 100, p. 39-40. Dec. 1945. 81 Am38B
- 20041 LINES, J. Repotting cattleyas. Amer. Orchid Soc. B. 14: 361-365. Feb. 1, 1946. 80 Am329
- 20042 LONGMUIR, S. Viola Purple Heart. Gard. Chron. 50: 77. Mar. 1946. 80 G1632
- 20043 LOOMIS, H. F. New palms in Florida. Natl. Hort. Mag. 25: 29-39. Jan. 1946. 80 N216
- 20044 LOUGHRAN, H. Delphiniums start early. Better Homes & Gard. 24(7): 90, 110. Mar. 1946. 80 R424
- 20045 MCDANIEL, J. C. Holly varieties and hybrids. Horticulture 24: 137. Mar. 1, 1946. 80 H787
- 20046 MCFARLAND, J. H. Make yours a year 'round garden. Flower Grower 33: 172-173, 209. Mar. 1946. 80 M72
- 20047 MCFARLAND, J. H. November roses. Amer. Rose Mag. 6: 339. Jan./Feb. 1946. 80 Am327A
- 20048 MACFIE, D. T. A gardening miscellany. Country Life [London] 99: 400-401. Mar. 1, 1946. 80 C83
- 20049 MACKENZIE, D. C. Peace memorial gardens. New Zeal. Inst. Hort. J. 15(2): 12. Jan. 1946. 87 N485J
- 20050 MCMURRAY, N. Viola tricolor. Amer. Bot. 52: 14-15. Jan. 1946. 450 Am33
- 20051 MARSHALL, W. G. Christmas cactus. Natl. Hort. Mag. 25: 81-82. Jan. 1946. 80 N216
- 20052 MASON, J. Fragrant peonies. Amer. Peony Soc. B. 100, p. 13-14. Dec. 1945. 81 Am38B
- 20053 MAYER, M. Many house plants killed by moisture. Saskatchewan Farmer 37(5): 15. Mar. 1, 1946. 7 Sa74
- 20054 MEYER, H. Cactus growing north and south. Organic Gard. 8(4): 13-18. Mar. 1946. 56.8 Cr3
- 20055 MILLER, D. A gardener at heart; sentiment is mixed with the growing of flowers by a Kansas farm homemaker. Capper's Farmer 57(3): 54. Mar. 1946. 6 M693
- Includes care of house plants.
- 20056 MILLIKEN, W. T. New lawns. South. Home and Gard. 13(8): 28. Mar. 1946. 80 So824
- 20057 MISSMER, A. I've flowers to give. Better Homes & Gard. 24(7): 110. Mar. 1946. 80 R424
- 20058 MOORE, MRS. C. E. Super-rexes, tuberous begonias, cabbages and kings. Begonian 13(1): 3. Jan. 1946. 96.511 B39
- 20059 MOUNTFORT, C. C. Natural crosses of Primula auricula. Alpine Gard. Soc. Gt. Brit. Q. B. 13: 205-207. Dec. 1945. 84 AL6
- 20060 MURDOCH, MRS. P. Kalanchoe for house plants. Back to Eden 12(7): 7. Feb. 1946. 80 B12
- 20061 MURPHY, Z. Flowers in the house. Wallaces' Farmer and Iowa Homestead 71: 224. Mar. 2, 1946. 6 W15
- 20062 MYERS, J. H. Three-edition window boxes. Flower Grower 33: 156, 158. Mar. 1946. 80 M72
- 20063 N., W. R. Anemones for sunny and shady places. Pop. Gard. 47: 405. Feb. 16, 1946. 80 G1622
- 20064 NELSON, I. S. Graft your own camellias. Home Gard. for South 6: 246-249. Jan. 1946. 80 H755



- 20065 NORTHERN, R. T. From pie plate to greenhouse. *Flower Grower* 33: 178-179, 212-214. Mar. 1946. 80 M72
- Orchid culture.
- 20066 PARSONS, H. Glasshouse flower production; safeguarding the cuttings. *Fruit-grower* 101: 72. Jan. 24, 1946. 80 F941
- 20067 PATNE, MRS. V. M. Plant your dahlias now. *South. Home and Gard.* 13(8): 19. Mar. 1946. 80 30824
- 20068 PETERSEN, E. O. Native plants in a small garden. *New Zeal. Inst. Hort. J.* 15(2): 9-11. Jan. 1946. 87 M485J
- 20069 PLATT, D. Travel...and you'll be a better gardener. *House Beautiful* 88(3): 92-93, 159, 189-191. Mar. 1946. 296.3 H81
- 20070 PONTING, C. How to grow orange plants from pipe, for house plants. *Pop. Gard.* 47: 413. Feb. 23, 1946. 80 G1622
- 20071 PORTER, J. P. Problem of landscaping small homes. *Amer. Nurseryman* 83(5): 9-10. Mar. 1, 1946. 80 Am371
- 20072 POWELL, M. E. Children's labors make school grounds bloom. *Natl. Ed. Assoc. J.* 35: 136-137. Mar. 1946. 275.9 N21J
- 20073 PRATT, R. A way to hasten spring. *Ladies' Home J.* 63(3): 232. Mar. 1946. 321.8 L12
- House plants.
- 20074 PROVAN, J. L. The flower garden; some choice shrubs. *Victoria. Dept. Agr. J.* 44: 76-77. Feb. 1946. 23 V66J
- 20075 PULLAR, E. A. Gardening in Connecticut. *Conn. Circle* 9(2): 34-35, 40. Feb. 1946. 280.8 C7632
- 20076 R., B. L. Loveliest of evergreens; spring is the time to plant rhododendrons. *Pop. Gard.* 47: 405. Feb. 16, 1946. 80 G1622
- 20077 RICHARDSON, L. How to tear up an old garden. *House Beautiful* 88(3): 104, 143. Mar. 1946. 296.3 H81
- 20078 RIES, V. H. Your lawn; how to make it grow, what to do about what's wrong with it. *Better Homes & Gard.* 24(7): 34-35, 136-137. Mar. 1946. 80 F9424
- 20079 ROBERSON, F. K. Ladyslippers. *Northwest Gard.* 13(12): 9, 31. Feb. 1946. 80 N813
- 20080 ROBERTS, H. English roses and rose gardens. *Canad. Hort. & Home Mag.* 69: 27-28. Feb. 1946. 80 C16F
- Also in *Gard. Chron.* 50: 76-77. Mar. 1946. 80 G1632
- 20081 ROBINSON, G. S. More and better rose blooms; good soil preparation is worth while even where the climate is suitable. *Horticulture* 24: 128. Mar. 1, 1946. 80 H787
- 20082 ROBLIN, L. Red flowering magnolia *Lilium floridanum*. *Flower Grower* 33: 98. Feb. 1946. 80 M72
- 20083 ROLF, O. Ways to use variegated plants. *Flower Grower* 33: 199. Mar. 1946. 80 M72
- 20084 ROONEY, H. B. A handy method of storing small garden seeds. *Begonia* 12: 1. e. 13; 23. Feb. 1946. 96.511 B39
- 20085 ROSENBERG, A. Jerusalem's municipal gardens. *Palestine Tribune* 1(46): 10-11. Dec. 13, 1945. 280.8 P172
- Ornamentals.
- 20086 ROTHERY, A. The first garden - and the last. *House Beautiful* 88(3): 120, 126. Mar. 1946. 296.3 H81
- 20087 ROWNTREE, L. America's public gardens: Golden Gate Park Arboretum. *Gard. Chron.* 50: 68-69. Feb. Mar. 1946. 80 G1632
- 20088 ROWNTREE, L. Fasciated stems in lily. *Gard. Chron.* 50: 74. Mar. 1946. 80 G1632
- 20089 ROWNTREE, L. Some annuals in California. *Natl. Hort. Mag.* 25: 3-14. Jan. 1946. 80 N216
- 20090 SAUNDERS, A. P. Two new races of peonies. *Amer. Peony Soc. B.* 100, p. 55-57. Dec. 1945. 81 Am38B
- 20091 SAWYER, E. D. Orchid culture in Mexico. *Amer. Orchid Soc. B.* 14: 411-415. Mar. 1, 1946. 80 Am329
- 20092 SCHMIDT, E. Delphinium hybrid race. *Pacific. Rev. Hort. Suisse* 18: 172-173. Aug. 1945. 80 R321F
- 20093 SCHMIDT, E. Heliopsis, le tournesol vivace, une fleur coupée intéressante. *Rev. Port. Suisse* 18: 175. Aug. 1945. 80 R3212
- 20094 SCHMIDT, E. Jetzt pflanzzeit der madonnallilie. *Schweiz. Gart., No.* 10, p. 278-279. Oct. 1945. 80 Sch93
- 20095 SCHROEDER, R. M. I planted a peony. *Amer. Peony Soc. B.* 100, p. 53-55. Dec. 1945. 81 Am38B
- 20096 SHEPHERD, R. E. China roses. *Flower Grower* 33: 92-94. Feb. 1946. 80 M72
- 20097 SHEWELL-COOPER, W. E. Make your hedges pay. *Poultry World* 78: 81. Feb. 8, 1946. 47.8 P8682
- 20098 SHOEMAKER, A. Good perennial flowers. *Horticulture* 24: 129. Mar. 1, 1946. 80 H787
- 20099 SHRUBSHALL, A. H. Development of the stock *Mathiola*. *New Zeal. Inst. Hort. J.* 15(2): 23-25. Jan. 1946. 87 M485J
- 20100 SKINNER, C. E. Minnesota *Gladiolus* Society. *Minn. Hort.* 74: 44. Mar. 1946. 81 M66
- Varieties described.
- 20101 SKINNER, E. H. Success with begonias as winter house plants. *Begonian* 13: 65. Mar. 1946. 96.511 B39
- 20102 SLATE, G. L. Raising lilies from seeds. *Natl. Hort. Mag.* 25: 70-73. Jan. 1946. 80 N216
- 20103 SMART, W. J. Trend of demand for evergreens. *Amer. Nurseryman* 83(6): 20. Mar. 15, 1946. 80 Am371
- 20104 SPENCER, J. B. Winter protection of hardy water lilies - ideas on pools. *Canad. Hort. & Home Mag.* 69: 35. Feb. 1946. 80 C16F
- 20105 STANDING up to the drought; shrubs which have weathered their ordeal. By "Protea." *Farmer [Pietermaritzburg]* 34(50): 9. Dec. 14, 1945. 24 F227
- 20106 STEIN, W. L. Roses for the beginner in the Puget Sound area. *Northwest Gard.* 13(12): 10, 18-19. Feb. 1946. 80 N813
- 20107 STEMBEL, MRS. C. A communication from Stembel Gardens. *Amer. Peony Soc. B.* 100, p. 10-13. Dec. 1945. 81 Am38B
- Peony varieties.
- 20108 STIRLING, W. *Angraecopsis gracillima*. *Orchid Rev.* 54: 20-21. Feb. 1946. 80 Or15
- 20109 STIRLING, W. *Pholidota pallida*. *Orchid Rev.* 54: 8-9. Jan. 1946. 80 Or15
- 20110 STRONG, C. K. Shrubs of the heights. *Gard. Chron.* 50: 78-79. Mar. 1946. 80 G1632
- 20111 STROUT, E. B. Bulbs for summer flowers *Cooperia*, *Crinum*, and *Zephyranthes*. *Gard. Chron.* 50: 71, 82. Mar. 1946. 80 G1632
- 20112 SVENSON, H. K. Flowers from the wilderness to your garden. *Nat. Hist.* 55: 120-127, 146. Mar. 1946. 500 M483J
- 20113 SWOBODA, P. About rock plants in pots. *Horticulture* 24: 136. Mar. 1, 1946. 80 H787
- 20114 THAYN, MRS. O. M. Garden chrysanthemums. *Utah Farmer* 65(14): 19. Mar. 10, 1946. 6 D45
- 20115 TIEMANN, O. R. Lilies from Formosa *Lilium formosanum*. *Wallaces' Farmer and Iowa Homestead* 71: 231. Mar. 2, 1946. 6 W15
- 20116 TIEMANN, O. R. Lilies from seed. Back to Eden 12(7): 1-2. Feb. 1946. 80 R12
- 20117 TIEMANN, O. R. The lily from Formosa *Lilium formosanum*. *Flower Grower* 33: 170-171, 198. Mar. 1946. 80 M72
- 20118 TIEMANN, O. R. The rare snowbell *Ner-tensia virginica*. *Gard. Chron.* 50: 78. Mar. 1946. 80 G1632
- 20119 TOMALIN, T. E. Good plants for your flower border. *Pop. Gard.* 47: 404-405. Feb. 16, 1946. 80 G1622



- 20120 TOMALIN, T. E. Planting time for clematis. *Pop. Gard.* 48(2448): 4. Mar. 2, 1946. 80 G1622
- 20121 TRESEDER, N. G. The rosemaries [Rosmarinus]. *Roy. Hort. Soc. J.* 71: 72-75. Mar. 1946. 84 L84J
- 20122 TURNER, A. B. South American foliage plant. *Horticulture* 24: 135. Mar. 1, 1946. 80 H787
- 20123 V., P. J. Daffodils and hyacinths. *Rural New-Yorker* 105: 182. Mar. 2, 1946. 6 R88
- 20124 VLASAK, C. Cacti. *Natl. Hort. Mag.* 25: 52-53. Jan. 1946. 80 N216
- 20125 W., C. House plants without direct sunlight. *Rural New-Yorker* 105: 252. Mar. 16, 1946. 6 R88
- 20126 WALKDEN, A. *Rhynostylis retusa*. *Orchid Rev.* 54: 21-22. Feb. 1946. 80 Orl5
- 20127 WARD, H. L. In praise of the Druschki. *Amer. Rose Mag.* 6: 337-338. Jan./Feb. 1946. 80 Am327A
- 20128 WATERS, I. Some dependable plants for the rock garden. *Natl. Hort. Mag.* 25: 65-70. Jan. 1946. 80 N216
- 20129 WEDDLE, C. Snapdragons; for abundance of bloom in a surprising array of colors and plant sizes, try growing the modern snapdragons. *Flower Grower* 33: 101, 124, 126, 128. Feb. 1946. 80 M72
- 20130 WEINARD, F. F. Greenhouse practices. *Florists' Rev.* 97(2519): 42-43. Mar. 7, 1946. 80 W41
- 20131 WESTON, T. A. Sweet violets. *Home Gard.* 7(2): 85-87. Feb. 1946. 80 H756
- 20132 WHEELER, W. Utilization of idle lands around the cranberry bogs [for growing Ilex]. *Cranberries* 10(8): 6-9. Dec. 1945. 80 C852
- 20133 WHITEHEAD, S. B. The mid-winter garden scene. *Field* 187: 24. Jan. 5, 1945. 10 F45
- 20134 WHITEHEAD, S. B. Small flowering trees. *Field* 187: 134. Feb. 2, 1946. 10 F45
- 20135 WHITEHEAD, S. B. Weeping and upright trees. *Field* 187: 250. Mar. 2, 1946. 10 F45
- 20136 WHITEMAN, T. M., and MCCLELLAN, W. D. Should cut gladiolus spikes be loaded horizontally for shipment? *Florists' Rev.* 97(2519): 37-38. Mar. 7, 1946. 80 W41
- Also in *South. Florist and Nurseryman* 58(50): 7-8. Mar. 15, 1946. 80 So86
- 20137 WILBER, R. Amateur rose hybridization. *Northwest Gard.* 13(12): 6, 21. Feb. 1946. 80 N813
- 20138 WILCOX, R. S. New dawn and other ever-blooming climbers. *Amer. Rose Mag.* 6: 330-332. Jan./Feb. 1946. 80 Am327A
- 20139 WILDT, H. H. DE. Hardiness in evergreens. *Horticulture* 24: 133. Mar. 1, 1946. 80 H787
- 20140 WILKES, M. *Tolmiea menziesii* the pick-a-back-plant. *Begonian* 12(1. e. 13): 34-35. Feb. 1946. 96.511 B39
- 20141 WILKINSON, A. E. Glads. *New England Homestead* 119(5): 28. Mar. 9, 1946. 6 N442
- 20142 WILKINSON, A. E. Roses. *New England Homestead* 119(5): 44, 46. Mar. 9, 1946. 6 W442
- 20143 WILMOT, R. J. Camellia varietal classification at Florida Agricultural Experiment Station. *Home Gard.* for South 6: 249, 261. Jan. 1946. 80 H755
- 20144 WILSON, H. VAN B. Tree peonies. *Better Homes & Gard.* 24(7): 86, 116-117. Mar. 1946. 80 F9424
- 20145 WING, A. S. You can landscape your post-war home now! *Small Homes Ann.* 1945: 180-181. 296.8 Sml2
- 20146 WOODROFFE, F. B. More color out front. *Better Homes & Gard.* 24(7): 33. Mar. 1946. 80 F9424
- Colorful flowers.
- 20147 WRIGHT, P. H. Lilies for the extreme north. *Canad. Hort. & Home Mag.* 69: 33. Feb. 1946. 80 C16F
- 20148 WRIGHT, R. Spring: buds pronounce its arrival. *House & Gard.* [Greenwich, 89(3): 80-81. Mar. 1946. 80 H81
- 20149 WYMAN, D. Small shade trees for small properties. *Amer. Nurseryman* 83(5): 7-8, 57-58. Mar. 1, 1946. 80 Am371
- 20150 YARIAN, N. C. Procedure for collecting and importing orchids. *Amer. Orchid Soc. B.* 14: 407-410. Mar. 1, 1946. 80 Am329
- 20151 YOUNG, J. Sowing petunia seeds indoors. *Horticulture* 24: 122. Mar. 1, 1946. 80 H787
- Vegetable and Truck Crops (Including Potatoes)
- 20152 ADAMS, E. C. Selecting seed potatoes; don't trust to the eye. *Land [Sydney], No.* 1775, p. 12. Nov. 30, 1945. 23 L22
- 20153 ANDERSON, W. S. Sweetpotato plant production based on several factors. *Miss. Farm Res. [Miss. Sta., 9(1): 3. Jan. 1946. 100 M69M1*
- 20154 ANDREW, J., JR. Growing lettuce is head-work. *East. States Co-op.* 21(12): 7-8. Dec. 1945. 280.28 Ea7
- 20155 BARNES, P. M. Butternut squash in Iowa. *Horticulture* 24: 135. Mar. 1, 1946. 80 H787
- 20156 BENNETT, F. T., and MUNRO, J. Seed potato trials in the north of England. *Gt. Brit. Min. Agr. Agriculture* 52: 500-503. Feb. 1946. 10 G79J
- 20157 BLASBERG, C. H. More tomatoes - and earlier. *New England Homestead* 119(5): 20-21. Mar. 9, 1946. 6 N442
- 20158 BRASER, E. P. They grow acres of lima beans in Delaware. *Market Growers J.* 75(2): 9, 44, 52-53. Feb. 1946. 6 M34
- 20159 BURDETT, J. H. Grow these to freeze. *Better Homes & Gard.* 24(7): 71. Mar. 1946. 80 F9424
- 20160 CALDER, R. A. Garden pea varieties. *New Zeal. Inst. Hort. J.* 15(2): 19-23. Jan. 1946. 87 N485J
- 20161 CAMPBELL, S. C. Beet seed production in Oregon faces bright future. *Oreg. Farmer* 69: 93. Feb. 21, 1946. 6 Or32
- 20162 CHANSLER, W. S. Vegetables for the home garden. *Rural New-Yorker* 105: 190-191. Mar. 2, 1946. 6 R88
- 20163 DEMPSEY, P. W. Vegetable growers' problems. *New England Homestead* 119(5): 15-17. Mar. 9, 1946. 6 N442
- 20164 EQUIRAUN, J. DE. Cultivos hortícolas. La lechuga (*Lactuca sativa*). *Agr. Venezol.* 10(112): 19-21. Dec. 1956/Jan. 1946. 9.95 Ag8
- 20165 ENGLE, R. H. It is garden planning time again in Guideland. *Farmers Guide* 102(5): 19. Mar. 1, 1946. 6 In2
- 20166 F., G. Food from the garden. *Pop. Gard.* 47: 411. Feb. 23, 1946. 80 G1622
- 20167 FLEGG, O. D. Grow plenty of carrots. *Pop. Gard.* 47: 403. Feb. 16, 1946. 80 G1622
- 20168 FORSYTH, A. G. Don't waste the late winter vegetables; they are invaluable before spring-sown crops are ready. *Pop. Gard.* 48(2448): 2. Mar. 2, 1946. 80 G1622
- Culture of vegetables.
- 20169 FUCHS, H., and LEBOUCHER, P. Quelques légumes inconnus. *Rev. Hort. Suisse* 18: 195-200. Sept. 1945. 80 R3212
- 20170 G., G. F. Chinese artichokes may be planted now. *Pop. Gard.* 47: 403. Feb. 16, 1946. 80 G1622
- 20171 GERN, A. Novyi sort tekhnicheskogo kartofelia (A new technical potato variety). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10 (7/8): 16-19. 1945. 20 Ak1
- 20172 GREAT BRITAIN. MINISTRY OF AGRICULTURE AND FISHERIES. Cabbages, brussels sprouts and miscellaneous green crops. *Gt. Brit. Min. Agr. and Fisheries. B.* 132, 30 p. London, 1945. 10 G7945
- 20173 GREIG, SIR R. The Dig For Victory campaign, 1940-1945. *Scot. J. Agr.* 25: 225-230. Jan. 1946. 10 Sco823o



- 20174 GUTSEVICH, A. IA., and TAMMAN, A. I. Za vysokii urozhai kartofelia [For high yields of potatoes]. U. S. S. R. Narod. Komis. Zeml. Agro-tekhsvoety Kolkhoz., No. 10, 8 p. Mar. 1945. 20 Ag88
- 20175 HARDY, J. Still time to grow hotbed lettuce. Poultry Farmer [London] 114(2956): 4. Feb. 15, 1946. 47.8 F312
- 20176 HARTMAN, J. D. Delayed spraying will increase tomato yields. Food Packer 27(4): 64, 66-67. Mar. 1946. 286.83 C165
- 20177 HENDRICKS, L. G. Asparagus - dual-purpose plant. Better Homes & Gard. 24(7): 66-67. Mar. 1946. 80 F9424
- Ornamental as well as useful.
- 20178 HEPLER, J. R. Starting [vegetable] seeds. New England Homestead 119(4): 10-11. Feb. 23, 1946. 6 N442
- 20179 HOGG, A. G. Commercial mushroom growers; main needs of the winter crop. Smallholder 74(1874): 7. Feb. 15, 1946. 10 Sml
- 20180 HUMPHREYS, W. My way with runner beans. Pop. Gard. 47: 403. Feb. 16, 1946. 80 G1622
- 20181 HURST, F. J. Sweet potatoes, an old crop gone modern. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 14-15, 83. Mar. 1946. 6 So81
- 20182 ISEBELL, C. L. Alagold - a new pumpkin for the South. Market Growers J. 75(2): 7, 40, 49. Feb. 1946. 6 M34
- 20183 JONES, D. F. Potatoes in the Northeast. Rural New-Yorker 105: 187. Mar. 2, 1946. 6 R88
- 20184 KANGAS, J. T. Red peppers specialty on Alfro Farms. Market Growers J. 75(2): 22, 50. Feb. 1946. 6 M34
- 20185 KUNKEL, R. Storage of seed potatoes. Spud News 3(9): 5-6, processed. Jan. 1946. 75.8 Sp9
- 20186 LACHMAN, W. H. Modern trends in vegetable production. New England Homestead 119(5): 6-7. Mar. 9, 1946. 6 N442
- 20187 LAMAR, M. Stringless or limas - plant beans now. Times-Picayune New Orleans States 110(45, Mag. Sect.): 7. Mar. 10, 1946. 286.8 T483
- 20188 LECLERG, E. L. Just around the corner: South's new seed potatoes. South. Seedsman 9(2): 11, 50. Feb. 1946. 61.8 So8
- 20189 M., C. O. We start an asparagus bed. Rural New-Yorker 105: 237. Mar. 16, 1946. 6 R88
- 20190 MCMUNN, E. W. Tomato farms under glass. Ohio Farmer 197: 14-15. Mar. 2, 1946. 6 Oh3
- 20191 MAGNIDER, R., and WESTER, R. E. Birth of a bean; how does the retailer secure seed for a new lima? South. Seedsman 9(3): 16, 52, 57. Mar. 1946. 61.8 So8
- 20192 MAKSIMOVICH, M. Semennoi kartofel' [Seed potatoes]. Kolkhoz. Proizvod. 5(8/9): 20-21. Aug./Sept. 1945. 281.8 K83
- 20193 MEEHAN, C. East of the Chesapeake planting sweet potatoes. Pa. Farmer 134: 141. Feb. 23, 1946. 6 F383
- 20194 NISSLEY, C. H. New asparagus plantings. W. J. State Hort. Soc. Hort. News 27: 1786, 1789. Jan. 1946. 81 N46
- 20195 NORMAN, C. Raising tomatoes without heat. Pop. Gard. 48(2448): 3. Mar. 2, 1946. 80 G1622
- 20196 OHLAND, M. L. Production of extra early tomatoes in Pennsylvania. Market Growers J. 75(2): 18, 36, 57. Feb. 1946. 6 M34
- 20197 PHILLIPS, R. H. Greens...the year 'round. Amer. Home 35(4): 89-90, 92-94. Mar. 1946. 80 Am313
- 20198 PICKETT, B. S. Potato varieties. Prod. Packer 26(10): 3. Mar. 2, 1946. 286.85 P94
- 20199 PRINCE, A. Shallots. Poultry Farmer [London] 114(2953): 4. Jan. 25, 1946. 47.8 F312
- 20200 ROCKWELL, F. F. Tomatoes. Home Gard. 7(2): 64-65. Feb. 1946. 80 H756
- 20201 ROY, K. B. Pumpkin perfect. South. Agr. 76(3): 37. Mar. 1946. 6 So83
- 20202 RUSHING, R. B. 50 cents per hill from green beans. Farm and Ranch 65(3): 47. Mar. 1946. 6 T31
- 20203 S., H. L. Vegetables for flowers. Rural New-Yorker 105: 236. Mar. 16, 1946. 6 R88
- 20204 S., P. Jetzt schon für suppengrün im winterhalbjahr sorgen! Schweiz. Gart., No. 8, p. 230. Aug. 1945. 80 Sch93
- 20205 S., R. C. First outdoor sowings in the kitchen garden and allotment. Pop. Gard. 47: 396. Feb. 9, 1946. 80 G1622
- 20206 SCHERRER, J. B. Problems of the California vegetable seed grower. Seed World 59(5): 47. Mar. 1, 1946. 61.8 Se52
- 20207 SHEWELL-COOPER, W. E. Perennial broccoli; on how to plant out the nine-star variety. Poultry World 78: 38. Jan. 18, 1946. 47.8 P8682
- 20208 SHEWELL-COOPER, W. E. Preparation for tomatoes. Poultry World 78: 122. Mar. 1, 1946. 47.8 P8682
- 20209 SHEWELL-COOPER, W. E. Sprouting seed potatoes; deliveries now being affected need careful storage and protection from frosty conditions. Poultry World 78: 24. Jan. 11, 1946. 47.8 P8682
- 20210 SMITH, O. Some new wrinkles for potato growers. Amer. Agr. 143: 82, 94. Feb. 16, 1946. 6 Am3
- Fertilizers; seed storage.
- 20211 SMITH, R. W. Hints for the victory gardener. 40. Cardoon; globe artichoke. Organic Gard. 8(4): 32-35. Mar. 1946. 56.8 Or3
- 20212 SPOONER, H. L. Home grown vegetables essential. Farmers Guide 102(6): 14. Mar. 15, 1946. 6 In2
- 20213 TERRIER, C. Méthode de préparation du blanc de champignon de couche (*Psalliota campestris*). Landw. Jahrb. der Schweiz 59: 449-452. 1945. 17 L23
- 20214 TISSONNIER, J. Les côtes, poirées ou bottes à cardes (*Beta vulgaris*, variété ciela Linné), plante indigène et bisannuelle. Rev. Hort. Suisse 18: 176-177. Aug. 1945. 80 R3212
- 20215 TOMALIN, T. E. Food from the greenhouse. Pop. Gard. 47: 410. Feb. 23, 1946. 80 G1622
- 20216 W., C. R. Sow brussels sprouts early. Pop. Gard. 47: 411. Feb. 23, 1946. 80 G1622
- 20217 WARNE, L. G. G. Vegetable growing and research. Roy. Hort. Soc. J. 71: 75-79. (Cont.) Mar. 1946. 84 L84J
- 20218 WELCH, J. H. A new day for valley cantaloupes. Tex. Farming and Citric. 22: 7. Feb. 1946. 80 T31
- 20219 WHALLON, A. P. Color appeal in the vegetable garden. Flower Grower 33: 176, 216-217. Mar. 1946. 80 M72
- 20220 WHALLON, A. P. Heirloom vegetables. Farmer's Digest 9(11): 67-71. Mar. 1946. 6 F2206
- Local varieties.
- 20221 WHITAKER, T. W., and DAVIS, G. N. Cantaloupes 6 & 7. South. Seedsman 9(2): 14, 54. Feb. 1946. 61.8 So8
- 20222 WORK, R. Fresno County California grows vegetables. Market Growers J. 75(2): 23, 42, 50. Feb. 1946. 6 M34
- 20223 YOUR vegetable needs from your own plot; by plan 1946 planting to see you through to spring. By "Protea." Farmer [Pietermaritzburg] 34(51): 9. Dec. 21, 1945. 24 F227

## WEEDS AND POISONOUS PLANTS

- 20224 ALLEN, G. New chemical weed destroyer [Sinox] may be the answer to western flax problems. Canad. Grain J. 1(7): 11. Feb. 1946. 59.8 C16



- 20225 BARLOW, R. O. Poisonous plants. 5. *Digitalis*. *Organic Gard.* 8(4): 46-48. Mar. 1946. 56.8 Cr3
- 20226 DAVIES, MR. G. H. "Cheated" out of \$615. *Kans. Farmer* 83(5): 10. Mar. 2, 1946. 6 K13  
Cheat-grass seed with brome seed causes loss.
- 20227 GRIGSBY, B. H. 2,4-D is a "killer." *Mich. Farmer* 206: 194. Mar. 16, 1946. 6 M58
- 20228 HAGEN, G. 2,4-D is useful but no miracle. *Oreg. Farmer* 69: 140. Mar. 7, 1946. 6 Cr32
- 20229 HEALY, A. J. Grecian thistle in North Canterbury. *New Zeal. J. Agr.* 72(1): 3-4. Jan. 15, 1946. 23 N485
- 20230 HERNANDEZ ROBREDO, L. Las malas hierbas y la producción pratese. *Surco* [Madrid] 4(45): 4-8. Nov. 1945. 15 Su7
- 20231 HORSHUTTLE to get 2,4-D. *Ariz. Farmer* 25(4): 26. Feb. 23, 1946. 6 Ar44
- 20232 HYDE, E. O. C. Weed seeds in agricultural seed (eighth series). *New Zeal. J. Agr.* 72(1): 14-15. Jan. 15, 1946. 23 N485
- 20233 KEPHART, L. W. New methods of weed control in canning crops. *Canner* 102(11): 124. Mar. 2, 1946. 286.83 C16
- 20234 KEPHART, L. W. 2,4-D, new killer for weeds. *Successful Farming* 44(3): 28, 48, 55, 59. Mar. 1946. 6 Su12
- 20235 KOTT, S. Osobennosti prorastaniya semian sornykh rasteniy i nekotorye voprosy agrotekhniki (Peculiarities of weed seed germination and some questions of agricultural practices). *Vsesoyuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(6): 40-45. 1945. 20 Ak1
- 20236 LACHMAN, W. H. Control of weeds in carrots and parsnips with oil. *Market Growers J.* 75 (3): 14, 36, 48. Mar. 1946. 6 M74
- 20237 LITZENBERGER, S. C. 2,4-D; a promising new chemical for control of some weeds. *Mont. Farmer* 33(13): 9. Mar. 1, 1946. 6 M764
- 20238 MERCER, R. D. Weed control meeting held. *Mont. Farmer* 33(12): 11. Feb. 15, 1946. 6 M764
- 20239 NEATBY, K. W. Deadly poison, *Cicuta*. *Seedtime & Harvest*, No. 139, 1 p. Winnipeg, 1946. 7 Se3
- 20240 PETTEY, F. W. Biological control of prickly pear. *Farming in So. Africa* 21: 31-33. Jan. 1946. 24 So842
- 20241 POMERES, H. How to control weeds in the lawn. *Ariz. Farmer* 25(3): 21. Feb. 9, 1946. 6 Ar44
- 20242 ROBBINS, W. W. New weed killers. *Calif. Citrog.* 31: 187. Mar. 1946. 80 C125
- 20243 STRAUSS, M. R., and SPAIN, W. C. Studies on poison ivy and other dermatitis-producing plant parts wherein active, resinous principles are suspended in aqueous solution. *J. Allergy* 17: 1-10. Jan. 1946. Ref. 448.8 J8236
- 20244 WINDERS, C. W. Control measures for wild turnip, *Cruciferae*. *Queensland Agr. J.* 62: 5-6. Jan. 1, 1946. 23 Q33
- 20245 WOOD, H. E., and OLSON, P. J. A new weed killer 2,4-D. *Manitoba. Dept. Agr. and Immigr. P.* 201, 8 p. Winnipeg, 1946. 275.29 M313
- 20246 WOOD, H. E., and OLSON, P. J. Selective chemical weed control. *Manitoba. Dept. Agr. and Immigr. P.* 202, 11 p. Winnipeg, 1946. 275.29 M313
- 20248 BIRDSALL, B. J., and LOBATON, M. El porvenir del *Lonchocarpus utilis* (cube) en el Perú. *Vida Agr.* 22: 877, 879, 881-884. Oct. 1945. 9.8 V66
- 20249 BRANIGAN, G. V. Domestic and imported oil dill [*Anethum graveolens*]. *Amer. Perfumer and Essential Oil Rev.* 48(2): 65, 67, 69. Feb. 1946. 308.8 Am3
- 20250 BRUSH, W. D. Cascara buckthorn (*Rhamnus purshiana* de Candolle). *Amer. Forests* 52: 78-79. Feb. 1946. 99.8 F762
- 20251 CARTER, R. C. Be an artist with herbs! *Farm J.* 70(3): 102. Mar. 1946. 6 F2212
- 20252 CHAREN, S. Facts about marihuana, *Cannabis sativa*; a survey of the literature. *Amer. J. Pharm.* 117: 422-430. Dec. 1945. 396.8 Am3
- 20253 COOK, O. F. Africa needs palms as tree crops. *Sci. Monthly* 62: 131-139. Feb. 1946. 470 Sci23
- 20254 CORREA, L. G. Plan de fomento cacaoero. Parte II. Desarrollo del plan. *Agr. Trop.* 1(12): 9-11. Jan. 1946. 26 Ag8
- 20255 CUBA, P. Surge em Jaú novo horizonte para o cafeeiro. *Rev. Rural Bras.* 25(304): 24-26. Dec. 1945. 9.2 B733  
Restoration of coffee plantations.
- 20256 DUTCHER, J. D. Curare alkaloids from *Chondodendron tomentosum* Ruiz and Pavon. *Amer. Chem. Soc. J.* 68: 419-424. Mar. 1946. 381 Am33J
- 20257 FOXA, J. DE. La palmera de aceite, *Elaeis guineensis*, en la Guinea continental española. *Montes* 1: 5-8. Jan./Feb. 1945. 99.8 M763
- 20258 GANDAY, R. The tannin content of *Hamelis* leaves. *Pharm. J. [London]* 156: 73-74. Feb. 2, 1946. Ref. 396.8 P49
- 20259 HEATH, S. B. Irreparable damage through enforced production to rubber trees. *Saskatchewan Farmer* 37(5): 12. Mar. 1, 1946. 7 Sa74  
In Liberia.
- 20260 MCKINNEY, F. For flavor and fragrance grow herbs. *Mo. Ruralist* 87(4): 14-15. Feb. 23, 1946. 6 R8891
- 20261 MADUENO BOX, M. Contribuciones al estudio de plantas medicinales productoras de glucósidos, *Digitalis purpurea*. Spain. *Inst. Nac. de Invest. Agron. B.* 13, p. 69-96. Dec. 1945. Ref. 105.6 Spl4  
English summary.
- 20262 MELLO, A. T. DE. Oleaginosidade e vantagens culturais do tungue. *Campo* [Rio de Janeiro] 16(192): 63-67. Dec. 1945. 9.2 C15
- 20263 MELLO, P. S. Restauração dos cafezais. IX. DNC: Rev. do Dept. Nac. do Café [Brazil] 25: 639-642. Nov. 1945. 286.23 M44  
Planting and shading.
- 20264 MEYER, A. Arbres à lait - arbres au beurre. *Fruits et Primeurs de l'Afrique du Nord*. 2d. Maroc. 15: 265-266. Dec. 1945. 80 F9482
- 20265 PERRY VEGA, E. *Laretia compacta*. *Rev. Quim.-Farm.* 3(36): 8-11. Jan. 1946. 396.8 R32
- 20266 RAINY, F. Quinine hunters in Ecuador. *Natl. Geog. Mag.* 89: 341-363. Mar. 1946. 470 E213
- 20267 RICHARDS, E. Roots and herbs: extra cash from the woodlot. *Fur-Fish-Game* 81(3): 44-45, 47-49. Mar. 1946. 410 F962  
Growing ginseng.
- 20268 ROBINSON, E. Observations on honey plants. *West. Canada Beekeeper* 9(2): 12. Feb. 1946. 424.8 W525
- 20269 SCHMIDT, E. La culture du fenouil. *Rev. Hort. Suisse* 18: 177-178. Aug. 1945. 80 R3212
- 20270 THERKILDSON, H. Fla. produces agar-agar: valuable marine product, once imported, now produced here. *Amer. Eagle* 40(46): 1, 4-5. Mar. 7, 1946. 6 Am327  
From Miami Herald.

# MISCELLANEOUS ECONOMIC PLANTS (Drug, Dye, Rubber, Etc.)

- 20247 AMARAL, S. A. F. DO. Tratos culturais necessários à formação do cafezal - tratos culturais do cafezal formado - podas. Brazil. Dept. Nac. de Prod. Veg. Sec. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 44-50. Dec. 1945. 9.2 B7363



- 20271 TSENG, C. K. Seaweed products and their uses in America. Part III. In scientific research and in industry. N. Y. Bot. Gard. J. 47: 32-39. Feb. 1946. Ref. 451 N48J
- 20272 WATSON, R. W., and LEVITIN, N. Resin-rubber from Canadian grown plants. IV. Analytical study of milkweed pod gum. Canad. J. Res. Sect. F, Technol. 24: 95-105. Jan. 1946. Ref. 470 C16F
- 20273 YOUNG, R. A. Bamboos in American horticulture (III). Natl. Hort. Mag. 25: 40-54. Jan. 1946. 80 N216

## SOILS AND FERTILIZERS

### SOIL SCIENCE

#### Soil Physics

- 20274 ARONOVICI, V. S., and DOWNAN, W. W. Soil-permeability as a criterion for drainage-design. Amer. Geophys. Union. Trans. 27: 95-101. Feb. 1946. Ref. 330.9 Am3
- 20275 PEDROSA PUERTAS, R. Conocer la tierra, base económica de todos los cultivos. Segunda parte. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 298-304, 325. Oct. 1945. 65.9 A5B
- 20276 SAKHAROV, M. I. Faktory, regulirufushchie promerzanie pochv v lesnykh fitotsenozakh (Factors controlling the freezing of soils in forest phytocenoses). Pochvovedenie (Pedology), No. 8, p. 381-402. 1945. 57.8 P34
- English summary.
- 20277 SLATER, C. S., and BRYANT, J. C. Comparison of four methods of soil moisture measurement. Soil Sci. 61: 131-155. Feb. 1946. Ref. 56.8 S3

#### Soil Chemistry and Mineralogy

- 20278 ANNE, P. Sur le dosage rapide du carbone organique des sols. Ann. Agron. [Paris], 15: 161-172. Apr./June 1945. Ref. 14 An75A
- 20279 COWART, R. Increase made in soil testing. Miss. Farm Res. [Miss. Sta.], 9(1): 6. Jan. 1946. 100 M69M1
- 20280 DAVIS, F. L. Retention of phosphates by soils; IV. Solubility of phosphates retained by virgin Hammond very fine sandy loam treated with  $\text{Ca}(\text{OH})_2$  and  $\text{H}_3\text{PO}_4$ . Soil Sci. 61: 179-190. Feb. 1946. Ref. 56.8 S3
- 20281 DRUMMOND, W. C. The soil colloids as related to soil fertility. IV. Begonian 12, p. 1. e. 13, 33, 36. Feb. 1946. 96.511 B39
- 20282 GILBREATH, M. Soil testing laboratory established in Gray Hall [Arkansas University]. Ark. Agr. 23(6): 6. Feb. 1946. 276.8 Ar42
- 20283 INNES, R. F., and BIRCH, H. F. A comparison of four methods for the estimation of the exchangeable hydrogen content of soils. J. Agr. Sci. [London] 35: 236-238. Oct. 1945. 10 J822
- 20284 KHAN, D. K voprosu o metodike vydeleniia iz podzolistykh pochv nerastvorimoi fraktsii (gumin) (Methods of isolating insoluble fraction (humin) in podzolic soils). Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(7/8): 32-36. 1945. 20 Ak1
- 20285 KURTZ, T., DETURK, E. E., and BRAY, R. H. Phosphate adsorption by Illinois soils. Soil Sci. 61: 111-124. Feb. 1946. Ref. 56.8 S3
- 20286 PERKINS, A. T. Phosphate fixation by soil minerals. IV. Kana. Acad. Sci. Trans. 48: 209-217. Sept. 1945. Ref. 500 K13T
- 20287 SCARSETH, G. D. Slow fires in the soil. Hoosier Farmer 31(3): 7, 25. Mar. 1946. 280.82 H76
- Importance of organic matter in the soil.
- 20288 SETZER, J. Neutralizaçõo da acidez do solo. Quim. e Indús. 13(11/12): 10-23. Nov./Dec. 1945. Ref. 385 C442

- 20289 WOLF, B. Rapid soil tests furnish one of the implements for increasing crop yields. Amer. Fert. 104(3): 11-12, 26. (Cont.) Feb. 9, 1946. 57.8 Am3

#### Soil Biology

- 20290 GEL'TSER, F. IU. Vliianie bakterizatsii semian trav na urozhai trav i na nakoplenie prochnoi struktury pochvy (Effect of the bacterization of grass seeds upon grass yield and the accumulation of a stable soil structure). Pochvovedenie (Pedology), No. 8, p. 421-426. 1945. 57.8 P34
- English summary.
- 20291 HAAS, H. C. The earth's organic cover. Organic Gard. 8(4): 49-51. Mar. 1946. 56.2 Or3
- Topsoil and microorganisms.
- 20292 JEWITT, T. N. Nitrification in Sudan Gezira soil. J. Agr. Sci. [London] 35: 264-271. Oct. 1945. Ref. 10 J822
- 20293 MARTIN, J. P. Microorganisms and soil aggregation: II. Influence of bacterial polysaccharides on soil structure. Soil Sci. 61: 157-166. Feb. 1946. Ref. 56.8 S3
- 20294 NICAL, H. Bacteria in the soil. New Zeal. Farmer Weekly 66(21): 55. Dec. 13, 1945. 23 N484
- 20295 SHELOUMOVA, A. Udobritel'naiia tsennost' azotogena (Fertilizing value of azotogene). Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(6): 17-24. 1945. Ref. 20 Ak1
- 20296 SNYDER, C. R. Life in the soil. Saskatchewan Farmer 37(4): 28. Feb. 15, 1946. 7 Sa74
- 20297 VINE, R. Worms, weeds and water; wet winter aftermath on Hauraki Plains. New Zeal. Farmer Weekly 66(21): 8-9. Dec. 13, 1945. 23 N484

Chiefly the problem of earthworm infestation of the soil.

- 20298 ZAVIEZO MEYERSON, S. La inoculación de las leguminosas. Campesino [Santiago], 77: 743, 745. Dec. 1945. 9.3 S12

#### Soil-Plant Relationships and Soil Requirements

- 20299 LOFTIN, L. L. Poor soils---poor people. Hoard's Dairyman 91: 202. Mar. 10, 1946. 44.9 H65
- 20300 SMITH, S. E. Relation of soil mineral deficiencies to animal nutrition. Feedstuffs 18(10): 49. Mar. 9, 1946. 286.81 F322
- 20301 WALSH, T., and O'DONOHUE, T. F. Magnesium deficiency in some crop plants in relation to the level of potassium nutrition. J. Agr. Sci. [London] 35: 254-263. Oct. 1945. Ref. 10 J822

#### Soil Genesis, Formation, Classification, and Mapping

- 20302 AUBERT, G. Observations sur les sols de l'Anjou. Paris. Acad. des Sci. Compt. Rend. 221: 755-757. Dec. 12, 1945. 505 P21
- 20303 GARCÍA VAZQUEZ, R., and CABRER MESTRE, P. Suelos de Cuba. Cuba. Min. de Agr. Almanaque (1946) 2: 313-341. 8 C896
- Characteristics, color, and profile.
- 20304 HARVEY, C., and BLACKIE, W. J. Soil investigations--part 5. A note on the soils of Nadala, Colo North. Fiji. Dept. Agr. Agr. J. 16: 93-97. Dec. 1945. 25 F47Ag
- 20305 JORET, G., and MALTERRE, H. Les sols du Plateau Picard. Ann. Agron. [Paris], 15: 173-216. Apr./June 1945. Ref. 14 An75A
- 20306 LAPPARENT, J. DE. Les terrains associés aux argiles smectiques dans le pays de Teourirt (Rése Moulouya) au Maroc. Paris. Acad. des Sci. Compt. Rend. 221: 365-367. Oct. 1, 1945. 505 P21

20307 MARKKARTERINGEN b8r understöddas av staten; en centralisering av verksamheten kan ge bättre resultat, by Ager. Lantmannen 29: 1147-1149. Dec. 22, 1945. 11 L234

Interview with G. Torstensson.  
Soil mapping in Sweden.

20308 PETERSON, J. B. Effect of Pennsylvanian sediments on the properties of a gray-brown podzolic soil of Iowa. Iowa State Col. J. Sci. 20: 195-211. Jan. 1946. Ref. 470 I09

20309 STEPHENS, C. G., and others. A soil, land-use, and erosion survey of part of County Victoria, South Australia. Austral. Council Sci. and Indust. Res., B. 188, 40 p, processed. Melbourne, 1945. 514 Au72B

R. I. Herriot, R. G. Downes, T. Langford-Smith, and A. M. Acock, joint authors.

20310 WENTZEL, M. The farmer's eternal triangle. Ala. Farmer 14(3): 6, 13-14. (Cont.) Feb. 1946. 276.8 ALL

Soil types in Alabama.

20311 ZAITSEV, B. D. Kal'tsii i nakoplenie organicheskogo veshchestva v profile podzolistoi pochvy (Ca and the accumulation of organic substances in the profile of podzolic soils). Pochvovedenie (Pedology), No. 8, p. 413-420. 1945. 57.8 P34

English summary.

#### SOIL MANAGEMENT

20312 BAKER, C. E. Soil management; it's influence on apple tree roots. East. Fruit Grower 8(12): 14-15. (Cont.) Feb. 1946. 80 Ea73

20313 ORCHARD, M. Soil improvement starts at home. Farm and Ranch 65(2): 29. Feb. 1946. 6 T31

20314 ROSS, P. E. Valley farmers success in conserving the soil. Tex. Farming and Citric. 22: 18-19. Feb. 1946. 80 T31

Soil management.

20315 SIMMONS, C. Soil saving is water saving. Pacific Rural Press, North. Ed. 151: 194-195. Mar. 2, 1946. 6 P112A

In California.

#### Soil Fertility

20316 AGUIRRE A., R. El problema de devolver al suelo la materia orgánica extraída. Unión Agr. del Sur 3(20): 41-44. Nov. 1945. 9.3 Un3

20317 ALBRECHT, W. A. The French don't dare wear out their farms. Mo. Ruralist 87(5): 5, 21. Mar. 9, 1946. 6 R8891

20318 ALCARAZ MIRA, F., and BORBOLLA Y ALCALÁ, J. M. R. DE LA. Absorción de elementos fertilizantes, por la planta de tabaco. Spain. Inst. Nac. de Invest. Agron. B. 13, p. 17-67. Dec. 1945. Ref. 105.6 Spl4

English summary.

20319 ANTHONY, J. L. Phosphate for late-planted cotton. Miss. Farm Res. [Miss. Sta.], 9(1): 8. Jan. 1946. 100 M69M1

20320 AUTONEN, R. Sweet clover need not be a weed! Dakota Farmer 66(4): 9. Feb. 16, 1946. 6 D14

Use as cover crop.

20321 BARRETO MARTÍNEZ, F. Experiencia sobre el cultivo y aplicación del abono químico a la caña de azúcar. Cuba. Min. de Agr. Almanaque (1946) 2: 289-293. 8 C896

20322 BATES, E. M. Liming of pastures. New Zeal. J. Agr. 72(1): 79. Jan. 15, 1946. 23 N485

20323 BATES, E. M. Topdressing of pastures. New Zeal. J. Agr. 72(1): 75, 77. Jan. 15, 1946. 23 N485

20324 BAYARD, E. S. Using fertilizer. Mich. Farmer 206: 155. Mar. 2, 1946. 6 M58

20325 BEAUCHAMP, C. E. El abonado y la nutrición de la caña. Pt. II-III. Inst. Cubano de Suelos y Abonos B. 36, v. 4, p. 679-702, processed. Sept./Oct. 1945. 65.9 H29

20326 BEHNETT, R. R. Fertilization of flue-cured tobacco. South. Planter 107(3): 26. Mar. 1946. 6 So89

20327 BLANCHET, J. Comment restituer au sol la fécondité qu'on lui enlève. Terre de Chez Nous 18(19, 1. e. 18): 9. Feb. 6, 1946. 7 T27

20328 BRADFORD, L. A. Be sure the soil is right for burley tobacco. South. Agr. 76(3): 26. Mar. 1946. 6 So83

20329 CHAPMAN, C. J. Crop production horizons. Better Crops with Plant Food 30(1): 9-15, 42-45. Jan. 1946. 6 B46

Fertilizer demonstrations.

20330 CHAPMAN, C. J. Flow-sole placed plant food for better crop production. Better Crops with Plant Food 30(2): 10-16, 39-42. Feb. 1946. 6 B46

20331 COWIE, G. A. Study of the effects of fertilizers and rainfall on yields of crops grown in rotation. J. Agr. Sci. [London] 35: 197-206. Oct. 1945. Ref. 10 J822

20332 DODD, D. R. Fertilizer fences woodlot. Ohio Farmer 197: 12. Mar. 2, 1946. 6 Oh3

Improvement of a pasture by fertilizers.

20333 DORMAN, C. Mississippi fertilizer recommendations. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 87. Mar. 1946. 6 So81

20334 DUNBAR, C. C. Peach orchard soil management. Mountaineer Grower 16(160): 15-17. Feb. 1946. 80 M86

20335 EKSTEEN, L. L. Fertilizing of maize: the effect of phosphate, nitrogen, potash and compost. Farming in S. Africa 21: 34-37, 50. Jan. 1946. 24 So842

20336 ESPINOZA T., R. La deficiencia de la materia orgánica en los suelos; su influencia sobre los cultivos y medios de contrarrestarlas. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 19-21. Dec. 1945. 8 R3291

20337 GAYFORD, G. W. Orchard green manuring. Victoria. Dept. Agr. J. 44: 74-75. Feb. 1946. 23 V66J

20338 HARDY, F., and JORDAN, J. W. Soil fertility of some peasant lands in Trinidad. Trop. Agr. [Trinidad], 23: 12-19. Jan. 1946. 26 T754

20339 HARLAND, S. C. Exigencias de fertilizantes de los suelos de la Sierra. Vida Agr. 22: 861-866. Oct. 1945. 9.8 V66

20340 HENDRICKSON, B. H. Frosted kudzu. Soil Conserv. 11: 177-178. Feb. 1946. 1.6 So3S

Fertilizing value of kudzu.

20341 HOOVER, C. D. Profit on Mississippi soils from one ton of potash under cotton. Better Crops with Plant Food 30(2): 6-9, 49-50. Feb. 1946. 6 B46

20342 LASSETTER, W. C. Topdressing small grain-alfalfa, lespedeza, gullies. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 5. Mar. 1946. 6 So81

20343 LEWIS, C. A. Nitrogen for orchard grass. South. Agr. 76(3): 31. Mar. 1946. 6 So83

20344 LORENZ, O. A. Responses by vegetables to fertilizers. Calif. Cult. 93: 146-147, 150. Mar. 2, 1946. 6 C12

20345 MONTGOMERY, G. A. New life for wornout land; lime and phosphate, plus good management, coax profit from depleted Illinois farms in grass meat-making program. Capper's Farmer 57(3): 24, 61. Mar. 1946. 6 M693

20346 NELSON, L. B., MELDRUM, H. R., and LAWTON, K. Fertilize the oat crop!; fertilizer may boost oat yield 20 bushels an acre, tests show. Farm Sci. Rptr. 7(1): 3-6. Jan. 1946. 275.28 F22

20347 NISSLEY, C. H. Fertilizers as applied to plants in liquid form. N. J. State Hort. Soc. Hort. News 27: 1786, 1789. Jan. 1946. 81 N46



20348 NOBLE, C. V. Agricultural planning should be from soil up. Fla. Grower 54(1): 6, 25. Jan. 1946. 80 F6622

20349 OLMSTED, F. S. Give your soil its "back pay" and its wages too. East. States Co-op. 21(12): 6. Dec. 1945. 280.28 Ea7

20350 PETRIE, L. C. The Irish Aero Fertil Process. Arborist's News 11: 9-10. Feb. 1946. 00.8 Ar14

20351 PIERRE, W. H., and MELDRUM, H. R. Going to use fertilizer? Make sure it's the kind your crops and soils need to make the largest returns. Farm and Sci. Rptr. 7(1): 10-13. Jan. 1946. 275.28 F22

20352 PUGSLEY, MRS. F. W. Reed-grass a soil-builder. Horticulture 24: 134-135. Mar. 1, 1946. 80 H787

20353 RAPALLO ABAD, J. La caliza en las tierras de labor. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(17): 7, 16. Aug. 1945. 15 Spl2

20354 REED, J. F., and CUMMINGS, R. W. How much lime do North Carolina soils need? Prog. Farmer, Car.-Va. Ed. 61(3): 24, 33, 96. Mar. 1946. 6 P945

20355 RON PEDRIQUE, A. Explotación de la tierra y su fertilidad. Agr. Venezol. 10(112): 35-36. Dec. 1945/Jan. 1946. 9.95 Ag8

20356 SCARSETH, G. D. Soil fertility trials in United States. New Zeal. Farmer Weekly 66(25): 50-51. Feb. 7, 1946. 23 N484

20357 SCHOFIELD, J. L. A comparison of soil nitrate nitrogen values under bare fallow and after ploughing in various perennial tropical legumes and cowpeas. Queensland J. Agr. Sci. 2: 170-189. Sept. 1945. Ref. 23 Q37

20358 SKINNER, J. J., NELSON, W. L., and COLLINS, E. R. Potash and lime requirements of cotton grown in rotation with peanuts. Amer. Soc. Agron. J. 38: 142-151. Feb. 1946. Ref. 4 Am34P

20359 SPENCER, C. B. Winter legumes spell profit. Cotton and Cotton Oil Press 47(5): 5-6. Mar. 9, 1946. 304.8 C822

Profitability of legumes followed by cotton in a soil improvement program in McLennan County, Texas.

20360 STEPHENSON, R. E. The fertilizer rate problem. Better Crops with Plant Food 30(1): 16-18, 40. Jan. 1946. 6 B46

20361 TOLMAN, B. U and I reports on sugar-beet, fertilizer experiments. U and I Cult. 6(1): 5-10, 33-34. Feb. 1946. 66.8 U12

20362 WALRATH, E. K. Tips on how to make garden soil produce food. East. States Coop. 22(1): 24-26. Jan. 1946. 280.28 Ea7

20363 WHITTET, J. N. Pasture improvement; in the slopes, plains and western division. Agr. Gaz. N. S. Wales 56: 533-536. (Concl.) Dec. 1, 1945. 23 N472

Top dressing with superphosphate.

20364 WILLCOX, O. W. Yield-depression effect of fertilizers, IV: initial or "near-end depression." Amer. Soc. Agron. J. 38: 99-107. Feb. 1946. Ref. 4 Am34P

20365 WILSON, H. M. Doctoring-up the farm. Agr. Leaders' Digest 27(2): 28, 30. Feb. 1946. 275.28 Am3

Soil depletion and erosion.

20366 WITTMER, S. H., ALBRECHT, W. A., and GOFF, R. B. Vegetable crops in relation to soil fertility; III. Oxalate content and nitrogen fertilization. Food Res. 11(1): 54-60. Jan./Feb. 1946. 389.8 F7322

#### Soil Tilth and Tillage

20367 BARLOW, C. R. Alfalfa orchard mulch at Salmon Arm and Sorrento brought increased yields. Country Life (Vernon), 30(1, i. e. 3): 11. Mar. 1946. 7 C832

20368 COLLINGS, G. Fertilizer South - South Carolina needs. Com. Fert. 72(1): 20, 24. Jan. 1946. 57.8 C73

20369 CONARD, X. Preparation for spring planting. Ohio Farm Bur. News 25(8): 18-19. Mar. 1946. 6 Ch34

Seed bed preparation.

20370 ELPEL, G. Dry land (vegetable) garden. Mont. Farmer 33(12): 7. Feb. 15, 1946. 6 M764

20371 EVERETT, F. H. This "speed the plough" problem. Farmers Weekly (London) 24(3): 35. Jan. 18, 1946. 10 F2226

20372 KELLEMBERGER, F. S. Saves pencil sharpenings. Horticulture 24: 144. Mar. 1, 1946. 80 H787

Use as mulch.

20373 STUCKEY, H. P. Fertilizer South - Georgia's needs. Com. Fert. 72(1): 21, 25. Jan. 1946. 57.8 C73

20374 TO PLOUGH or not; theory of the surface humus. By Namron. New Zeal. Farmer Weekly 66(21): 57-58. Dec. 13, 1945. 23 N484

#### Drainage, Irrigation, Water Supply, and Flood Control

20375 ANGELL, G. N. Another desert blossoms. Idaho Farmer 64: 27, 51. Jan. 17, 1946. 6 G282

20376 BECK, V. S. Testimony of a soil test [affects drainage plans]. Farm and Ranch 65(2): 18, 26. Feb. 1946. 6 T31

20377 CARRIER, L. Flood control along Virginia rivers. South. Planter 107(3): 22-23. Mar. 1946. 6 S89

20378 CLAWSON, M. Irrigation makes new farms. Business of Farming 4(8): 10-11. Jan./Feb. 1946. 6 B96

20379 COOK, A. A. Radial detection or "divining." Past. Rev. 56(1): 31-32. Jan. 16, 1946. 23 Au75

Locating underground running water.

20380 COUSINS, J. E., JR. Irrigation means bumper crops. Fla. Grower 54(3): 8-9, 12. Mar. 1946. 80 F6622

20381 FITZPATRICK, J. T. Cause of salting in soils. C. S. I. R. Irrig. Res. Sta., Griffith. Farmers' Newslet., No. 7, p. 3. Nov. 1945. 55.9 C87

20382 FITZPATRICK, J. T. Frequency of summer irrigation. C. S. I. R. Irrig. Res. Sta., Griffith. Farmers' Newslet., No. 7, p. 5-6. Nov. 1945. 55.9 C87

20383 FROLOW, V. La répartition de la date médiane de la crue de printemps en U. R. S. S. Paris. Acad. des Sci. Compt. Rend. 221: 377-379. Oct. 1, 1945. 505 P21

20384 HENIN, S., and TURC, L. Comparaison entre diverses formules reliant l'écoulement et les précipitations. Paris. Acad. des Sci. Compt. Rend. 221: 760-762. Dec. 12, 1945. 505 P21

Lysimetric measurements.

20385 FOBBS, H. W. Runoff-behavior of small agricultural watersheds under various land-use practices. Amer. Geophys. Union. Trans. 27: 69-80. Feb. 1946. Ref. 330.9 Am3

20386 HOWARD, C. S., and LOVE, S. K. Quality of surface waters of the United States 1943, with a summary of analyses of streams in Colorado River, Pecos River, and Rio Grande Basins, 1925 to 1943. U. S. Geol. Survey. Water-Supply Paper 970, 180 p. Washington, 1945. 407 G29W

20387 HOWARD, F. P. Potatoes move into the Escalante Desert. Soil Conserv. 11: 195-196, 206. Mar. 1946. 1.6 S03S

Irrigation development.

20388 HUFF, W. C. Diversion terraces built-to-last. Furrow, Mil. - F. Ed., 50: 5. Nov./Dec. 1945. 6 F98M

For diversion of excess water.



- 20388 KLEIN, J. The East Mesa controversy. Calif. Cult. 93: 97, 118. Feb. 16, 1946. 6 C12  
Utilization of California area depends on soil quality and irrigation.
- 20390 KOSTIAKOV, A. N. O normirovanii vody pri oroshenii. Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(6): 6-13. 1945. 20 Akl  
Conservation of water in irrigation.
- 20391 LEADLEY, T. Survey may solve water use dispute; then Nebraska can irrigate one million more acres. Nebr. Farmer 88(4): 7, 46. Feb. 16, 1946. 6 N27
- 20392 MALLABY, H. The soil auger; use recommended before and after irrigation alternative to hit-or-miss waterings. Citrus News 21: 183. Dec. 31, 1945. 80 C494
- 20393 MORGAN, A. Reclamation of saline soils. Victoria. Dept. Agr. J. 44: 32-33. Jan. 1946. 23 V66J
- 20394 NICHOLSON, H. E. Some problems in field drainage. Scot. J. Agr. 25: 213-219. Jan. 1946. 10 Sco8230
- 20395 POE, E. How Taos farmers water their fields in New Mexico. Soil Conserv. 11: 207-208. 213. Mar. 1946. 1.6 So33
- 20396 POE, E. Underwater pastures. Farm and Ranch 65(3): 39. Mar. 1946. 6 T31  
Irrigation experiments.
- 20397 POE, E. Water for the valleys of Taos County. New Mex. Mag. 24(3): 12-13, 48. Mar. 1946. 288.8 N46
- 20398 POZO RODRIGUEZ, P. DEL. Los perjuicios del gasto sólido en las obras de desecación y riego del Valle de Sogamoso. Tierras y Aguas 7: 120-132. Mar./Apr. 1945. 282.8 T44
- 20399 REBOUR, H. L'arrosage en pluie. Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc. 15: 255. Dec. 1945. 80 F0482
- 20400 RODGERS, F. Britain's largest reservoir. Field 157: 13. Jan. 5, 1946. 10 F45  
Ladybower reservoir in Derbyshire.
- 20401 SOTOLONGO RODRIGUEZ, A. Cultivo del arroz con regadio. Cuba. Min. de Agr. Almanaque (1946) 2: 309-312. 8 C896
- 20402 TIPPING, A. J. Water supply and drainage difficulties outside the farm. C. S. I. R. Irrig. Res. Sta., Griffith. Farmers' Newslet., No. 7, p. 4. Nov. 1945. 55.9 G87
- 20403 UNRUH, S. Flood irrigation saved us. Mont. Farmer 33(12): 1, 35. Feb. 15, 1946. 6 M764
- 20404 WILLIAMS, M. W. Water where it's needed. Farm and Ranch 65(2): 12, 14. Feb. 1946. 6 T31  
Altus Dam, Oklahoma.
- 20405 WILLIAMS, V. C. Future of the M. I. A. in the hands of its farmers. C. S. I. R. Irrig. Res. Sta., Griffith. Farmers' Newslet., No. 7, p. 1-2. Nov. 1945. 55.9 G87  
Murrumbidgee Irrigation Areas.
- 20406 WILSON, C. M. River come closer to my door. Sci. Monthly 62: 117-126. Feb. 1946. 470 Sci23  
Reclamation by silting in Honduras.
- Erosion and Erosion Control
- 20407 BECK, V. S. Forty per cent more grass. Farm and Ranch 65(3): 42. Mar. 1946. 6 T31  
Contour farming.
- 20408 BLACK, R. Conservation--the lesson of history. Alberta Wheat Pool Budget, No. 744, p. 3. Feb. 15, 1946. 280.2599 ALL
- 20409 BROWNING, G. M. Around the hill farming. Farm Sci. Rptr. 7(1): 23-24. Jan. 1946. 275.28 F22
- 20410 BUIE, T. S. Corporal Atkins takes over; war hero, given farm by friends and neighbors, maps strategy for battle of the land. Soil Conserv. 11: 171-174. Feb. 1946. 1.6 So3S  
Soil conservation.
- 20411 CARSTENSEN, H. P. Conserve the soil. Northwest Farm News 29(7): 2. Feb. 14, 1946. 275.293 N81
- 20412 CHEPIL, W. S. Dynamics of wind erosion: IV. The translocating and abrasive action of the wind. Soil Sci. 61: 167-177. Feb. 1946. Ref. 56.8 So3
- 20413 DANIELS, E. A. Massachusetts joins the soil conservation parade. New England Homestead 119(4): 3, 8. Feb. 23, 1946. 6 N442
- 20414 DURST, L. H. Where flood waters run clear. Outdoor Amer. 11(2): 8-9, 16. Jan./Feb. 1946. 410 I21  
Soil conservation in Europe.
- 20415 ELLISON, W. D. Soil detachment and transportation. Soil Conserv. 11: 179, 190. Feb. 1946. 1.6 So3S
- 20416 EMERSON, A. W. Contouring saves soil and equipment and produces more. Farm Impl. News 67(6): 76-79. Mar. 14, 1946. 58.8 F22
- 20417 EMERSON, A. W. Sound soil conservation depends on terracing farm lands. Impl. and Tractor 61: 44-46, 72, 74. Mar. 9, 1946. 58.8 W41
- 20418 HARVEL, L. W. Building income by building soil. Farm and Ranch 65(3): 13. Mar. 1946. 6 T31
- 20419 HEITZMAN, W. Staff or serpent? Soil Conserv. 11: 209-211. Mar. 1946. 1.6 So3S  
Soil conservation.
- 20420 HEITZER, J. M. Kentucky co-ops move the earth. News Farmer Coop. 12(12): 6-7, 16. Mar. 1946. 166.2 N47  
Soil and water conservation cooperatives.
- 20421 HOEKZEMA, J. P. Shall we terrace or lose part of our farm? Farmers Guide 102(6): 25. Mar. 15, 1946. 6 In2
- 20422 HOWARD, A. L. Erosion in the Sudan. Nature [London] 157: 233. Feb. 23, 1946. 472 N21
- 20423 KLUGH, R. H., and KUCPLES T., J. A. La conservación de los suelos. Panama. Min. de Agr. y Con. Rev. de Agr. y Con. 5(52): 7-10. Dec. 1945. 8 R3291
- 20424 KRIEBEL, R. M. Our land and our living. An educational approach to soil conservation. School Sci. and Math. 46: 199-205. Mar. 1946. 470 Sch64
- 20425 LARUE, P. Lutte contre l'érosion; les labours à niveau. Génie Rural et Elect. Rurale 38 (11): 8-9. Nov. 1945. 58.8 Au8
- 20426 LOWER, F. A county [soil] conservation program for the dairy farmer. Ohio Holstein News 9 (3): 18-19. Mar. 1946. 43.8 Oh3  
Columbiana County.
- 20427 LUBBE, C. N. The real cause of soil deterioration; problem linked with produce marketing. Farmer [Pietermaritzburg] 34(51): 6. Dec. 21, 1945. 24 F227  
Soil erosion.
- 20428 MCCLYMONDS, A. E. Leaders on the land. Soil Conserv. 11: 200-201. Mar. 1946. 1.6 So3S  
Awards for soil conservation practices.
- 20429 MALVIN, G. F. The grass grows green. Canad. Nature 8: 44-46. Mar./Apr. 1946. 410 C152  
Soil conservation.
- 20430 MUSER, O. J. This county superintendent is a soil conservationist. Soil Conserv. 11: 183-185. Feb. 1946. 1.6 So3S
- 20431 OGILVIE, A. G. Land reclamation in Scotland. Scot. Geog. Mag. 61: 77-84. Dec. 1945. 472 Sco8
- 20432 PARRISH, D. W. Cooperation against soil erosion. Ala. Farmer 14(3): 10. Feb. 1946. 276.8 ALL
- 20433 PATTERSON, A. B. "We all must work together." Soil Conserv. 11: 211-213. Mar. 1946. 1.6 So3S



20434 PRESNIAKOVA, G. A. Vliianie stepeni eroirovannosti (smytosti) pochv na urozhai sel'skokho-zhaimstvennykh kul'tur [Effect of degree of soil erosion on the yields of agricultural crops]. Pochvo-vedenie (Pedology), No. 8, p. 427-434. 1945. 57.8 P34

English summary.

Study made by the Pochvennyi Institut Akademii Nauk SSSR in the Bashkir Republic.

20435 PROCRASTINATION is the thief of prosperity. By "Lucretius." Forest and Bird, No. 78, p. 9-11. Nov. 1945. 413.9 N42

Study of erosion in New Zealand.

20436 REID, L. E., JR. Joe now "lives at home." Soil Conserv. 11: 214. Mar. 1946. 1.6 So33

Results from soil conservation program.

20437 SERVISS, G. How to prevent soil depletion. Amer. Agr. 143: 30. Jan. 19, 1946. 6 Am3

20438 SEVERSON, R. Soil conservation makes seed sales. Seed World 59(5): 8-9. Mar. 1, 1946. 61.8 Se52

20439 SPENCER, C. B. Crotalaria for erosion control and soil building. Farm and Ranch 65(3): 20. Mar. 1946. 6 F31

20440 STEWART, J. Conserving Kentucky's soil. Soil Conserv. 11: 198-200. Mar. 1946. 1.6 So33

Prize-winning essay by high school student.

20441 THOMAS, R. G. The preservation of the soil: some notes on soil erosion and soil conservation. Countryman (ser. 21), No. 1, p. 4. Jan. 11, 1946. 281.8 C83

20442 TOWNS, H. Resetting orchards on contour. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 25. Mar. 1946. 6 So81

20443 UNSWORTH, J. A service that pays dividends; the maintaining of trees and other prospective herbage within that of economic limits. Australasian Beekeeper 47: 122. Nov. 1945/Jan. 1946. 424.8 Au72

Prevention of soil erosion.

20444 WHITE, J. A. Causes of erosion. Ala. Farmer 14(3): 8. Feb. 1946. 276.8 AL1

#### Sanitation

20445 JACKS, R. Soil disinfection. IV. Chemical treatment of glasshouse soil. New Zeal. J. Sci. and Technol. 27: 250-255. Oct. 1945. Ref. 514 M48A

20446 WISSLEY, C. H. Steam is successful in plant bed sterilization for disease control. N. J. State Hort. Soc. Hort. News 27: 1785. Jan. 1946. 81 M46

20447 SHEWELL-COOPER, W. E. Soil pests and their destruction. Field 187: 281. Mar. 9, 1946. 10 F45

20448 TOMLINSON, J. W. A simple method of sterilizing soil; how an amateur solved the problem. Pop. Gard. 48(2448): 2. Mar. 2, 1946. 80 G1622

#### MATERIALS FOR SOIL IMPROVEMENT

20449 HALVORSON, R. A. Fertilizer analyses and registrations, 1945, 55 p. St. Paul, Minn. Dept. of Agr., Dairy and Food, 1945. 57.9 M66

20450 HILL, L. Our soils and the Fertilizer Policy Bill. Nation's Agr. 21(1): 6, 25, 27-28. Jan. 1946. 280.82 B89

20451 I. G. FARBENINDUSTRIE AKTIENGESSELLSCHAFT. Report on the production of synthetic fertilizers. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1780, 53 p., processed. Washington, 1945. 157.8 R29

20452 NATIONAL FERTILIZER ASSOCIATION. 1945 annual report. Com. Fert. Ybk. 72(2-A): 41-42, 44-45, 47-48. Dec. 1945. 57.8 C73Y

20453 PRINDEVILLE, C. T. Report of the Public Relations Committee of the N. F. A. Com. Fert. Ybk. 72(2-A): 48-49, 52. Dec. 1945. 57.8 C73Y

20454 RAPALLO ABAD, J. Agricultura; lo que son y como se emplean los abonos quimicos. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(12): 4-5. Mar. 1945. 15 Spl2

20455 RORTY, J., and NORMAN, N. P. Rorty, in role of farmer, makes 'fertilizer' study. Coop. Consum. 13(4): 2. Feb. 28, 1946. 280.28 C7836

On the Hill-Bankhead Bill.

#### Primary Materials

20456 BARBIER, G., CHABANNES, J., and MARQUIS, A. Action sur les végétaux d'un accroissement local de la concentration du milieu en ions phosphoriques. Paris. Acad. des Sci. Compt. Rend. 221: 710-711. Dec. 3, 1945. 505 P21

20457 COBB, G. R. Potash increases tomato yield and quality. Better Crops with Plant Food 30(1): 26, 45-47. Jan. 1946. 6 B46

20458 DESHUSSES, L. A. Comment utiliser au mieux les engrais phosphatés disponibles. Rev. Romande d'Agr., de Vitic. et d'Arbor., No. 2, p. 1-2. Feb. 1945. 17 J82A

20459 DESHUSSES, L., and CORRAZ, J. Scories Thomas et autres engrais phosphatés. J. d'Agr. Suisse 67(42): 1. Oct. 20, 1945. 17 J82

20460 DISTZ, E. F. Ammonium nitrate on Vicland oats. Amer. Fert. 104(3): 10. Feb. 9, 1946. 57.8 Am3

20461 EDWARDS, C. S. Nitrogen; a history and future predictions. Com. Fert. Ybk. 72(2-A): 53-54, 56-57, 59. Dec. 1945. 57.8 C73Y

20462 GREGORY, A. S., and FOGLER, M. Current status of the German synthetic nitrogen fertilizer industry. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1764, 35 p., processed. Washington, 1945. 157.8 R29

20463 HOPKINS, D. P. The phosphates position. Smallholder 74(1874): 13. Feb. 15, 1946. 10 Sml

20464 OLD, A. N. The geologic sources of the commoner chemical elements; their agricultural significance. Agr. Gaz. N. S. Wales 57(1): 13-16, 30. (Cont.) Jan. 1946. 23 N472

Phosphorus.

20465 OLIVEIRA, G. M. DE A. Salitre no Piauí. I-II. Rev. Bras. de Quím. (Cien. & Indus.) 20: 240, 242-249; 287-288, 290, 291. (To be cont.) Sept.-Oct. 1945. 385 R322

20466 PITNER, J., and EDWARDS, F. E. Liquid and solid nitrogen sources. Miss. Farm Res. Miss. Sta., 9(1): 6. Jan. 1946. 100 M69M1

20467 REED, F. H. Coke and nitrogen fertilizer plant Reichswerke Hermann Göring A. G. Linz, Austria. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3461, 37 p., processed. Washington, 1945. 157.8 R29

20468 STALE, J. Les scories Thomas. Rev. Romande d'Agr., de Vitic. et d'Arbor., No. 11, p. 1-2. Nov. 1945. 17 J82A

20469 STINSON, F. A. The sources of potash for flue-cured tobacco. Better Crops with Plant Food 30(1): 20-22, 40-42. Jan. 1946. 6 B46

20470 TURRENTINE, J. W. Potash in war and peace. Com. Fert. Ybk. 72(2-A): 63-64, 66-68, 70-71. Dec. 1945. 57.8 C73Y

20471 VOL'KOVICH, S. Novye resursy tukovoi promyshlennosti (Fosfority Kara-Tau) [New resources of the fertilizer industry (the phosphorites of Kara-Tau)]. Planovoe Khoz., No. 5, p. 48-60. Moskva, 1945. 280.8 P69

20472 WHITEHEAD, S. B. Know your fertilizers. 4-7. Pop. Gard. 47: 386, 406, 414; 48: 6. Feb. 2, 16, 23, Mar. 2, 1946. 80 G1622

4. Sulphate of potash. 5. Potash salts and kainit. 6. Hoof and horn. 7. Sulphate of ammonia.

#### Secondary and Minor Element Materials

20473 GARCÍA HUIDOBRO, J. Importancia del boro en la fertilización de los cultivos. Campesino, Santiago, 77: 734-735. Dec. 1945. 9.3 Sol2



Mixed Fertilizers and Fertilizer Technology

- 20474 SCARSWORTH, G. D. Sweat less with high analysis; advocates use of fertilizers with higher plant food content. Iowa Bur. Farmer 10(1): 15, 19. Jan. 1946. 275.293 Iowa

Fertilizer Statistics

- 20475 G., H. Manglen paa kunstgødning. Fi-nanstidende 31: 256-257. Jan. 1, 1946. 284.8 F49  
Chiefly on the lack of fertilizers in Europe.  
20476 HOPKINS, D. P. Why some fertilizers are still hard to get. Smallholder 74(1871): 12-13. Jan. 25, 1946. 10 Sml  
20477 L., H. A. The fertilizer situation. Rural New-Yorker 105: 186. Mar. 2, 1946. 6 R88  
20478 WILKINSON, C. Fertilizer shortage hits spud crop. Calif. Fruit and Veg. Rev. 6(12): 20-21. 65. Mar. 1946. 80 C1224

Mineral Soil Amendments

- 20479 LAWRENCE, O. Lime - the catalyst. Cr-ganic Gard. 8(4): 36-37. Mar. 1946. 56.8 Or3  
20480 VALLENTE A., C. A. Uso de la cal en agri-cultura. Rev. Canad. [San Salvador 5(71/73): 23. Oct./Dec. 1945. 8 R3292  
"De 'Lamatepec.'"  
For soil improvement.

Manures and Composts

- 20481 BAKHULIN, M. Nakoplenie i khranenie na-voza zimoi [Accumulation and storage of manure during winter]. Sovkhoz. Proizvod. 5(10): 49. Oct. 1945. 20 So85  
20482 DECOUX, L., and GOIDSENHOVEN, W. VAN. Un essai de fumier artificiel en 1944. Inst. Belge pour l'Amélior. de la Betterave P. 13: 66-72. Mar./Apr. 1945. 66.9 In7  
English summary.  
20483 D'EWIGHT, J. Preparación de abonos orgánicos. Campesino [Santiago, 77: 739-742. Dec. 1945. 9.3 Sol2  
20484 DILLMAN, S. D. How I dispose of my poul-try litter. Amer. Poultry J., Cent. Ed. 77(3): 50. Mar. 1946. 47.8 Am32  
20485 GOURLAY, J. H. Production of mulch materi-al. Amer. Fruit Grower 66(3): 18, 38-39. Mar. 1946. 80 G85  
20486 HANES, L. W. Garden use of seaweed [for top dressing]. Pop. Gard. 47: 406. Feb. 16, 1946. 80 G1622  
20487 HOGG, A. G. Mushroom growing on a com-mercial scale; preparation of the manure. Small-holder 74(1873): 10. Feb. 8, 1946. 10 Sml  
20488 HOLTZINGER, J. F. More about composters. Small Stock Mag. 30(3): 32F. Mar. 1946. 48.8 P442  
20489 HOWES, H. Get the manure to the land. Mod. Poultry Keeping 54: 169. Feb. 27, 1946. 47.8 Eg3  
20490 HUMPHRIES, E. C., and RODRIGUES, G. De-composition of cacao leaves under natural conditions. J. Agr. Sci. [London] 35: 247-253. Oct. 1945. 10 J822  
20491 LUNT, H. A. Preliminary greenhouse stud-ies of digested sludge as a fertilizer. Sewage Works J. 18(1): 46-53. Jan. 1946. 293.8 Se8  
20492 OLDERSHAW, A. W. Nitrogen down the drain. Farmers Weekly [London] 24(3): 33. Jan. 18, 1946. 10 F2226  
Utilization of surplus straw and animal urine.  
20493 SAUCHELLI, V. Lignin: fertilizer material or soil amendment. Amer. Fert. 104(3): 7-9, 28, 30. Feb. 9, 1946. Ref. 57.8 Am3  
20494 SMITH, F. B. Falling leaves are valuable. Fla. Grower 54(1): 28. Jan. 1946. 80 F6622  
20495 STYER, J. F. Mulches for peonies. Amer. Peony Soc. 4. 100, p. 5-7. Dec. 1945. 81 Am38B  
20496 WAKSMAN, S. A. What is humus? The most important soil constituent and our most valuable natural resource. Sugar Beet 6(2): 18-19. Mar. 1946. 66.8 Su34B

FORESTRYFOREST ECONOMICS AND POLICY

- 20497 ALLEN, G. S. A forest era. Brit. Colum-bia Lumberman 30(2): 56. Feb. 1946. 99.81 B77  
20498 CAMERON, D. R. La situation forestière et ses problèmes au Canada. Forêt Québécoise 11: 45-48. Jan. 1946. 99.8 F79  
20499 CLINE, A. C. Forestry is big business in Austria. Amer. Forests 52: 58-61, 93-94. Feb. 1946. 99.8 F762  
20500 DAY, C. A. Town forest solves a land-use problem. Ext. Serv. Rev. 17: 40-41. Mar. 1946. 1 Ex892Ex  
20501 FJELSTAD, A. La situation forestière et ses problèmes en Norvège. Forêt Québécoise 11: 67-69, 71. Jan. 1946. 99.8 F79  
20502 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Documents of the conference, 1st session, Nos. 100-101, 104, 115-116, 126(1. e. 121), 122, 125, 131-133, 141, 145, 149, 172, 198-201, pro-cessed. Washington, D. C., 1945. 389.9 F735D  
The above documents are reports of Commission A, Committee III (Forestry) with titles as follows:  
100. Report of panel 4 (Forest products and living standards) of Committee III, Commission A, 2 p.  
101. Report of panel No. 1 (Forestry, forest prod-ucts and rural welfare) Committee III, Commission A, 4 p.  
104. The forest situation and forest problems of the Union of South Africa, by O. R. Viljoen, 5 p.  
115. The forest situation and forest problems of China, by H. K. Fu, 4 p.  
116. The forest situation and forest problems of France, by M. Laloup, 13 p.  
121. The forest situation and forest problems of the Philippines, by L. T. Ruiz, 3 p.  
122. Report of panel 3 (Forest research and educa-tion), Committee III, Commission A, 4 p.  
125. The forest situation and forest problems of Denmark, by P. Lorenzen, 2 p.  
131. The forest situation and forest problems of the Netherlands and Netherlands Indies, by F. W. Malsch, 4 p.  
132. The forest situation and forest problems of Norway, by A. Fjelstad, 3 p.  
133. The forest situation and forest problems of Greece, by A. Loverdos, 2 p.  
141. A world policy for forestry and forest prod-ucts, 23 p.  
145. The forest situation and forest problems of the United States, by L. F. Watts, 5 p.  
149. The forest situation and forest problems of India, by Sir H. Howard, 6 p.  
172. Report of Committee on Forestry and Forest Products, 17 p.  
198. The forest situation and forest problems in Belgium and in the Congo, by G. Delevoy, 9 p.  
199. The forest situation and forest problems of Canada, by D. R. Cameron, 4 p.  
200. The forest situation and forest problems of Mexico, by A. Gonzalez Gallardo, 9 p.  
201. The forest situation and forest problems of the United Kingdom and colonies, by H. G. Champion, 5 p.  
20503 GARCIA ESCUDERO, P. La Residencia Forestal de Lourizán (Pontevedra). Montes 1: 16-19. Jan./Feb. 1945. 99.8 M763  
20504 GERARD, F. Las explotaciones de maderas tropicales; eventualidades económicas a que se encuentran expuestas. Indus. Forest. 1(2): 10-11. Mar. 1945. 99.8 In23  
20505 GERARD, F. La industria de maderas no coníferas y nuestro comercio exterior. Indus. Forest. 1(3): 10-12. July 1945. 99.8 In23  
Mexico.  
20506 GERARD, F. La industria maderera dentro de la economía general de México. Indus. Forest. 1(1): 8-11. Jan. 1945. 99.8 In23



20507 KALMER, J. Britain's forest planning. Timber of Canada 6(6): 41-43, 50, 70. Feb. 1946. 99.81 T487

In cooperation with the United Kingdom Information Office.

20508 KNAPP, F. M. Whither forestry in British Columbia? Brit. Columbia Lumberman 30(2): 36-37. Feb. 1946. 99.81 B77

20509 MACKINNON, J. A. Lumber export policy outlined by Minister of Trade and Commerce. Canada Lumberman 66(2, 1. e. 3): 54-55, 65. Feb. 1, 1946. 99.81 C16

20510 MIJARES, C. G. Hay que intensificar la reforestación del país. Indus. Forest. 1(3): 13-14. July 1945. 99.8 In23

20511 MULLOY, G. A. Forest capital and income. Timber of Canada 6(6): 74. Feb. 1946. 99.81 T487

20512 PANDAL, A. El atraso de la industria forestal. Mexico. Indus. Forest. 1(1): 7. Jan. 1945. 99.8 In23

20513 PANDAL, A. Características de la industria forestal. Indus. Forest. 1(2): 6-7. Mar. 1945. 99.8 In23

20514 RODRIGUEZ HARO, F. Sugestiones para resolver el problema forestal de Michoacan. Indus. Forest. 1(1): 12-13. Jan. 1945. 99.8 In23

20515 SEGURA JAIMES, J., and BARRIQUETE V., M. El problema de los desmontes en relación con la agricultura. Mexico. Indus. Forest. 1(4): 17-18. Sept. 1945. 99.8 In23

20516 SMITH, L. M. The South looks to its forests. Forest Farmer 5(5): 3-4. Feb. 1946. 99.8 F7692

20517 SWAN, E., JR. Haiti builds an industry. Inter-Amer. 5(3): 28-30. Mar. 1946. 280.8 In85  
Development of a pine forest.

20518 TAPIA T., R. Es necesario volver los ojos al pasado. Indus. Forest. 1(3): 16-17. July 1945. 99.8 In23

Forestry problems in Mexico.

20519 URANGA LOYA, A. Urge reglamentar las unidades industriales de explotación forestal. Mexico. Indus. Forest. 1(5): 2-3. Nov. 1945. 99.8 In23

20520 WARD, J. D. U. Timber: importance of the forestry industry to the households of this country. Farmer & Stock-Breeder 60: 138. Jan. 15, 1946. 10 F228

Forestry in Great Britain.

#### Legislation

20521 MORENO VILLANUEVA, A. La multa forestal. Indus. Forest. 1(4): 2-3. Sept. 1945. 99.8 In23  
Forest legislation in Mexico.

20522 TAPIA T., R. Necesidad imperiosa de reformar el Artículo 209 del Código Agrario Vigente, como medida protectora de la vegetación forestal. Mexico. Indus. Forest. 1(2): 8-9. Mar. 1945. 99.8 In23

#### Prices

20523 BEMIS, J. R. Goal set for southern pine: directive No. 94 says price increase depends on attainment of goal. Wood Construct. 32(5): 7. Mar. 1, 1946. (Madison Sub-Branch Libr.)

20524 GOETZ, S. M. Should price control on lumber be continued? South. Lumberman 172: 32. Mar. 1, 1946. 99.81 S682

20525 HAAG, H. C. Urges OPA to be realistic: legitimate ways of beating price ceilings up prices for lumber dealer. Wood Construct. 32(6): 7. Mar. 15, 1946. (Madison Sub-Branch Libr.)

20526 SOEST, J. VAN. Relatieve houtprijzen. Nederland. Boschbouw. Tijdschr. 17: 300-303. Nov. 1945. 99.8 N26

#### FOREST DESCRIPTION AND RESOURCES

20527 AIZPURU V., L. Recursos forestales. Mexico. Indus. Forest. 1(4): 19. Sept. 1945. 99.8 In23

20528 CASTRO F., F. Importancia del conocimiento de nuestros recursos forestales y de su capacidad productiva. Mexico. Indus. Forest. 1(2): 12-14. Mar. 1945. 99.8 In23

20529 FROST, E. T. The passing of the forest. Forest and Bird, No. 78, p. 2. Nov. 1945. 413.9 N42

Hokianga Harbor in New Zealand.

20530 LEPAGE, E. Regards sur la forêt du Nouveau Québec. Forêt Québécoise 11: 123-131. Feb. 1946. 99.8 F79

20531 SHILLINGLAW, A. W. Military survey of the forest resources of the Commonwealth territories. Austral. Timber J. 11: 613, 619. Jan. 1946. (Madison Sub-Branch Libr.)

20532 STOECKLER, J. H. The epic of Minnesota's forests. Amer. Forests 52: 62-63. Feb. 1946. 99.8 F762

Mural at the University of Minnesota.

20533 STEINZ, A. J. The Davy Crockett National Forest. Gulf Coast Lumberman 33(20): 14, 16. Jan. 15, 1946. 99.81 G95

#### Individual Genera and Species

20534 GREEN, B. The walnut picture: outlook good with production increasing satisfactorily. Cosgrove's Mag. 17(6): 44, 46. Mar. 1946. (Madison Sub-Branch Libr.)

#### FOREST ADMINISTRATION AND MANAGEMENT

20535 CHEYNEY, E. C. Forest plantations in northern Minnesota. J. Forestry 44: 39-40. Jan. 1946. 99.8 F768

20536 CLAPP, C. E. Alabama's woodlands produce high figures; yield is attributed to good fire protection, wise cutting methods. Timber Topics 8(5): 2. Jan./Feb. 1946. 99.81 T486

20537 COLLINGWOOD, G. H. Forest care pays dividends. Wood Construct. 32(6): 5, 28. Mar. 15, 1946. (Madison Sub-Branch Libr.)

20538 CALICIA, J. F. Trabajos de ordenación y explotación forestal en terrenos de indígenas Tarahumaras en el Estado de Chihuahua. Indus. Forest. 1(2): 23-24; (3): 26-29. (Cont.) Mar., July, 1945. 99.8 In23

20539 GROBER, S. Forestry in Japan. J. Forestry 44: 64-65. Jan. 1946. 99.8 F768

20540 GUTIERREZ ROLDAN, E. Aspectos de la industria forestal. Mexico. Indus. Forest. 1(1): 5-6. Jan. 1945. 99.8 In23

20541 GUTIERREZ ROLDAN, E. Discurso pronunciado ... el día 15 de Marzo de 1945. Indus. Forest. 1(3): 3-8. July 1945. 99.8 In23  
Work of the Dirección Forestal y de Caza, Mexico.

20542 HALL, A. G. De-nazified forestry. Amer. Forests 52: 54, 96. Feb. 1946. 99.8 F762  
German forests in the American zone of occupation.

20543 HOUGH, A. F., and TAYLOR, R. F. Response of Allegheny northern hardwoods to partial cutting in northwestern Pennsylvania. J. Forestry 44: 30-38. Jan. 1946. 99.8 F768

20544 JANSEN, W. L. De leeftijdsaanduiding der opstanden op de bedrijfskaart. Nederland. Boschbouw. Tijdschr. 17: 295-296. Nov. 1945. 99.8 N28

Indicating the age of stands on working plan maps.

20545 KELLY-EDWARDS, E. J. Forestry notes for conservation officers. Part II. Uses of indigenous forest: wind breaks; general tree planting. Rhodesia Agr. J. 42: 434-444. Sept./Oct. 1945. 24 R34

20546 KIRKLAND, B. P. Let's grow big timber too! Amer. Forests 52: 68-70, 91-92. Feb. 1946. 99.8 F762

20547 KNEELAND, P. D. Problems of a hardwood operator discussed from a forester's point of view - Part II. Timber of Canada 6(6): 86-87. Feb. 1946. 99.81 T487

20548 MEZA CIENFUEGOS, H. El problema forestal de Michoacan. Indus. Forest. 1(3): 9. July 1945. 99.8 In23

20549 MUNGER, T. T. Sample acres prove point; 17,523 board feet in 11 years. Timberman 47(5): 48, 50. Mar. 1946. 99.81 T484

20550 O'BYRNE, W. Our timber crop: how to make it pay better. Prog. Farmer, Car.-Va.Ed. 61(3): 17. Mar. 1946. 6 P945

20551 SCHÖEN, P. W. A B C's of forestry. Prog. Farmer, Ca.-Ala.-Fla. Ed. 61(3): 79. Mar. 1946. 6 P456

20552 SHIRLEY, H. L. The challenge in north-east forests. J. Forestry 44: 6-8. Jan. 1946. 99.8 F768

20553 TAYLOR, R. F. A comparison of silvicultural marking and cutting practice rules in a northern hardwood stand. J. Forestry 44: 41-46. Jan. 1946. 99.8 F768

20554 URANGA LOYA, A. Cultivo y explotación de montes. Indus. Forest. 1(1): 19-20. Jan. 1945. 99.8 In23

20555 URQUHART, B. Aesthetic forestry. Country Life [London] 99: 388-390. Mar. 1, 1946. 80 C83

20556 WRIGHT, H. L. Working plans for estate woodlands in Great Britain. Q. J. Forestry 40: 23-27. Jan. 1946. 99.8 Q2

20557 ZON, P. VAN. Aanduiding van het jaar van eenleg der opstanden op de bedrijfskaarten. Nederland. Boschbouw. Tijdschr. 17: 297. Nov. 1945. 99.8 N28

Indicating the year of planting of stands on working plan maps.

#### Administration

20558 FLORY, C. H. South Carolina State Commission of Forestry, Report 1944/1945, 95 p. Columbia, 1945. 99.9 So83

#### Farm Woodlands

20559 EDLIN, H. L. Small scale forestry in Great Britain. Farmer & Stock-Breeder 60: 127. Jan. 15, 1946. 10 F228

20560 FLOYD, J. W. Windbreak demonstrations bring results. Agr. Leaders' Digest 27(2): 22. Feb. 1946. 275.28 Am3

20561 GUIMONT, A. Que ferions-nous sans bois? Forêt Québécoise 11: 19. Jan. 1946. 99.8 F79

Farm woodlands.

20562 JAMES, M. C. Timber down on the farm. Miss. Val. Lumberman 77(8): 9. Feb. 22, 1946. 99.81 M69

20563 PRESTON, J. F. Lessons from the farm forestry projects. J. Forestry 44: 9-12. Jan. 1946. 99.8 F768

20564 SVENDBY, C. Trees grow on the "treeless plains." Farm and Ranch 65(3): 27-28. Mar. 1946. 6 T31

Windbreaks in New Mexico.

#### Mensuration

20565 BELYEA, H. C. Cheating woodlot owners with the Doyle log rule. Rural New-Yorker 105: 235. Mar. 16, 1946. 6 R88

20566 CEDILLO, V. H. Apuntes sobre la determinación de las existencias normales en montes mezclados de especies de clima frío o templado. Indus. Forest. 1(1): 26-30. Jan. 1945. 99.8 In23

#### FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Pathology in the Plant Science section; articles on forest insects in the Entomology section.

#### Fire

20567 CARTWRIGHT, G. D. Weather forecasts vital in fire fighting; fire-weather office serves at fire scene; determines conditions in concentrated control. Timber Topics 8(5): 2, 11, 12. Jan./Feb. 1946. 99.81 T486

20568 FRASER, F. A. Forest fire prevention. Brit. Columbia Lumberman 30(2): 54, 56. Feb. 1946. 99.81 B77

20569 THE great Puhi Puhi fire of 1887. By "Tanekaha." Forest and Bird, No. 78, p. 3. Nov. 1945. 413.9 N42

20570 LAWRENCE, A. O. Forest fire prevention. Austral. Timber J. 11: 614-617, 619. Jan. 1946. (Madison Sub-Branch Libr.)

20571 MCQUEEN, I. Forest fire weather. Brit. Columbia Lumberman 30(2): 52, 58. Feb. 1946. 99.81 B77

20572 NUUTTILA, E. You can help prevent fires. Ill. Dept. Conserv. Forestry News 9(1): 1, 4. Jan. 1946. 99.9 IL6

#### SILVICULTURE

See Items 19595-19611

#### LUMBERING

20573 BARNAYS, E. L. Lumber's post-war problems demand new public relations policies. South. Lumberman 172: 44, 46, 48, 50. Feb. 15, 1946. 99.81 So82

20574 BEATTY, W. R. Address delivered before Canadian Lumbermen's Association. Timber of Canada 6(7): 48-49, 52. Mar. 1946. 99.81 T487

20575 BÉRIAL, Y. Le congrès, à bâtons rompus. Timber of Canada 6(7): 73-76. Mar. 1946. 99.81 T487

Presidential address at Canadian Lumbermen's Association.

20576 BLAIR, N. F. Address concerning Canadian spruce. Timber of Canada 6(7): 53. Mar. 1946. 99.81 T487

20577 BRANCH, J. D. Address on Canadian lumber problems. Timber of Canada 6(7): 58-59. Mar. 1946. 99.81 T487

20578 GILL, H. E. Address on Canadian hardwood problems. Timber of Canada 6(7): 54, 71. Mar. 1946. 99.81 T487

20579 GILLIES, D. A. Address. Timber of Canada 6(7): 36-42. Mar. 1946. 99.81 T487

Address of retiring president, Canadian Lumbermen's Association.

20580 HARDEE, R. Sees ample timber. Times-Picayune New Orleans States 110(45, Mag. Sect.): 7. Mar. 10, 1946. 286.8 T483

Lumber supply.

20581 MACLACHLAN, J. K. Address on Canadian lumbering problems. Timber of Canada 6(7): 55. Mar. 1946. 99.81 T487

#### Equipment

20582 HUMBY, H. T. Logging tires today and what we may expect tomorrow. Timber of Canada 6(6): 98, 101-102. Feb. 1946. 99.81 T487

20583 SALTYSKOV, M. Mekhanizatsiya lesnoy promyshlennosti [Mechanization of the lumber industry]. Planovos Khoz., No. 5, p. 25-33. Moskva, 1945. 280.8 P69

20584 STERN, J. B. Sawing cord wood with a motor. Elect. on the Farm 19(1): 7-8, 29. Jan. 1946. 385.8 EL27



Logging

20585 PHILLIPS, J. E. Stress safety in cutting trees, firewood. Agr. Leaders' Digest 27(2): 24-25. Feb. 1946. 275.28 Am3

20586 WEATHERBY, H. Selective cutting in British Columbia. Pulp and Paper Mag. Canada 47(2): 62-63. Feb. 1946. 302.8 P96

Lumber Industry

20587 GLEN, J. A. The Canadian lumber industry in war and peace. Timber of Canada 6(7): 45-47. Mar. 1946. 99.81 T487

20588 SIMPSON, H. V. Is lumber the bottleneck? Lumber industry blamed unjustly; material and labor shortages hold up construction. Wood Construct. 32(5): 5, 32. Mar. 1, 1946. (Madison Sub-Branch Lib.)

Sawmills

20589 OTTER, J. R. Circular sawmills - their equipment and operation. Chapters IV-V. South. Lumberman 172(2158): 62, 64, 66, 68, 70; (2159): 57-59. Feb. 15, Mar. 15, 1946. 99.81 So82

20590 POGUE, R. Calton's Mill saves day. Mo. Conserv. 7(2): 14. Feb. 1946. 279.8 M69  
Importance of Calton's sawmill in Barry County, Mo.

WOOD TECHNOLOGY

20591 RAO, D. V., and NAMBIYAR, V. P. N. Light-scattering in aqueous timber wood extracts. Cur. Sci. 15: 19-20. Jan. 1946. Ref. 475 Sci23  
For wood identification.

Chemical and Physical Properties

20592 GREEN, B. Walnut. Furniture Mfr. 61(2): 12, 42. Feb. 1946. 300.8 F82

20593 ROCHESTER, G. H. The mechanical properties of wood. II. Timber of Canada 6(6): 55-59, 63-64, 68-70. Feb. 1946. 99.81 T487

20594 WEBBER, I. E. The wood of Ambelania laxa Muell. Arg. Lilloa 11: 49-53. Sept. 1945. Ref. 450 I62

Preservative Treatment

20595 SCHMITZ, H., VON SCHRENK, H., and KAMMERER, A. L. Studies of the biological environment in treated wood in relation to service life, III. Changes in the character and amount of 60/40 creosote-coal tar solution and coal tar and the decay resistance of the wood of red oak cross-ties after five years service. Amer. Wood Preservers' Assoc. Proc. (1945) 41: 153-179. 300.9 Am3  
Discussion, p. 179-188.

Seasoning and Conditioning

20596 LECLAIR, W. J. The seasoning of lumber - Part II. Timber of Canada 6(6): 91-92, 97. Feb. 1946. 99.81 T487

20597 MELILLO, A. C. La acción del estado y el cooperativismo en la industria del secado la madera. Maderil 18(2): 9-10. Aug. 1945. 99.82 M26  
Argentina.

20598 NEW PROCESS seasons railway ties overnight; part II. Railway Age 120: 538-541. Mar. 16, 1946. 288.8 R136

20599 RISSER, R. W. Today's dry kiln problems and progress. Cosgrove's Mag. 17(6): 66, 68. Mar. 1946. (Madison Sub-Branch Lib.)

20600 SEKHAR, A. C. Air seasoning of timber. Timber Trades J. 176: 549-550. Feb. 9, 1946. 99.81 T48

20601 TIEMANN, H. D. Kiln-drying schedules. South. Lumberman 172(2158): 57-58; (2159): 68-70, 72. Feb. 15, Mar. 15, 1946. 99.81 So82  
Title varies slightly.

FOREST PRODUCTS

20602 BARKAS, W. W. Swelling stresses in gels and the calculation of the elastic constants of gels from their hygroscopic properties. Gt. Brit. Dept. Sci. and Indus. Res. Forest Prod. Res. Spec. Rpt. 6, 62 p. London, 1945. 99.9 G7963

20603 BERRY, D. L. Historic spans attest longevity of timber. Brit. Columbia Lumberman 30(2): 69. Feb. 1946. 99.81 B77

20604 BRAUNS, F. E., and LANE, W. H. Thio-phenol spruce lignin. Paper Trade J. 122(TAPPI Sect.): 38-40. Feb. 21, 1946. Ref. 302.8 P196

20605 BRAUNS, F. E. Utilization of lignin. TAPPI B., No. 64, p. 1-3. Feb. 27, 1946. (Madison Sub-Branch Lib.)

20606 MASTERBROOK, L. F. The conquest of wood. Timber of Canada 6(6): 44-45, 50. Feb. 1946. 99.81 T487

20607 CALICIA BARRETO, F. La utilización de los desperdicios forestales como fuente de ingresos adicionales. Indus. Forest. 1(1): 31-32. Jan. 1945. 99.8 In23

20608 GOOS, A. W., and REITER, A. A. New products from wood carbonization. Indus. and Engin. Chem., Indus. Ed. 38(2): 132-135. Feb. 15, 1946. 381 J825

20609 HILL, L. Address on forest products industries. Timber of Canada 6(7): 59, 71. Mar. 1946. 99.81 T487

20610 FAUFFMAN, E. House of wood magic; the war achievements of the U. S. Forest Products Laboratory. Amer. Forests 52: 74-75, 90. Feb. 1946. 99.8 F762

20611 LOCKE, E. G., SAEMAN, J. F., and DICKERMAN, G. K. The production of wood sugar in Germany and its conversion to yeast and alcohol. U. S. Dept. Com. Off. Pub. Bd. Rpt. 7736, 117 p., processed. Washington, 1945. 157.8 R29

20612 PATCEK, P. L. Report on: woodsaccharification by the Scholler process. Dessauer Zucker Raffinerie. U. S. Dept. Com. Off. Pub. Ed. Rpt. 4313, 3 p., processed. Washington, 1945. 157.8 R29

20613 POWELL, S. H. Forest provides our transport. Austral. Timber J. 11: 602-603, 625. Jan. 1946. (Madison Sub-Branch Lib.)  
Railway ties.

20614 SANCHEZ PAULIN, E. Algunos aspectos que guarda la industria extractiva de la cera de candelilla. Indus. Forest. 1(3): 30-32. July 1945. 99.8 In23

20615 TAPIA T., R. La Comisión Central Ejecutiva para el abastecimiento de durmientes, los ferrocarriles y los productores de maderas. Indus. Forest. 1(2): 25-26. Mar. 1945. 99.8 In23

20616 WARD, J. D. U. Bark and sawdust. Farmer & Stock-Breeder 60: 90. Jan. 8, 1946. 10 F228

20617 WHITE, E. V. The constitution of mesquite gum. I. The methanolysis products of methylated mesquite gum. Amer. Chem. Soc. J. 68: 272-275. Feb. 1946. 381 Am33J

20618 CHANEY, S. E. Wood, the tank material that has proved itself; a discussion of the advantages of wood for fermenting cellar equipment. Amer. Brewer 79(2): 38, 61. Feb. 1946. 390.8 Am3

20619 COOKE, S. Packing salmon in wood tierces. Barrel & Box and Packages 51(2): 9. Feb. 1946. 99.82 B27

20620 WAGNER, J. B. Importance of the tight barrel - woodwant - an economic must in tight stock manufacture that may mean the difference between profit and loss. Barrel & Box and Packages 51(2): 16. Feb. 1946. 99.82 B27

Building Construction

20621 DOBNEY, E. Timber prefabs housed our pioneers. Austral. Timber J. 11: 606, 639-640. Jan. 1946. (Madison Sub-Branch Lib.)

Charcoal

- 20622 CORRAL, J. I. DEL. Industria carbonera cubana. Cuba. Min. de Agr. Almanaque (1946) 2: 245-260. 8 C896
- 20623 SNOW, C. F. F. Charcoal burning - an aid to modern industry. Field 187: 183-184. Feb. 16, 1946. 10 P45

Cork

- 20624 CLAXTON, E. Survey of the German cork composition and insulation industry. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2580, 104 p., processed. Washington, 1945. 157.8 R29
- 20625 VERA, V. La industria del corcho. Spain. Min. de Agr. Secc. de Prensa y Pub. Hoja Divulg. de Enseñanza Rural 2(15): 10-11. June 1945. 15 Spl2

Furniture

- 20626 BOOTH, F. L. Manufacturing laminated bedroom furniture. Veneers and Plywood 40(2): 8, 10, 12. Feb. 1946. 99.82 V55

Naval Stores

- 20627 BROGDEN, A. L. Future prospects in the gum naval stores industry. Naval Stores Rev. 55: 6, 8. Mar. 9, 1946. 99.51 N22
- 20628 OSTROM, C. E. Gum yields from chemical stimulation are affected by spraying technique [of naval stores pines]. AT-FA Journal 8(5): 4, 14. Feb. 1946. 309.8 Am3
- 20629 SNOW, A. G., JR. Acid treating advanced streaks of questionable value. AT-FA Journal 8(5): 3, 12. Feb. 1946. 309.8 Am3
- Increased gum yields through treatment. Also in Naval Stores Rev. 55(48): 4, 6. Mar. 2, 1946. 99.81 N22
- 20630 ZARZOSA L., O. Método adecuado para la explotación de resina de pino, por el sistema americano, en el Estado de Durango. Indus. Forest. 1(1): 14-16. Jan. 1945. 99.8 In23

Plastics

- 20631 RICHARDSON, R., and KLINE, G. M. Manufacture of compreg in Germany. Mod. Plastics 23(6): 155-159. Mar. 1946. 309.8 P69
- Resin-bonded, compressed laminated wood.

Pulp and Paper

- 20632 ANDERSON, N. M. New developments of the pulping industry. Paper Mill News 69(7): 24, 26. Feb. 16, 1946. 302.8 P195
- 20633 BOLLERT, R. High frequency heating for pulp and paper. Amer. Box Maker 35(2): 20, 22. Feb. 1946. 99.82 Am3
- Also in Paper Mill News 69(10): 10, 12. Mar. 9, 1946. 302.8 P195
- 20634 DIXON, W. J. Kraft paper production rose 50,000 tons. Paper Trade J. 122(9): 84. Feb. 28, 1946. 302.8 P196
- 20635 DOBROW, M. C. Paper industry heading for record year. Paper Trade J. 122(9): 43-45, 57. Feb. 28, 1946. 302.8 P196
- 20636 FOOTE, W. J. Simple method for predicting the brightness of mixed pulp furnishes. Paper Trade J. 122(TAPPI Sect.): 35-37. Feb. 21, 1946. Ref. 302.8 P196
- 20637 HARPER, E. A., and EDMONSON, N. V. Evaluation of direct vs. indirect cooking of sulphate pulp. Paper Mill News 69(7): 54, 66. Feb. 16, 1946. 302.8 P195
- 20638 LAWRENCE, W. P. Developments in pulping processes. Paper Mill News 69(7): 36. Feb. 16, 1946. 302.8 P195
- 20639 LINDENBERG, R. A. Market pulp supply serious problem for 1946. Paper Mill News 69(8): 29-30. Feb. 23, 1946. 302.8 P195

- 20640 LINDENBERG, R. A. Swedish mills not bluffing on pulp shipments. Paper Mill News 69(7): 81-82. Feb. 16, 1946. 302.8 P195

- 20641 LOCKE, E. G. Production of yeast from sulphite waste liquor. Paper Mill News 69(11): 12, 14, 16. Mar. 16, 1946. 302.8 P165

- 20642 MCCARTHY, J. L. The nature of sulfite waste liquor. Paper Mill News 69(7): 48, 50, 52. Feb. 16, 1946. 302.8 P195

- 20643 MACNAUGHTON, W. G. Developments in newspaper manufacture. Paper Mill News 69(9): 48, 50. Mar. 2, 1946. 302.8 P195

- 20644 REICHERT, J. S., MILLS, R. T., and CAMPBELL, D. J. Peroxide bleaching of mechanical pulps. I. Influence of bacteria and enzymes. Paper Mill News 69(7): 56, 58, 60. Feb. 16, 1946. Ref. 302.8 P195

- 20645 SCRIBNER, B. W. Developments in the physical testing of paper during 1944-1945. Paper Trade J. 122(9): 130, 132. Feb. 28, 1946. Ref. 302.8 P196

- 20646 SCRIBNER, B. W. Paper testing committee report - 1945. Paper Trade J. 122(9): 132, 134. Feb. 28, 1946. 302.8 P196

- 20647 SIBLEY, C. L. Revolutionary changes on way in Canadian pulp and paper industry. Paper Trade J. 122(9): 60, 64, 66, 68, 72, 74. Feb. 28, 1946. 302.8 P196

- 20648 SWANSON, O. F. Heavy wood pulp demand exceeds notably high 1945 output. Paper Trade J. 122(9): 76, 78, 80, 82. Feb. 28, 1946. 302.8 P196

- 20649 THOMAS, F. H. L. The paper and board making industry in Great Britain and Northern Ireland. Paper Mill News 69(11): 10-11, 16. Mar. 16, 1946. 302.8 P165

- 20650 VINCENT, R. The importance of hemicellulose in wood pulp. World's Paper Trade Rev. 124: TS53-TS58. Dec. 7, 1945. 302.8 W89

- Also in Paper Mill News 69(7): 42-44, 46. Feb. 16, 1946. Ref. 302.8 P195

- 20651 VINCENT, R. The sulphite process - its position in chemical and paper fields today. Paper Trade J. 122(9): 136, 138, 140, 142. Feb. 28, 1946. 302.8 P196

- 20652 WHITING, G. Paperboard industry sets up five years of record production. Paper Trade J. 122(9): 46-48, 50. Feb. 28, 1946. 302.8 P196

- 20653 WINGET, R. L. The present status of the pulp, paper, and paperboard industry's stream improvement program. Paper Trade J. 122(9): 124, 126, 128. Feb. 28, 1946. 302.8 P196

Veneers and Plywood

- 20654 CARLE, A. B. Veneered cedar chest manufacture. Veneers and Plywood 40(2): 24, 26. Feb. 1946. 99.82 V55

- 20655 JOHNSON, H. Mammoth airplane a plywood triumph. Veneers and Plywood 40(2): 16, 18. Feb. 1946. 99.82 V55

Wood as Fuel

- 20656 ARNST, A. Fuel specialist. Amer. Forests 52: 76-77. Feb. 1946. 99.8 F762
- Fuel wood production.

MISCELLANEOUS

- 20657 BUTLER, O. The American Forestry Association. J. Forestry 44: 17-18. Jan. 1946. 99.8 F768

- 20658 DESY, T. O dia da árvore. Caça e Pesca 5(55): 63, 66. Dec. 1945. 410 C11

- 20659 GUIMONT, A. M'claircissez pas trop, il pourrait vous en cuire! Forêt Québécoise 11: 92. Feb. 1946. 99.8 F79
- Forestry terminology.



20660 PECHEN'KIN, V. The Urals Institute. Timber Trades J. 176: 631. Feb. 16, 1946. 99.81 T48

### Education

20661 FORS, A. J. Clubs forestales 5-C; organización y actividades. Cuba. Min. de Agr. Almanaque (1946) 2: 90-91. 8 C896

20662 SMITH, J. La forêt et les anciens combattants. Forêt Québécoise 11: 88-89. Feb. 1946. 99.8 F79

20663 WILSON, H. M. Education for forest profits. Forest Farmer 5(5): 6-7. Feb. 1946. 99.8 F7692

### Forest Influences

20664 BISHOP, L. C. Changes in forest and brush cover and its effect on stream flow. N. Mex. Stockman 11(3): 70-71. Mar. 1946. 49 M462

## ANIMAL INDUSTRY

### BREEDS AND BREEDING

20665 H., A. C. G. Una conferencia del Profesor F., Mac-Kenzie en la Sociedad Nacional de Agricultura; finalidades y condiciones de la inseminación artificial. Campesino [Santiago, 77: 74]. Dec. 1945. 9.3 S012

20666 MACHADO, A. DE O. Melhoramento do gado, II. Rev. Rural Bras. 25(304): 28-29. Dec. 1945. 9.2 B733

#### Breeding improvement.

20667 ODRIOZOLA, M. Sistemas de selección. Agricultura [Madrid] 14: 616-619. Dec. 1945. 15 Ag84

#### Livestock.

20668 ONATE F., L. La inseminación artificial como resorte para un rápido mejoramiento de una masa ganadera. Unión Agr. del Sur 3(20): 49-50. Nov. 1945. 9.3 Un3

20669 VAN WATERS, N. Value of sires that work improvement. Stockman 6(3): 44, 46-47, 50, 52. Mar. 1946. 49 S083

### FEEDS AND FEEDING

20670 ALIKAEV, V. A. Novye dannye po gigenie kormleniya zhivotnykh [New data on the sanitation of animal nutrition]. Veterinariya 22(8/9): 41-43. Aug./Sept. 1945. 41.8 V6426

Research work carried out at various scientific institutions in the U. S. S. R.

20671 AXELSSON, J. Stärkelsevärdets vetenskapliga underlag (The scientific basis of the Kellner's starch value). K. Lantbruksakad. Tidskr. 84: 259-298. 1945. Ref. 104 Sw3

#### English summary.

20672 BETHKE, R. M. Intestinal synthesis of vitamins. Feedstuffs 18(3): 40-41. Jan. 19, 1946. 286.81 F322

20673 CORBAT, A. F. Ensilaje o conservación de forrajes bajo tierra. SanCor 3(40): 38-39. Oct. 1945. 280.28 R322

20674 CUNHA, T. J. Cull peas valuable stock feed. Northwest Farm News 29(8): 6. Feb. 21, 1946. 275.293 N61

20675 DANIEL, T. W., and others. Chemical composition and digestibility of flat pea [Lathyrus sylvestris wagneri] forage in three stages of maturity. J. Anim. Sci. 5(1): 80-86. Feb. 1946. Ref. 49 J82

F. B. Wolberg, V. L. Miller, J. H. Alswager, M. E. Ensminger, and A. A. Spielman, joint authors.

20676 DAWHARN, M. C. The vitamin C content of dried lucerne (Medicago sativa): chemical and biological assays. Austral. J. Expt. Biol. and Med. Sci. 23: 280-293. Dec. 1945. Ref. 442.8 Au7

20677 DETILLES. Note sur l'utilisation de l'alfa pour la nourriture des animaux. Terre Maroc. 15 (186): 13-17. July 1945. 24 T44

20678 ELLIS, G. H. Cobalt deficiency in small animals. Feedstuffs 18(3): 35. Jan. 19, 1946. 286.81 F322

20679 GUTKNECHT, H. L'ensilage. J. d'Agr. Suisse 67(42): 4; (43): 2. (Cont.) Oct. 20, 27, 1945. 17 J82

20680 HARLE, P. La forêt au secours de l'élevage marocain. Terre Maroc. 15(186): 7-12. May 1945. 24 T44

#### Forest pasturing.

20681 HARTNELL, M. Ensilage; Northland farmer blunts the edge of the drought. New Zeal. Farmer Weekly 66(25): 10-12. Feb. 7, 1946. 23 N484

20682 HEWITT, A. C. T. Foods and feeding. Victoria. Dept. Agr. J. 44: 45-52, 78-83. (To be cont.) Feb. 1946. 23 V66J

20683 HUFFMAN, C. F. Nutritional deficiencies; farm animals on natural feeds sometimes lack enough feed for adequate calories. Feedstuffs 18(5): 18, 20-22. Feb. 2, 1946. 286.81 F322

20684 HUNTER, J. E. Role of alfalfa meal in feeding picture given very high rating. Feedstuffs 18(7): 14-15. Feb. 16, 1946. 286.81 F322

20685 KEENEY, H. A. Cobalt deficiency. Flour & Feed 46(10): 14. Mar. 1946. 298.8 F66

#### In livestock.

20686 KENNEDY, H. R. C. Balanced feeding. Farmer & Stock-Breeder 50: 136. Jan. 15, 1946. 10 F228

20687 MCINTYRE, E. R. Pros and cons on sweet sudan grass. Successful Farming 44(3): 66. Mar. 1946. 6 S012

#### As feed.

20688 MACKENZIE, T. P. Stockmen using ranges may suffer from change in British, Columbia, forest policy. Country Life [Vernon, 30(1, i. e. 3): 24. Mar. 1946. 7 C832

20689 MALTAS, K. J. The future of the protein supply; soybean meal may be one answer to the increasing demand. Feedstuffs 18(5): 24, 26, 28-29, 32. Feb. 2, 1946. 286.81 F322

20690 MASSAUX, R. Alimentación racional o equilibrada de los animales domésticos; V. Pastoreos de centeno, trigo, cebada y avena. Buenos Aires y La Pampa, No. 83, p. 3-4. Dec. 1945. 9 B868

20691 MELO, M. E. El maíz es la base fundamental de la industria animal. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 15-17. Dec. 1945. 8 R3291

20692 PURDY, T. L. The case for coarse mashes. Milling and Feed 27(2): 5-6. Feb. 1946. 298.8 C162

20693 RESEARCH and the farmer. X. Feeding the young animal. North. Ireland. Min. Agr. Monthly Rpt. 20: 290-292. Feb. 1946. 256.13 Ag82M

20694 SMITH, A. E. World's largest live stock feeders get good gains using less protein. Natl. Live Stock Prod. 24(6): 26. Mar. 1946. 280.38 N21

20695 SMITH, J. A. Homemade protein for feed. Pa. Farmer 134: 184-185. Mar. 9, 1946. 6 F383

20696 TULLY, W. C. Ranch animals may be starving. Farm and Ranch 65(3): 15-16. Mar. 1946. 5 T31

20697 VINE, R. Is hill country run-off a solution to Hauraki Plains winter problems? New Zeal. Farmer Weekly 66(23): 8. Jan. 10, 1946. 23 N484

#### Grazing problems.

20698 WEBER, A. D. Home grown protein supplements. Kans. Stockman 30(5): 13, 29. Mar. 1946. 49 K134

20699 WILKINSON, J. F. It's never too good  
[hay]. Hoard's Dairyman 91: 147. Feb. 25, 1946.  
44.8 H65

20700 ZOTTNER, G. Les troubles de la nutrition;  
causes et conséquences pour le troupeau marocain.  
Terre Maroc. 15(186): 12-15. May 1945. 24 T44

## VETERINARY MEDICINE

20701 ABELOOS, M. Plans de la croissance  
foetale chez le veau et le mouton. Paris. Acad. des  
Sci. Compt. Rend. 222: 342-343. Feb. 4, 1946.  
505 P21

20702 ALIKAEV, V. Osennye veterinarno-sanitar-  
nye raboty na fermakh [Sanitary and veterinary work  
on the livestock farms in the autumn]. Kolkhoz.  
Proizvod. 5(8/9): 25. Aug./Sept. 1945. 281.8 K83

20703 ANDRIEV, V. V. Veterinarnaya sluzhba  
Moskvy v gody Otechestvennoy voiny [Veterinary serv-  
ice in Moscow during the years of the war]. Veteri-  
nariia 22(8/9): 9-11. Aug./Sept. 1945. 41.8 V6426

20704 BAKER, E. T. Why rush into practice?  
Vet. Med. 41: 104-105. Mar. 1946. 41.8 M69

20705 BASSLER, C. E. The effects of lightning  
on livestock. Iowa Vet. 17(2): 20-21, 34. Mar./Apr.  
1946. 41.8 I09

20706 BASTERRACHA, L. DE. Lucha contra las  
enfermedades infecto-contagiosas. Agr. Venezol.  
17(112): 28, 42. Dec. 1945/Jan. 1946. 9.95 Ag8

20707 BEARDMORE, H. F. Laboratory service.  
Iowa Vet. 17(1): 7-11, 28. Jan./Feb. 1946.  
41.8 I09

20708 DENMARK. VETERINAERDIREKTORATET. Aars-  
beretning fra veterinardirektoratet for aaret 1944,  
155 p. København, 1945. 41.9 D413

Title, captions and résumé also in French.

Annual report of the Veterinary Directorate.

20709 DETWEILER, D. K. Sex hormones in veteri-  
nary practice. Part two. Allied Vet. 17(1): 13-15.  
Jan./Feb. 1946. 41.8 AL5

20710 FLÜCKIGER, G. Eidgenössische tierseuchen-  
gesetzgebung im wandel der letzten 25 jahre.  
Schweiz. Arch. f. Tierheilk. 88(1): 1-25. Jan. 1946.  
41.8 Sch9

20711 GILL, D. A. Some sources of discontent  
in Australian veterinary services. Austral. Vet. J.  
21: 138-142. Oct./Dec. 1945. 41.8 Au72

20712 GRUEBLER K., R. Recomendaciones para  
prevenir la meteorización. Unión Agr. del Sur 3  
(20): 56-57. Nov. 1945. 9.3 Un3

20713 HARBOUR, H. E. Abortion in cattle and  
sheep. Highland and Agr. Soc. Scot. Trans. (ser. 5)  
(1945) 57: 16-40. 10 H536

Abortion [in sheep] associated with tick infesta-  
tion, p. 37-38.

20714 HAUBRICH, L. R., and HAUBRICH, W. R. Re-  
port on the use of a new acid-ester [Cerbinol] prepa-  
ration in certain dermatological conditions in ani-  
mals. Amer. Vet. Med. Assoc. J. 108: 169-171. Mar.  
1946. 41.8 Am3

20715 HUDDLESON, I. F. The mucoid phases of the  
genus Brucella. Amer. J. Vet. Res. 7(22): 5-10.  
Jan. 1946. 41.8 Am3A

20716 KINGMAN, H. E., JR. What position is the  
veterinarian playing on the livestock and meat indus-  
try team. Iowa Vet. 17(1): 12-14. Jan./Feb. 1946.  
41.8 I09

20717 KOROPOV, V. M. Veterinarnye spetsialisty  
na sluzhbe sovetaskoi rodine [Veterinary specialists  
at the service of the Soviet government]. Veteri-  
nariia 22(8/9): 5-9. Aug./Sept. 1945. 41.8 V6426

20718 LE SOUEP, D. H. Mineral poisons affecting  
stock. New Zeal. J. Agr. 72(1): 1-2. Jan. 15, 1946.  
23 N485

20719 MACHADO, O. Os mamíferos domésticos e sil-  
vestres como reservatórios de doenças humanas. Biol.  
Med. 3: 65-72. June 1945. Ref. 448.8 B52

20720 MARRIAN, G. F. The metabolism of the  
oestrogenic hormone. Endeavour 5: 35-39. Jan.  
1946. Ref. 472 En2

Concerned with animals.

20721 MAYER, K. Lentin in veterinary medicine.  
North Amer. Vet. 27: 151-158. (Concl.) Mar. 1946.  
Ref. 41.8 N812

20722 MICHIGAN STATE COLLEGE. SCHOOL OF VETERI-  
NARY MEDICINE. Report, 1945, 65 p. East Lansing.  
41.9 M585

20723 NICOL, G. Anthrax. Victoria. Dept. Agr.  
J. 44: 12. Jan. 1946. 23 V66J

20724 NORTHERN RHODESIA. VETERINARY DEPT.  
Annual report, 1944, 15 p. Lusaka, 1945. 41.9 N816  
Review of the Livestock Industry, p. 2-10, deals  
chiefly with animal husbandry and disease control.

20725 PASFIELD, J. The French veterinary pro-  
fession under German occupation; the price of resist-  
ance. Vet. Rec. 58: 50-51. Feb. 2, 1946.  
41.8 V641

20726 FINEON M., E. El gallinazo, elemento  
propagador de enfermedades. Rev. de Med. Vet. [Bo-  
gotá] 14: 100-102. July/Dec. 1945. 41.8 R3214

20727 RITCHIE, J. N. Notes following a visit to  
U. S. A. and Canada, October, 1943--April, 1944.  
Vet. Rec. 58: 45-50. (Concl.) Feb. 2, 1946.  
41.8 V641

Diseases of livestock; meat inspection.

20728 ROSENFELD, I., and BEATH, O. A. The in-  
fluence of protein diets on selenium poisoning. I-II.  
Amer. J. Vet. Res. 7(22): 52-61. Jan. 1946. Ref.  
41.8 Am3A

I. [High, medium, and low protein diets]; II. The  
chemical changes in the tissues following selenium  
administration.

20729 SEGURA, R. A. Sugerencias pro defensa  
ganadera. Rev. Canad. [San Salvador] 5(71/73): 13-  
16. Oct./Dec. 1945. 8 R3292  
Concerning disease control.

20730 SHAHAN, M. S. Effect of temperature,  
phenol, and crystal violet on vesicular stomatitis  
virus. Amer. J. Vet. Res. 7(22): 27-31. Jan. 1946.  
41.8 Am3A

20731 STEELE, J. H. Veterinarians in public  
health and role of the private practitioner. Iowa  
Vet. 17(2): 12-15. Mar./Apr. 1946. 41.8 I09

20732 STEYN, D. Eye diseases in domestic ani-  
mals. Union So. Africa. Dept. Agr. and Forestry.  
Agr. Prod. Publicity Ser. 179, p. 1-2. Pretoria,  
1945. 24 So82Pa

20733 STEYN, D. G. Diagnosing cases of poison-  
ing. Farming in So. Africa 21: 29-30. Jan. 1946.  
24 So842

20734 VELASQUEZ Q., J. La medicina veterinaria  
y la lucha antituberculosa. Rev. de Med. Vet. [Bo-  
gotá] 14: 97-99. July/Dec. 1945. 41.8 R3214

20735 WELCH, G. N. The sulfonamides in veteri-  
nary medicine. Allied Vet. 17(1): 7-9. Jan./Feb.  
1946. 41.8 AL5

20736 WILLIAMS, G. P. "Water founders in live-  
stock." Pa. Farmer 134: 189. Mar. 9, 1946.  
6 P383

20737 WINTON, D. "Standstill"; regulations  
enforced to combat the spread of foot-and-mouth  
disease may seem "irritating or merely significant"--  
but they are essential for the protection of Britain's  
livestock. Farmers Weekly (London, 24(1): 26, 29.  
Jan. 4, 1946. 10 F2226

20738 WYSSMANN, E. Über zuwachs und abgang bei  
den schweizerischen tierärzten in den letzten 50  
jahren (1896-1945). Schweiz. Arch. f. Tierheilk.  
88(1): 47-51. Jan. 1946. 41.8 Sch9



20738 ZHUKOV, N. A. Otrabotannyi avtol v veterinarnoi praktike [Waste "avtol" in veterinary practice]. Veterinariia 22(8/9): 36. Aug./Sept. 1945. 41.8 V6426

## MISCELLANEOUS

20740 AGENDA des éleveurs, 39, 1946, 160 p. Lyon, 1945? 49 Ag3

A compendium of information useful to the livestock raiser.

20741 BUSH, J. V. Montgomery County, Ala., improves its stock. Prog. Farmer, Tex. Ed. 61(2): 20. Feb. 1946. 6 F311

20742 CUMBER, W. J. 70 % more live stock in Great Britain? Farmer & Stock-Breeder 60: 257. Feb. 5, 1946. 10 F228

20743 HEERADA LLIBRE, M. El matadero. Cuba. Min. de Agr. Almanaque (1946) 2: 41-46. 8 C896

20744 LOS ANGELES COUNTY, CALIFORNIA. LIVE STOCK DEPT. Annual report, 1944/45, 42 p., processed. n. p., 1945? 49.9 L89

Contains sections on the dairy industry, stock inspection, and swine and poultry disease control.

20745 R., H. La voz de los ganaderos: Don Miguel Ron. Agr. Venezol. 10(112): 32-34. Dec. 1945/Jan. 1946. 9.95 Ag8

Livestock ranch of Don Miguel Ron.

20746 SHOLNIK, Y. Return of the herds in the U. S. S. R. Coastal Cattleman 12(1): 14. Mar. 1946. 43.8 C63

## CATTLE

Breeds and Breeding

20747 AKOPIAN, K. Posledstviia tesnogo inbridinga [Results of close inbreeding]. Sovkhoz. proizvod. 5(8/9): 44-46. Aug./Sept. 1945. 20 So85  
Concerning cattle.

20748 AMERICA adds up score on those test-tube heifers. By "Observer." New Zeal. Dairy Exporter 21(6): I-II. Feb. 1946. 44.8 M484

20749 ARBOUR, M. B. A member of the family. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 32. Mar. 1946. 6 So51

A Jersey heifer.

20750 BATTLES, O. V. Are Aberdeen-Angus as good on range and farm pastures as they are in the feed lot? Aberdeen-Angus J. 27(7): 68. Feb. 1946. 43.8 Ab3

20751 BESKHBLEBNOV, A. Preduprezhdenie ialovosti skota [Prevention of sterility in cattle]. Sovkhoz. proizvod. 5(8/9): 34-38. Aug./Sept. 1945. 20 So85

20752 BIEPPI. Renacimiento de las crías y el factor tropical en la esterilidad bovina. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 583-585. Aug./Sept. 1945. 8 G934

20753 BORGES, R. A rusticidade e o poder "raçador" dos reprodutores "limousino" e "charolez" recomendáveis para os rebanhos paraenses e nacionais. Rev. da Vet. 9(35): 29. Jan. 1946. 41.8 R3218

20754 BOYD, W. L. Pointers on shy-breeding cattle. Successful Farming 44(3): 126, 150, 152-153. Mar. 1946. 6 Sul2

20755 BRACE, C. C. Wisconsin fall classification. Holstein-Friesian World 43: 529, 532. Mar. 2, 1946. 43.8 H742

20756 BURLEY, R. H. What American colleges are doing to better the Blacks; [Aberdeen-Angus cattle at] Oklahoma A. & M. College. Aberdeen-Angus J. 27(7): 60, 138-139. Feb. 1946. 43.8 Ab3

20757 CORNER, H. How to buy a dairy bull. Farmer & Stock-Breeder 60: 78-79. Jan. 8, 1946. 10 F228

20758 EGOROV, I., and BABKIN, N. Plemennaiia ferma. Kolkhoz. Proizvod. 5(8/9): 23-24. Aug./Sept. 1945. 281.8 K83

Cattle breeding farm of the Molotov kolkhoz in the Kostroma Region.

20759 FISHER, R. E. Dairy cattle artificial insemination cooperatives. Dairyland News 16(2): 1, 2. Jan. 28, 1946. 280.28 W752

20760 FORBES, R. C. Ye Bonnie Blacks o' Scotland. Breeder's Gaz. 111(3): 4, 37. Mar. 1946. 49 B74  
Aberdeen-Angus cattle.

20761 GENETICS for the dairy-farmer; what science now knows about the principles of breeding in simple language. Live Stock B., Nov. 1, 1945, p. 24-25. (Cont.) 23 F222

20762 GOODWIN, J. P. Fittedrie Shorthorns set up world record price. Farmer & Stock-Breeder 60: 360, 362. Feb. 19, 1946. 10 F228

20763 HARDY, W. J. What dual-purpose means. Milking Shorthorn Ybk. (1945) 30: 12. 43.9 Am34

20764 HATCH, K. L. Memoirs of Wisconsin Holsteins. Holstein-Friesian World 43: 321-323, 378. Feb. 16, 1946. 43.8 H742

Chiefly from the historical standpoint.

20765 HERBERT, H. Why you are secure in your confidence in Polled Hereford values. Plantation Stockman 3(6): 14-15, 40, 42. Feb. 1946. 49 P69

20766 HIBBARD, D. Polled Hereford history; 'nature's freaks' lead beef breeds in 40 years. West. Livestock J. 24(17): 86. Feb. 15, 1946. 6 F2278

20767 INFORMATION about Holstein-Friesians. Better Farming Methods 18(3): 38, 37. Mar. 1946. 58.8 B46

Colored plates of breed types.

20768 JOHNSON, G. Xenia's Oxford Lilac. Jersey B. 65: 168, 198-200. Feb. 10, 1946. 43.8 J48

20769 JOHNSON, P. C. Blacks do the trick for 4-H'ers. Aberdeen-Angus J. 27(7): 62-63. Feb. 1946. 43.8 Ab3

Aberdeen-Angus cattle.

20770 KARPOV, A. Metizatsiia mestnogo skota [Crossbreeding of local cattle]. Sovkhoz. Proizvod. 5(8/9): 26-30. Aug./Sept. 1945. 20 So85

On the state farms of the Chkalov region.

20771 KNAPP, B., JR., and NORDSKOG, A. W. Heritability of growth and efficiency in beef cattle. J. Anim. Sci. 5(1): 62-70. Feb. 1946. Ref. 49 J82

20772 MATOSO, J. O Zebu nos Trópicos. Campo [Rio de Janeiro] 16(191): 17-22. Nov. 1945. Ref. 9.2 C15

20773 MAYO, H. Hereford breeders plan broad Indiana program. Hoosier Farmer 31(3): 25. Mar. 1946. 280.82 H76

20774 MELLERGAARD, L. 'Black-out the West'; that's Inland Empire Angus breeders' aim. West. Livestock J. 24(17): 98, 100. Feb. 15, 1946. 6 F2278

20775 MELLERGAARD, L. Top quality cattle aim of N. W. Aberdeen-Angus men; constant herd improvement, efficient beef production sought by breeders. Northwest Farm News 29(7): 3. Feb. 14, 1946. 275.293 N81

20776 NISBET, J. C. The use of records in a constructive breeding program. Ohio Holstein News 9(3): 18. Mar. 1946. 43.8 Oh3

20777 ODUM, H. W. Superior sires and milk production; North Carolina Jersey authority makes proposal for study. Jersey B. 65: 312. Mar. 10, 1946. 43.8 J48

20778 PRESCOTT, M. S. Canada's 63rd annual meeting [of the Holstein-Friesian Association of Canada]. Holstein-Friesian World 43: 325, 356-357. Feb. 16, 1946. 43.8 H742

Address of the president, C. L. Goodhue, p. 332, 369.

- 20779 RHOD, A. O., PHILLIPS, R. W., and DAWSON, W. M. Evaluation of species crosses of cattle by polyallel crossing; a study of Zebu and Africander x Aberdeen-Angus cattle under subtropical conditions. *J. Hered.* 36: 367-374. Dec. 1945. Ref. 44.8 Am3
- 20780 RICE, V. A. Unselected daughters--an explanation. *Hoard's Dairyman* 91: 198. Mar. 10, 1946. 44.8 H65
- 20781 SANDERS, A. H. History of Aberdeen-Angus. *Aberdeen-Angus J.* 27(7): 72B, 76B, 76D-78. (Cont.) Feb. 1946. 43.8 Ab3
- 20782 SCHAEFER, O. G. Jerseys, as an expert views them; classification judge gives lesson on the breed. *Jersey B.* 65: 314-315, 367-368. Mar. 10, 1946. 43.8 J48
- 20783 TOMSON, C. K. Shorthorn cattle set records. *Ariz. Stockman* 12(1): 6-7. Feb. 1946. 49 Ar4
- 20784 TORRES HERRERA, J. M. La raza bovina Moranda. *Agr. Trop.* 1(12): 20-22. Jan. 1946. 26 Ag8
- 20785 TRIMBERGER, G. W. Get more from artificial dairy cattle; breeding. *Successful Farming* 44(3): 144-146. Mar. 1946. 6 Sul2
- 20786 VARELA MARTINEZ, R. El valle del cauca y el ganado Holstein-Friesian. *Rev. Agr. y Genad.* 7 (95): 5-6. Nov./Dec. 1945. 9.4 R327
- Feeds and Feeding
- 20787 BALTZER, A. C. Feeding your herd. *Mich. Farmer* 206: 189, 218. Mar. 15, 1946. 6 M58
- 20788 BALTZER, A. C. What makes a cow tick? *Mich. Milk Messenger* 27(10): 3, 6. Feb. 1946. 44.8 M582
- Feeding.
- 20789 BOHSTEDT, G. New developments that may affect our feeds and dairy cattle; feeding practices. *Feed Bag* 22(2): 55-56, 121. Feb. 1946. 389.78 F32
- 20790 BRAY, C. I. Making cotton land grow beef cattle. *Prog. Farmer, Miss.-Ark.-La. Ed.* 61(3): 22, 83. Mar. 1946. 6 So81
- 20791 COWLES, W. L., JR. Florida Range Cattle Station official tells of results in winter feeding tests. *Stockman* 6(2): 34, 76. Feb. 1946. 49 So83
- 20792 DICKEY, H. Save colostrum for baby calves; you may save many a calf by following author's advice. *Jersey B.* 65: 236, 286-288. Feb. 25, 1946. 43.8 J48
- 20793 DOUDNA, F. I. Dairy herds. *Dairyland News* 16(1): 5. Jan. 14, 1946. 280.28 W752
- Watering.
- 20794 DUCK, R. W. Grain feeding for dairy cows. *Rural New-Yorker* 105: 204, 209. Mar. 2, 1946. 6 R88
- 20795 DUCKWORTH, J. A statistical comparison of the influence of crude fibre on the digestibility of roughage by *Bos indicus* (Zebu) and *Bos taurus* cattle. *Trop. Agr. [Trinidad]* 23: 4-8. Jan. 1946. Ref. 26 T754
- 20796 FOSTER, J. E. From corn cobs and shucks--to beef. *Res. and Farming. [N. C. Sta.] Prog. Rpt.* 4(2): 9. Jan. 1946. 100 N81R
- 20797 FOSTER, J. E., and BISWELL, H. H. Wintering cows on forest range. *South. Planter* 107(3): 26. Mar. 1946. 6 So89
- 20798 HIGGS, C. Cabbage v. kale. *Gt. Brit. Min. Agr. Agriculture* 52: 498-500. Feb. 1946. 10 G79J
- As cattle feed.
- 20799 INGHAM, A. G. Profitable winter pasture. *Hoard's Dairyman* 91: 172. Feb. 25, 1946. 44.8 H65
- 20800 KOKOVKIN, I. Kormovaia tykva v ratsionakh korov [Forage pumpkin in rations of cows]. *Sovkhoz. proizvod.* 5(8/9): 33-34. Aug./Sept. 1945. 20 So85
- 20801 KRAUSS, W. E. Vitamins for calves; the feeding of supplementary vitamins depends on ability of natural feed to meet needs. *Feedstuffs* 18(5): 40, 42-44. Feb. 2, 1946. 286.81 F322
- 20802 LEES, A. B. Milk: 300 days' continuous grazing. *Farmer & Stock-Breeder* 60: 363. Feb. 19, 1946. 10 F228
- 20803 LINN, J. W. Pasture can do more for dairy cattle. *Kans. Farmer* 83(5): 30. Mar. 2, 1946. 6 K13
- 20804 LOOSLI, J. K., and others. Recommended nutrient allowances for dairy cattle. *Amer. Vet. Med. Assoc. J.* 108: 172-175. Mar. 1946. 41.8 Am3
- C. F. Huffman, W. E. Petersen, and P. H. Phillips, joint authors.
- Excerpts from a report of the Committee on Animal Nutrition of the National Research Council, prepared by the Sub-Committee on Nutrition of Dairy Cattle.
- 20805 MACARTHUR, S. C. Murraydale settler favours lucerne as chief feeding material for his dairy herd; industry and intelligent management bring early reward. *Live Stock B.*, Nov. 1, 1945, p. 2. 23 F222
- 20806 LACKINTOSH, J. Some problems in cow feeding. *Gt. Brit. Min. Agr. Agriculture* 52: 503-506. Feb. 1946. 10 G79J
- 20807 MEANS, R. H. July-planted Hodo sorghum unsatisfactory for grazing by beef cattle after frosts. *Miss. Farm Res. [Miss. Sta.]* 9(1): 7. Jan. 1946. 100 M69M1
- 20808 MONROE, C. F., and KRAUSS, W. E. Simple vs. complex grain mixtures in dairy rations. I. Winter feeding of milking cows. *Ohio Agr. Expt. Sta. Bimo. B.* 31(238): 19-24. Jan./Feb. 1946. 100 Oh3S
- 20809 MORRIS, W. E. Beef feeders puzzled; what to do under the existing disturbing situation discussed. *Farmer [St. Paul, Dak. Ed.]* 63(19): 7, 22. Oct. 6, 1945. 6 F221LD
- 20810 NORTON, C. L. Effect of abrupt change in concentrate mixtures. *Feedstuffs* 18(4): 39. Jan. 26, 1946. 286.81 F322
- In dairy cattle feeding.
- 20811 SHEPHERD, J. B. Are you wondering about wilted grass silage? *Stockman* 6(3): 12-13, 68. Mar. 1946. 49 So83
- Dairy cattle.
- 20812 SHEPHERD, J. M. Wilting grass for silage. *Jersey B.* 65: 316, 364-367. Mar. 10, 1946. 43.8 J48
- 20813 SPIELMAN, A. A. Vitamin supplements for calves. *Flour & Feed* 46(10): 22. Mar. 1946. 298.8 F66
- 20814 STARCHER, G. C. Pasture plants and minor elements. *Plantation Stockman* 3(6): 18, 28-29, 32-34. Feb. 1946. 49 P69
- In range feeding.
- 20815 SUCKLING, J. J. C. The relation of pasture growth to periods of feed requirement [of dairy cattle]. *Fiji. Dept. Agr. Agr. J.* 16: 114-116. Dec. 1945. 25 F47Ag
- 20816 TURK, K. L. Modern trends in dairy cattle feeding. (Abs.) *Hoard's Dairyman* 91: 156. Feb. 25, 1946. 44.8 H65
- 20817 WATSON, J. "Scientific feeding of beef cattle"; corn fattening on the Richmond River. *Country Life [Sydney]* 57(29): 13. Jan. 18, 1946. 286.85 Sy8
- Veterinary Medicine
- 20818 ABELOOS, M. Phases et étapes de la croissance foetale du veau. *Paris. Acad. des Sci. Compt. Rend.* 222: 241-242. Jan. 21, 1946. 505 P21
- 20819 ALIVERDIEV, A. Paratif teliat i mery bor'by s nim [Paratyphoid in calves and control methods]. *Sovkhoz. Proizvod.* 5(8/9): 46-47. Aug./Sept. 1945. 20 So85
- Caused by Gärtner's bacillus.



20820 BEAMER, P. D. Udder hygiene and mastitis control. *Pure Milk* 20(2): 14-16. Feb. 1946. 280.28 P97

Includes correct milking procedure.

20821 BENNIER, H. H., JR. Prolapse of vagina due to proliferative growth. *Vet. Med.* 41: 109. Mar. 1946. 41.8 M69

In heifer.

20822 BRADT, C. G. Sound udders for high production. *Hoard's Dairyman* 91: 176. Feb. 25, 1946. 44.8 H65

20823 BRANDENBURG, T. O. Brucellosis of cattle (Bang's disease). *Dakota Farmer* 66(6): 12. Mar. 16, 1946. 6 D14

20824 BRITTON, J. W., and GOSS, H. Chronic molybdenum poisoning in cattle. *Amer. Vet. Med. Assoc. J.* 108: 176-178. Mar. 1946. 41.8 Am3

20825 BRYAN, C. S., and others. The treatment of acute infectious bovine mastitis with penicillin. *Vet. Med.* 41: 94-98. Mar. 1946. 41.8 M69  
J. W. Cunkelman, F. W. Young, and Visger, E. E., joint authors.

20826 BUDDLE, M. B. Progress in the control of contagious abortion [in cattle] in New Zealand by vaccination. *Austral. Vet. J.* 21: 122-129. Oct./Dec. 1945. 41.8 Au72

20827 BYRNE, J. L., PULLIN, J. W., and KONSKE, H. Studies in infectious [bovine] mastitis. I. Penicillin as a therapeutic agent. *Canad. J. Compar. Med.* 10(1): 16-23. Jan. 1946. Ref. 41.8 C162

20828 CAMPBELL, A. D., and RODWELL, A. W. The relationship of dosage and site of inoculation to the agglutinin response to *Brucella abortus* strain 19 vaccine: a comparison of the subcutaneous, intracutaneous and intracaudal routes. *J. Compar. Path. and Ther.* 55: 277-289. Oct. 1945. 41.8 J82

In cattle.

20829 CARVALHO E SILVA, O. M. DE. O reumatismo infeccioso das vacas. *Rev. da Vet.* 9(35): 11. Jan. 1946. 41.8 R3218

20830 CASSELLS, J. Pericardiotomy in the bovine. *Vet. Rec.* 58: 51. Feb. 2, 1946. 41.8 V641

20831 CRUZ A., M. Medidas para el control de la brucelosis en el ganado vacuno. *Guatemala. Dir. Gen. de Agr. Rev. Agr.* (ser. 2) 1: 586-588. Aug./Sept. 1945. 8 G934

20832 CUNNINGHAM, L. C. Calf mortality. *Hoard's Dairyman* 91: 174. Feb. 25, 1946. 44.8 H65  
20833 DENNIS, J., and HARBAUGH, F. G. The carbon dioxide content of the blood of dairy cattle. *Amer. J. Vet. Res.* 7(22): 37-40. Jan. 1946. 41.8 Am3A

20834 FOWLER, G. R. Bovine surgery. *Vet. Med.* 41: 90-93. Mar. 1946. 41.8 M69

20835 GRAYSON, A. R. Grass seed abscesses in cattle. *Marit. Farmer and Co-op. Dairyman* 51(8): 15. Jan. 15, 1946. 7 C77

20836 HANSSON, A. Dräktighetens inverkan på kornas levande vikt (The effect of pregnancy on the weight of dairy cows). *K. Lantbruksekad. Tidskr.* 84: 368-380. 1945. 104 Sw3  
English summary.

20837 HARDENBEROOK, H. J., ALBERTS, J. O., and BRYAN, H. S. Studies on bovine mastitis. III. Penicillin therapy in streptococcal mastitis. *Amer. Vet. Med. Assoc. J.* 108: 140-142. Mar. 1946. Ref. 41.8 Am3

20838 HERMAN, H. A. An indictment against mastitis. *Guernsey Breeders' J.* 69: 628-629, 642, 645-646. Mar. 15, 1946. 43.8 G93

20839 HOEKZEMA, J. P. Farmers--be on guard against undulant fever. *Farmers Guide* 102(6): 12. Mar. 15, 1946. 6 In2

20840 JENSEN, H. E. Urinary calculi [in cattle]. *North Amer. Vet.* 27: 159-161. Mar. 1946. 41.8 NB12

20841 KNODT, C. B., and PETERSEN, W. E. Studies of the carbohydrate metabolism of mammary gland tissue in vitro: II. The metabolism of citric acid and  $\beta$ -hydroxybutyric acid in tissue slices; III. Glycogen as an intermediary in the formation of lactose. *J. Dairy Sci.* 29: 115-128. Feb. 1946. 44.8 J822

20842 LEES, A. B. Mastitis means 100 gallons per cow. *Farmer & Stock-Breeder* 60: 268. Feb. 5, 1946. 10 F228

20843 LITTLE, R. B., and others. The intra-mammary therapy of bovine mastitis. *Amer. Vet. Med. Assoc. J.* 108: 127-135. Mar. 1946. 41.8 Am3  
C. S. Bryan, W. E. Petersen, W. N. Flastryge, and O. W. Schalm, joint authors.

20844 LUZIANIN, D. KH. Primenenie sul'fantrolia pri legochnykh bolezniakh teliat [Utilization of "sulfantrol" in the treatment of lung diseases in calves]. *Veterinariia* 22(8/9): 45. Aug./Sept. 1945. 41.8 V6426

20845 McDOWALL, F. H. Studies on the detection of mastitis in New Zealand dairy herds. V. Composition of milk from quarters reacting to the bromthymol blue test for mastitis. *New Zeal. J. Sci. and Technol.* 27: 258-269. Oct. 1945. Ref. 514 M48A

20846 MCOWEN, A. D. Contagious abortion vaccine prepared from strain 45(20); field vaccination trials. *Vet. Rec.* 58: 57-64. Feb. 9, 1946. 41.8 V641

Immunization of cattle.

20847 MOORE, G. R. Effects of stilbestrol on pyometra [in cattle] following retained fetal membranes. *Amer. Vet. Med. Assoc. J.* 108: 153-156. Mar. 1946. Ref. 41.8 Am3

20848 MOREIRA, J. Coccidióse bovina. *Biológico* 11: 316-319. Dec. 1945. 44.2 B529

20849 MORGAN, B. B., and CAMPBELL, H. M. Chemotherapy of *Trichomonas foetus* (protozoa) in vitro. *Amer. J. Vet. Res.* 7(22): 45-51. Jan. 1946. Ref. 41.8 Am3A

20850 MURRAY, A. A. Tennessee's mastitis control plan; several herds used in proving how to prevent great losses. *Jersey B.* 65: 244, 259-260, 262, 264-265. Feb. 25, 1946. 43.8 J48

20851 N., C. A. The treatment of deficiency diseases of cattle. *North Amer. Vet.* 27: 161. Mar. 1946. 41.8 NB12

20852 OSIPOV, V. S. Primenenie bakterifaga protiv paratifa teliat [Use of bacteriophage against paratyphoid in calves]. *Veterinariia* 22(8/9): 45. Aug./Sept. 1945. 41.8 V6426

20853 P., R. Lead poisoning in cattle. *Farmers' Gaz.* [Dublin] 104: 157. Mar. 2, 1946. 10 F221

20854 PATTISON, I. H. Tick-transmitted Protozoa in the peripheral blood of clinically healthy cattle in Palestine. *J. Compar. Path. and Ther.* 55: 243-249. Oct. 1945. 41.8 J82

20855 PLATA GUERRERO, R. Anotaciones al estudio serológico de las salmonellas patógenas para el ganado bovino en Colombia. *Rev. de Med. Vet.* [Bogotá] 14: 80-86. July/Dec. 1945. 41.8 R3214

20856 RYFF, J. F., and LEE, A. M. The etiology of calf diphtheria. *Amer. J. Vet. Res.* 7(22): 41-44. Jan. 1946. 41.8 Am3A

20857 SCALES, J. W. Bloat in cattle caused by eating too much, too fast. *Miss. Farm Res.* [Miss. Sta.] 9(1): 7. Jan. 1946. 100 M69M1

20858 SCHÄFER, W. Zur extraabdominalen Retorsion der Gebärmutter nach Bach. *Schweiz. Arch. f. Tierheilk.* 88(1): 44. Jan. 1946. 41.8 Sch9  
In cattle.

20859 SEIBOLD, H. R. An embryonal mixed tumor in the lungs of a calf. *Amer. Vet. Med. Assoc. J.* 108: 157-160. Mar. 1946. 41.8 Am3

20860 SHEARER, G. D. Some observations on the poisonous properties of bracken (*Pteris aquilina*) [to cattle]. *J. Compar. Path. and Ther.* 55: 301-307. Oct. 1945. Ref. 41.8 J82

- 20861 SIMORRA, J. Los rumiantes elaboran sus proteínas. *Rev. Ganad. [Habana]* 5(9/10): 18-21. Sept./Oct. 1945. 49 R321  
Refers to cattle.
- 20862 SOUTHERN RHODESIA. VETERINARY DEPT. African coast fever. *Rhodesia Agr. J.* 42: 398-403. Sept./Oct. 1945. 24 R34  
Includes control of tick vectors.
- 20863 SPENCER, G. R., MCCARTER, J., and BEACH, B. A. Reservoirs of infection of *Streptococcus agalactiae*. *Amer. J. Vet. Res.* 7(22): 32-36. Jan. 1946. Ref. 41.8 Am3A
- 20864 THOMPSON, L. E. Frothy bloat. *Amer. Vet. Med. Assoc. J.* 108: 151. Mar. 1946. 41.8 Am3  
In cattle.
- 20865 UDALL, D. H. Methods of controlling mastitis outlined. *Farmer's Advocate and Home Mag.* 81: 148-149. Feb. 28, 1946. 7 F22
- 20866 WELSH, M. Control of Bang's disease. *Holstein-Friesian J.* 8(11): 11-12, 84, 86, 88, 90. Feb. 1946. 43.8 H743
- 20867 WELSH, M. How to prevent calf scours. *Amer. Agr.* 143: 148-149, 153. Mar. 16, 1946. 6 Am3
- 20868 WHITTEN, L. K., CLARE, N. T., and WILMER, D. R. A photosensitized keratitis in cattle dosed with phenothiazine. *Nature [London]* 157: 232. Feb. 23, 1946. 472 W21
- 20869 X. Mastitis. *Scot. Farmer* 54: 401. Feb. 16, 1946. 10 Sco8  
In cattle.
- Miscellaneous
- 20870 BLANDING, L. R. 100,000-lb. cows. *Holstein-Friesian World* 43: 388. Feb. 16, 1946. 43.8 H742
- 20871 CLARKE, E. Milking will never be the same again. *Canad. Ayrshire Rev.* 26: 378-379. Feb. 1946. 43.8 Ay72  
Advocates fast milking.
- 20872 CRANDALL, W. T. Spring freshening cows can produce more milk. *Holstein-Friesian World* 43: 320. Feb. 16, 1946. 43.8 H742
- 20873 DICKEY, H. C. Modern method of raising calves. *Holstein-Friesian World* 43: 425-426, 535. Mar. 2, 1946. 43.8 H742
- 20874 FOLEY, W. T. Best feeders get the sugar; that's what these dairymen learned. *Farmer [St. Paul], Dak. Ed.* 63(20): 16. Oct. 20, 1945. 6 F2211D  
Fat yields from cattle over feed costs.
- 20875 HENRY, R. What raising a scramble calf has taught me. *Acco Press* 24(2): 6-8. Feb. 1946. 6 Ac2
- 20876 IT'S NEW! Combination testing plan; two types of service are offered. *Farmer* 64(4): 1, 34. Feb. 16, 1946. 6 F221  
Dairy cow testing in Minnesota.
- 20877 JOHANSSON, I. Mjölkningens rätta utförande. *Försök och Forskning* 2: 162-164. Nov. 1945. 11 F77  
Proper milking.
- 20878 LEES, A. B. A dairy farm with surplus protein. *Farmer & Stock-Breeder* 60: 176. Jan. 22, 1946. 10 F228
- 20879 M., S. C. A "super" story with a moral. *Live Stock B.*, Dec. 1, 1945, p. 24-25. 23 F222  
Description of a dairy farm.
- 20880 MILLER, J. G. Beef cattle production. *Jamaica Agr. Soc. J.* 49: 197-199. Oct./Dec. 1945. 8 J223
- 20881 MORRISON, S. R. Flies are caught easier with syrup than vinegar, and contented cows are mirrors of human character. *Plantation Stockman* 3(6): 10-12. Feb. 1946. 49 P69
- 20882 MULDRON, M. W. Beef cattle in Arkansas. *Prog. Farmer, Miss.-Ark.-La. Ed.* 61(3): 34. Mar. 1946. 6 So81
- 20883 PATERSON, J. A. Milk records; forty-second year--records of 46,972 cows. *Highland and Agr. Soc. Scot. Trans. (ser. 5)* (1945) 57: 88-95. 10 H536
- 20884 PERRY, E. J. "Production is paramount, type is essential"--Mark Keeney; the story of Overbrook Hospital herd with a twelve-year average of 530.8 lbs. fat. *Hoard's Dairyman* 91: 191, 200-201. Mar. 10, 1946. 44.8 H65  
Includes breeding and feeding.
- 20885 POLIAKOV, A. A. Prodezinfitsirovat' pomescheniia pered postanovkoi skota na zimnee soderzhanie [Disinfection of quarters for the winter care of cattle]. *Veterinariia* 22(8/9): 37-39. Aug./Sept. 1945. 41.8 V6426
- 20886 PROULX, J. R. Chez les éleveurs de bovins canadiens. *Terre de Chez Nous* 18(20, 1. e. 19): 16. Feb. 13, 1946. 7 T27
- 20887 R. O. P. leaders in 1945. Seven new Canadian champion producers crowned. Nine cows made over 1,000 lbs. fat in past year. *Holstein-Friesian J.* 8(11): 13-16, 18-21, 70, 72. Feb. 1946. 43.8 H743
- 20888 REEVES, F. Flat top. *Amer. Hereford J.* 35(20): 8-9, 136. Feb. 15, 1946. 43.8 Am32  
Beef production on Flat Top Ranch in Texas.
- 20889 ROLLINSON, J. K. Old brands of Big Horn Basin, Wyoming. *West. Livestock J.* 24(17): 74-77. (Cont.) Feb. 15, 1946. 6 F2278
- 20890 SMITH, F. Fletcher Smith adds up the score for body condition; milking capacity is bred in and built in, he says, but the actual yield depends on condition. *Checkerboard News* 8(3): 17. Mar. 1946. 389.78 C41
- 20891 SMITH, H. H. Way to success with your 4-H beef calf. *Sheep and Goat Raiser* 26(6): 14-15, 32-36. Mar. 1946. 45.8 Sh3
- 20892 THORBURN, J. B. What I like about cows. *Country Life [London]* 99: 308. Feb. 15, 1946. 80 C83
- 20893 TRILEY--an "elite" producer; one of the "long distance" cows whose value has been spotlighted by Dairy Board's Life Merit Register. By "Utility." *New Zeal. Dairy Exporter* 21(6): 45-47. Feb. 1946. 44.8 N484
- 20894 WILLIAMS, W. Five cows: sixty calves; a report on the first year's working of Devon W.A.E.C.'s successful calf-rearing scheme. *Farmers Weekly [London]* 24(1): 25-26. Jan. 4, 1946. 10 F2226

## DOGS AND CATS

Breeds and Breeding

- 20895 THE BREEDS in brief. No. 48. Samoyede. *Amer. Kennel Gaz.* 63(3): 29-32, 206-208. Mar. 1946. Ref. (Beltsville Branch Libr.)
- 20896 CARLISLE, V. M. Cairns--past, present, future? *Dog World* 31(1): 119. Jan. 1946. 48.8 D672
- 20897 CARSON, B. Color and the hunting ability of Cocker and other Spaniels. *Dog World* 31(1): 73-74. (To be cont.) Jan. 1946. 48.8 D672
- 20898 COLE, H. I. A study of color variation in Bulldogs. *Dog World* 31(1): 147. Jan. 1946. 48.8 D672
- 20899 EVANS, O. B. A review of Engsets in '45. *Dog World* 31(1): 84-85. Jan. 1946. 48.8 D672
- 20900 GORDON, D. M. Checks and doublecheck in Boxer breeding. *Dog World* 31(2): 98. Feb. 1946. 48.8 D672
- 20901 GRANT, M. A shepherd's dogs. *New Zeal. Farmer Weekly* 66(23): 4-5. Jan. 10, 1946. 23 N484  
The Collie.



- 20902 J., W. A good Wire. Dog World 31(1): 124. Jan. 1946. 48.8 D672  
Wirehaired Foxterrier.
- 20903 J., W. Let's breed Airedales. Dog World 31(1): 119. Jan. 1946. 48.8 D672
- 20904 KAUFFMAN, R. E. Shall we change our Chi standard? Dog World 31(1): 136. (Cont.) Jan. 1946. 48.8 D672
- 20905 MCCAIN, J. P. Wants more specific color statements in Collie standard. Dog World 31(2): 104. Feb. 1946. 48.8 D672
- 20906 MATCHETT, M. The Afghan--blooming coat or not. Dog World 31(1): 1, 79. Jan. 1946. 48.8 D672
- 20907 PHEMISTER, A. What 1946 holds in prospect for the Basenji. Dog World 31(1): 97. Jan. 1946. 48.8 D672
- 20908 WEIR, S. M. Some comments about fawn breeding in Danes. Dog World 31(1): 107. (Concl.) Jan. 1946. 48.8 D672
- 20909 WINGE, C. On the bicolor gene in dog. Lab. Carlsberg. Compt. Rend. des Trav. Sér. Physiol. 24: 125-132. 1946. Ref. 390.9 C19A.
- 20910 YARHAM, E. R. Root of tradition: Americans' great love of pure-bred dogs is akin to that of Britain's Royal Family. Amer. Kennel Gaz. 63(3): 21-23, 216-218. Mar. 1946. (Beltsville Branch Libr.) Historical account.

#### Feeds and Feeding

- 20911 COUCH, V. M. Feeding the kitten. All-Pets Mag. 17(3): 52. Mar. 1946. 48.8 A15
- 20912 HUBBARD, C. L. B. Dogs' diet need not be monotonous. Smallholder 74(1874): 20. Feb. 15, 1946. 10 Sml

#### Veterinary Medicine

- 20913 BENNETT, G. A., and HUTCHINSON, R. C. Experimental studies on the movements of the mammalian tongue. II. The protrusion mechanism of the tongue (dog). Anat. Rec. 94(1): 57-83. Jan. 1946. 447.8 Anl
- 20914 BUITRAGO GARCIA, E., MONTILLA S., J. C., and LOZANO R., T. Anotaciones sobre anestesia troncular en perro, para practicas quirurgicas. Rev. de Med. Vet. [Bogotá] 14: 87-90. July/Dec. 1945. 41.8 R3214
- 20915 BUITRAGO GARCIA, E., and MONTILLA S., J. C. Anotaciones sobre las experiencias practicadas para determinar los mejores sitios de punción y toma de muestras de bazo, estómago, hígado y vesícula biliar en perro. Rev. de Med. Vet. [Bogotá] 14: 91-94. July/Dec. 1945. 41.8 R3214
- 20916 BURT, J. H. Anomalous posterior vena cava of a dog. Amer. Vet. Med. Assoc. J. 108: 152. Mar. 1946. 41.8 Am3
- 20917 CARLSON, K. C. Osteogenic sarcoma in Great Dane. Vet. Med. 41: 106-107. Mar. 1946. 41.8 M69
- 20918 DUKE, K. L. Monozygotic twins in the dog. Anat. Rec. 94(1): 35-41. Jan. 1946. 447.8 Anl
- 20919 GREEN, R. G. Quick protection and therapeutic effect of distemperoid virus. North Amer. Vet. 27: 165-168. Mar. 1946. Ref. 41.8 N812
- 20920 HAROLD, L. V. Posterior paralysis in a dog. Vet. Med. 41: 106. Mar. 1946. 41.8 M69
- 20921 HEDEMAN, L. P., and WILLIAMSON, S. P. Cod liver oil in cystitis of dogs. North Amer. Vet. 27: 164. Mar. 1946. 41.8 N812
- 20922 LINER, L. Scourge of the Andes; how Ecuador is bucking the rabies menace in the face of loud protests from dog-lovers. Inter-Amer. 5(3): 26-27, 45. Mar. 1946. 280.8 In85
- 20923 MARNEY, U. E., CULPEPPER, R. A., and GALE, H. C. Penicillin in piroplasmiasis of dogs. Amer. Vet. Med. Assoc. J. 108: 164. Mar. 1946. 41.8 Am3

- 20924 MILLAR, A. S., and HUBBARD, D. W. Gallstones in a dog. Amer. Vet. Med. Assoc. J. 108: 160. Mar. 1946. 41.8 Am3
- 20925 MORGAN, A. F., and GROODY, M. Further tests on a fit-producing dog food. Amer. Vet. Med. Assoc. J. 108: 179-183. Mar. 1946. 41.8 Am3
- 20926 AN OBSERVATION of dogs transmitting leptospirosis to their masters. Amer. Vet. Med. Assoc. J. 108: 166-167. Mar. 1946. 41.8 Am3
- 20927 RIDGWAY, J. Eye-worms [Thelazia californiensis (?)] in a German Shepherd. Amer. Vet. Med. Assoc. J. 108: 165. Mar. 1946. 41.8 Am3
- 20928 SEIBOLD, H. R. Systemic blastomycosis in dogs; a report of two cases. North Amer. Vet. 27: 162-164. Mar. 1946. 41.8 N812
- 20929 WISLOCKI, G. B., and DEMPSEY, E. W. Histochemical reactions in the placenta of the cat. Amer. J. Anat. 78(1): 1-37. Jan. 1946. Ref. 447.8 Am32

#### Miscellaneous

- 20930 BAIRD, J. Review of 1945 in the dog field. Dog World 31(1): 25, 38. Jan. 1946. 48.8 D672
- 20931 CHAMPION, H. B. Hints for the winter [care of cats]. All-Pets Mag. 17(2): 40. Feb. 1946. 48.8 A15
- 20932 COLE, I. The cat in America. All-Pets Mag. 17(2): 35-37; (3): 49-50. (Cont.) Feb., Mar. 1946. 48.8 A15
- 20933 JUDY, W. Dogs & autos. Dog World 31(1): 18. Jan. 1946. 48.8 D672  
Adjustment to modern civilization.
- 20934 KENDRICK, H. Selecting a pup. Fa. Game News 16(11): 15, 31. Feb. 1946. 412.9 F38P
- 20935 LYON, M. Wanted: dog engineers. Amer. Kennel Gaz. 63(3): 18-20, 214-215. Mar. 1946. (Beltsville Branch Libr.)  
Discussion of the standards for judging dogs.
- 20936 PLANTAIN, J. K. "No can do." Smart campaigning seldom overcomes lack of quality in a dog. Amer. Kennel Gaz. 63(3): 24-25, 215-216. Mar. 1946. (Beltsville Branch Libr.)
- 20937 POISONING of rabbits: effects of strychnine. By Investigator. New Zeal. Farmer Weekly 66 (23): 46-47. Jan. 10, 1946. 23 R484  
Discussion on danger to dogs.
- 20938 SMITH, A. C. Lost, stolen, or strayed. Field 187(4858): 136. Feb. 2, 1946. 10 F45  
Lost or stolen dogs.

#### HORSES AND MULES

##### Breeds and Breeding

- 20939 ANDRADE, S. J. DE. A raça Mangalarga e suas origens. Campo, Rio de Janeiro, 16(192): 33. Dec. 1945. 9.2 C15  
Brazil.
- 20940 BAUMANN, J. Über stand und gegenwartsfragen unserer pferdezucht. Landw. Jahrb. der Schweiz 59: 409-431. 1945. 17 L23
- 20941 BLYTHE, J. Selecting a stallion. Natl. Horseman 82(3): 19, 110, 112, 114, 116. Mar. 1946. 42.8 N21
- 20942 CULLEY, E. R. The science of heredity as applied to inbreeding. Thoroughbred Rec. 143: 243, 264, 266. Feb. 9, 1946. 42.8 T39
- 20943 DAWLEY, J. S. Here is your Morgan. Here's Who Horses Pacific Coast 2: 89-91. 1945. 42.8 H42
- 20944 DEE, J. Eulogy for a golden star. Here's Who Horses Pacific Coast 2: 87-88. 1945. 42.8 H42  
Palomino stallion.
- 20945 DENHARDT, B. The history of the Quarter Horse. Ranchman 5(11): 16, 18. Mar. 1946. 49 R15



20946 FAGAN, E. D. The Quarter Horse--fact and fiction. Here's Who Horses Pacific Coast 2: 93-96. 1945. 42.8 H42

20947 FAGAN, J. M. Progress of the Palomino. Here's Who Horses Pacific Coast 2: 83, 85. 1945. 42.8 H42

20948 FEISST, E. Anstrengungen des Bundes zur Förderung und Hebung der einheimischen Pferdezucht. Landw. Jahrb. der Schweiz 59: 391-408. 1945. 17 L23

20949 GLOOR, J. Das schweizerische Stammbuch für das Zugpferd. Landw. Jahrb. der Schweiz 59: 484-488. 1945. 17 L23

20950 HARRISON, S. Keep your eye on the foundation as well as on the roof. Thoroughbred Rec. 143: 414, 432. Mar. 9, 1946. 42.8 T39  
Horse breeding.

20951 HARTUNG, A. M. A great sire! Famous Saddle stallion sires illustrious line. West, Live-stock J. 24(17): 120, 122. Feb. 15, 1946. 6 F2278  
Stonewall King.

20952 HEITZ, F. Beziehungen zwischen Warmblut-zucht, Armee und Landwirtschaft. Landw. Jahrb. der Schweiz 59: 434-439. 1945. 17 L23

20953 HEWITT, A. S. Inbreeding [in horses] as a successful breeder views it. Thoroughbred Rec. 143: 374, 392. Mar. 2, 1946. 42.8 T39

20954 HILLS, F. B. The Morgan horse. Morgan Horse Mag. 5: 31. Feb. 1946. 42.8 M82

20955 KELLERHALS, H. Die Maultierzucht. Landw. Jahrb. der Schweiz 59: 432-433. 1945. 17 L23

20956 KIEWER, A. Die Auswertung der Zuchtbuch- und sonstigen Aufzeichnungen sowie der Prämierungsergebnisse in der einheimischen Pferdezucht. Landw. Jahrb. der Schweiz 59: 456-483. 1945. Ref. 17 L23

20957 LÖRTSCHER, H. Die Inzucht- und Verwandtschaftsverhältnisse beim Jurapferd im Lichte gegenwärtiger Zuchtungsprobleme. Landw. Jahrb. der Schweiz 59: 440-455. 1945. 17 L23

20958 MOREIRA, C. B. Os serviços de remonta e veterinária no Exército Brasileiro. Campo, Rio de Janeiro, 16(192) 69-70. Dec. 1945. 9.2 C15  
Horses.

20959 PHILLIPS, J. The Arabian. Here's Who Horses Pacific Coast 2: 79-80. 1945. 42.8 H42

20960 PHILLIPS, R. W. The United States Morgan Horse Farm; its work and its objectives. Morgan Horse Mag. 5: 29, 40-45. Feb. 1946. 42.8 M82

20961 PLAN plemennoi raboty konnogo zavoda No. 1 [Plan for breeding work at stud farm No. 1]. Sovkhoz. Proizvod. 5(10): 19-29. Oct. 1945. 20 So85

In cooperation with the Moskovskii Zootehnicheskii Institut Konevodstva [Moscow Zootechnical Institute of Horse-Breeding].

20962 POPOV, B. N. Soderzhanie i ispol'zovanie zherebtsov-proizvoditelei [Care and utilization of stallions in breeding]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsvoety Kolkhoz., No. 12, 8 p. Mar. 1945. 20 Ag88

20963 SCHWEIZERISCHE VEREINIGUNG FÜR TIERZUCHT. Probleme der schweizerischen Pferdezucht. Landw. Jahrb. der Schweiz 59: 383-560. 1945. 17 L23

The lectures given at this meeting are analyzed under subject.

20964 ZAVADOVSKII, B., and NESMEYANOVA-ZAVADOVSKAIA, E. Gormonal'nye metody diagnostiki zherebsti v proizvodstve konzavodov (Hormonal methods of pregnancy diagnostics in stud farm work). Vsesoyuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(7/8): 3-6. 1945. 20 Ak1  
Horses.

#### Feeds and Feeding

20965 BRANCO, L. Observações sobre alimentação dos cavalos. Brazil. Dept. Nac. de Prod. Veg. Secç. de Momento Agr. no Paraná. B. Agr. 3(10/11): 113-118. Dec. 1945. 9.2 B7363

20966 CHAVANNES, H. Les bases scientifiques de l'affouragement du cheval. Landw. Jahrb. der Schweiz 59: 533-539. 1945. 17 L23

20967 CRASWAIN, E. Die wissenschaftlichen Grundlagen der Pferdefütterung. Landw. Jahrb. der Schweiz 59: 504-532. 1945. Ref. 17 L23

20968 HOWELL, C. E. Feed horses correctly. Calif. Cult. 93(4): 126. Feb. 16, 1946. 6 C12

#### Veterinary Medicine

20969 DIMOCK, W. W. Breeding hygiene for the mare. Blood-Horse 45: 497-498. Feb. 23, 1946. 42.8 T392

Bacterial infection of genital tract as a cause of sterility.

20970 DIMOCK, W. W. The causes of abortion. Blood-Horse 45: 632-633. Mar. 9, 1946. 42.8 T392

20971 DIMOCK, W. W. Examination of foaling mares; danger of streptococcal infection. Blood-Horse 45: 559, 592, 594. Mar. 2, 1946. 42.8 T392

20972 DIMOCK, W. W. Infections, diseases of the newborn; pre-natal and post-natal causes. Blood-Horse 45: 691, 693, 696. Mar. 16, 1946. 42.8 T392

20973 DIMOCK, W. W. Riboflavin and periodic ophthalmia. Blood-Horse 45: 431-434. Feb. 16, 1946. Ref. 42.8 T392

20974 DÜERST, U. Zur Statik und Mechanik des Pferdes. Landw. Jahrb. der Schweiz 59: 489-496. 1945. 17 L23

20975 FETHERS, G. Common colic in horses. Fast. Rev. 56(1): 31. Jan. 16, 1946. 23 Au75

20976 GAMBAROV, G. S. Nervnye iavleniia pri infektsionnoi anemii loshadei [Nervous conditions during infectious anemia in horses]. Veterinariia 22(8/9): 12-15. Aug./Sept. 1945. 41.8 V6426

20977 GORRIE, C. J. R. Phenothiazine against strongyle worms in horses. Stock and Land 36(4): 3. Jan. 23, 1946. 49 St63

20978 GRABAR, P., and STAUB, A. K. Recherches immunochimiques sur la bactériémie charbonneuse. IV. Étude quantitative des précipitations observées avec certains extraits du B. anthracis et un sérum anti-charbonneux de cheval. Inst. Pasteur, Paris. Ann. 71: 385-393. Nov./Dec. 1945. 448.3 An75

20979 GRIBANOVSKAIA, E. I. A. Otsenka razlichnykh metodov lecheniia epizooticheskogo limfangoiita loshadei [Evaluation of various methods in the therapy of lymphangitis epizootica in horses]. Veterinariia 22(8/9): 19-21. Aug./Sept. 1945. 41.8 V6426

20980 HICKMAN, J. Administrative history of the Veterinary and Remount Branch, 21st Army Group, on the Continent from D day to VE day. Roy. Army Vet. Crops. J. 17: 66-69. Feb. 1946. 41.8 G79

20981 IAKUSHEV, V. I. Subarakhnoidal'naiia punkttsiia pri entsfalomielite loshadei [Subarachnoid puncture in equine encephalomyelitis]. Veterinariia 22(8/9): 22-23. Aug./Sept. 1945. 41.8 V6426

20982 JACKSON, B. Dr. [W. W.] Dimock disagrees. Natl. Horseman 82(3): 21. Mar. 1946. 42.8 N21  
On moon blindness (periodic ophthalmia) in horses.

20983 K., F. Swelling of the hock joints in horses. Farmers' Gaz. [Dublin] 103: 781. Dec. 29, 1945. 10 F221

20984 KHODORKINA. Neprokhodimost' kishechnika u loshadei, vyzvannaiia gematomoi delafondioznoi etiologii [Intestinal obstruction in the horse caused by hematoma of Delafondia etiology]. Veterinariia 22(8/9): 44-45. Aug./Sept. 1945. 41.8 V6426

Larvae of Delafondia vulgaris, possibly Strongylus vulgaris.



20985 KUZNETSOV. Ob oslozhnennykh ranakh obshchego sukhoshil'nogo vlagalishcha sgibatelei pal'tsev u loshadei. Veterinariia 22(8/9): 35-36. Aug./Sept. 1945. 41.8 V6426

Concerning wound complications of the tendon sheaths in the legs of horses.

20986 LAFORTUNE, J. G. Les parasites internes [of horses]. Forêt Québécoise 11: 29. Jan. 1946. 99.8 F79

20987 LAFORTUNE, J. G. Les soins dentaires. Forêt Québécoise 11: 107-108. Feb. 1946. 99.8 F79

Dental care for horses.

20988 LEUTHOLD, A. Ueber die gelenke der gliedmassen beim pferd. Landw. Jahrb. der Schweiz 59: 497-503. 1945. 17 L23

20989 LIUBIMOV, A. E. Preduprezhdenie ozhogov u loshadei pri gazokamernom lechenii [Prevention of burns in horses during gas chamber treatment]. Veterinariia 22(8/9): 39-40. Aug./Sept. 1945. 41.8 V6426

20990 MAGDA, I. I. Lechenie gnoynogo vospaleniia tarsal'nogo sukhoshil'nogo vlagalishcha loshadei, soprovozhdaemogo nekrozom sukhoshiliia [Therapy of the purulent infection of the vagina tarsalis in the horse, accompanied by necrosis of the tendon]. Veterinariia 22(8/9): 31-35. Aug./Sept. 1945. 41.8 V6426

20991 MEDVEDEV, I. D. O ranevom sepsise. Veterinariia 22(8/9): 27-30. Aug./Sept. 1945. 41.8 V6426

Septicemia in wounds of horses.

20992 MESHKOV, N. V. Ob izmeneniiakh v mozgu loshadei pri infektsionnoi anemii [Concerning changes in horse's brain during infectious anemia]. Veterinariia 22(8/9): 15-19. Aug./Sept. 1945. 41.8 V6426

20993 MILLENBRUCK, E. W., and WALLINGA, M. H. A newly developed anesthetic for horses. Amer. Vet. Med. Assoc. J. 108: 148-151. Mar. 1946. 41.8 Am3

Chloral hydrate, magnesium sulfate, and pentobarbital sodium intravenously.

20994 MONTAVON, M. Le sabot, ses soins et son ferrage. Landw. Jahrb. der Schweiz 59: 549-556. 1945. 17 L23

20995 NICOL, G. Parasites of the horse. Victoria. Dept. Agr. J. 44: 53-56. Feb. 1946. 23 V66J

20996 NORWAY. VETERINAERDIKTØREN. Veterinaerresenet, 1943, 76 p. Oslo, 1945. (Norges Offisielle Statistikk. K. 93) 41.9 N83B

Annual report of the Veterinary Service in Norway.

20997 R., R. H. The Army Veterinary Service in South-East Asia Command. Roy. Army Vet. Corps. J. 17: 69-73. Feb. 1946. 41.8 G79

20998 ROCA GARCIA, M. Un piroplasma del tipo "Muttallia equi," parasito de "Didelphis paraguayensis" en Colombia. Rev. de Med. Vet. [Bogotá] 14: 70-79. July/Dec. 1945. 41.8 R3214

20999 RYAN, A. F., and RAINY, J. W. A specific arthritis with pericarditis affecting horses in Tasmania. Austral. Vet. J. 21: 146-148. Oct./Dec. 1945. 41.8 Au72

21000 SALES, J. F. DE, and JANSSEN, J. Xenodiagnóstico na habronemose dos equideos; estudo das larvas do helminto. Inst. Oswaldo Cruz. Mem. 42(1): 207-215. 1945. 448.9 In74

English summary.

Authors unable to identify the Habronema larvae obtained from parasitized fly larvae.

21001 SCHNEIDER, R. Über den kropf des pferdes und dessen beseitigung durch operation. Schweiz. Arch. f. Tierheilk. 88(1): 39-43. Jan. 1946. 41.8 Sch9

21002 THOMAS, L., and PECK, J. L. Results of inoculating Okinawan horses with the virus of Japanese B.encephalitis. Soc. Expt. Biol. and Med. Proc. 61(1): 5-6. Jan. 1946. 442.9 Sol

21003 VELASQUEZ, J., and ALBORNOZ, J. E. Aborto de las yeguas. Rev. de Med. Vet. [Bogotá] 14: 61-64. July/Dec. 1945. 41.8 R3214

#### Miscellaneous

21004 B., B. R. Pull a horse's tail; correct style and finish. New Zeal. Farmer Weekly 66(21): 51. Dec. 13, 1945. 23 N484

21005 BROWN, M. Horsecwork. Poultry Farmer [London] 114(2955): 4. Feb. 8, 1946. 47.8 F312

21006 BROWN, M. My bay mare. Poultry Farmer [London] 114(2951): 4. (To be cont.) Jan. 11, 1946. 47.8 F312

21007 CIMORA, C. El caballo en la historia y el progreso. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 59-60. Dec. 1945. 8 R3291

21008 DINSMORE, W. Will horse shows continue? Here's Who Horses Pacific Coast 2: 52. 1945. 42.8 H42

21009 G., A. L'élevage du cheval en Suisse et la "Politique du cheval." J. d'Agr. Suisse 57(42): 1. Oct. 20, 1945. 17 J82

21010 HERVEY, J. Shoeing the harness horse. Hoof Beats 14(1): 16, 37. Mar. 1946. 42.8 H76

21011 HOUELOTT, C. Higiene del potrillo. Rev. Ganad. [San Salvador] 5(71/73): 5-9. Oct./Dec. 1945. 8 R3292

On care.

21012 HOWELL, C. E. Start now--the horse shows are coming. Calif. Cult. 93(4): 126. Feb. 16, 1946. 6 C12

Training horses for the shows.

21013 HUNGERFORD, T. G. The breaking, training and handling of horses. Agr. Gaz. N. S. Wales 57(1): 42-46. (Cont.) Jan. 1946. 23 N472

21014 JACKSON, B. It can be fun; gaiting your horse isn't too difficult for either rider or mount if you go at it right from the beginning. South. Agr. 76(3): 10, 33. Mar. 1946. 6 So83

21015 KOESTER, F. W. Horse show's contribution to horsemanship. Here's Who Horses Pacific Coast 2: 50-51. 1945. 42.8 H42

21016 LAMOND, H. G. The stock horse. Live Stock B., Oct. 1, 1945, p. 2. 23 F222

Chiefly on judging.

21017 POPOV, B. N. Vyrashchivanie zherebiat [The raising of colts]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolchoz., No. 23, 8 p. Moskva, 1945. 20 Ag88

21018 RIKLIN, O. Probleme der foehlensaufrucht. Landw. Jahrb. der Schweiz 59: 540-546. 1945. 17 L23

21019 RIX, J. C. The horses of the surrendered enemy in Austria. Roy. Army Vet. Corps. J. 17: 57-64. Feb. 1946. 41.8 G79

21020 SCHMID, A. Eröffnungsansprache. Landw. Jahrb. der Schweiz 59: 387-389. 1945. 17 L23

History of the horse in Switzerland.

21021 SMALE, B. Clean the decks; establish fair practices at horse auctions to promote the light breeds. West. Livestock J. 24(17): 116-117. Feb. 1946. 6 F2278

21022 SOUZA, E. F. Um pouco da vida na fazenda. Rev. de Vet. 9(35): 11. Jan. 1946. 41.8 R3218

Brings out need for care and protection of stock.

21023 WIGHT, D. Draft horses under present farm conditions. Pa. Farmer 134: 188. Mar. 9, 1946. 5 F383

#### POULTRY

#### Breeds and Breeding

21024 ALEXANDER, A. K. S. White Presse poultry, worth reviving. Farmer & Stock-Breeder 60: 276. Feb. 5, 1946. 10 F228



- 21025 BARLEY, H. D. Ready for the debate. Poultry World 78: 89. Feb. 15, 1946. 47.8 P8682  
Author advocates spring mating.
- 21026 BISHOP, C. D. Line breeding for a brown egg. Poultry Farmer [London] 114(2955): 3. Feb. 8, 1946. 47.8 F312
- 21027 THE BREEDING of short heel fowl. By "Hambletonian." Gamecock 8(8): 7-9; (9): 11-12; (10): 10-11. (To be cont.) Dec. 1945, Jan., Feb. 1946. 47.8 G142
- 21028 BROOLHEAD, W. W. Sex-linkage in breeding. Poultry [London] 98: 72. Jan. 29, 1946. 47.8 P869
- 21029 BROWN, C. L. Turbits, Turbits, Turbits. All-Pets Mag. 17(2): 55. Feb. 1946. 48.8 AL5
- 21030 BYERLY, T. C. Chicken of tomorrow to grow faster. Prairie Farmer, Gen. Ed. 118(5): 40-41. Mar. 2, 1946. 6 P883  
Discussed from the breeding standpoint.
- 21031 CAMPBELL, H. The silver lining. All-Pets Mag. 17(3): 61-62. Mar. 1946. 48.8 AL5  
Pigeon breeding.
- 21032 COLLINSON, H. Laying ability is not enough; unless other factors in breeding birds are considered down goes quality. Smallholder 74(1873): 17. Feb. 8, 1946. 10 Sml
- 21033 DRYDEN, H. Breeding fowls with all-round excellence. Pacific Rural Press, North. Ed. 151: 206-207. Mar. 2, 1946. 6 P112A
- 21034 GALLUS bankiva. Poultry Tribune 52(3): 4-5. Mar. 1946. 47.8 P8642  
Colored plate, p. 4.
- 21035 GLASER, E. G. "Check" mating turkeys. Amer. Poultry J., Cent. Ed. 77(3): 80. Mar. 1946. 47.8 Am32
- 21036 HAGEDOORN, A. L. Nucleus system of [poultry] breeding. 6. Poultry Farmer [London] 114(2951): 3; (2952): 3. Jan. 11, 18, 1946. 47.8 F312
- 21037 HOWES, H. Early eggs from the geese. Mod. Poultry Keeping 54: 41. Jan. 16, 1946. 47.8 Eg3  
Mating problems.
- 21038 HOWES, H. Maintaining duck fertility. Mod. Poultry Keeping 54: 27. Jan. 9, 1946. 47.8 Eg3
- 21039 HOWES, H. Measures that make for success in turkey breeding. Mod. Poultry Keeping 54: 86-87. Jan. 30, 1946. 47.8 Eg3
- 21040 HUTTON, J. Bantams in 1945. Poultry [London] 98: 60. (To be cont.) Jan. 22, 1946. 47.8 P869
- 21041 HUTTON, J. Japanese and Brahmas. Poultry [London] 98(3279): 28. Jan. 8, 1946. 47.8 P869  
Bantams.
- 21042 JACKSON, M. E. K. P. I. A. office in operation. Kans. Poultry News 2(2): 37, 39. Feb. 1946. 47.8 K13  
Kansas Poultry Improvement Association.
- 21043 JUHN, M. Pattern reversal in the plumage of thioureacil-treated hybrid fowl. J. Hered. 36: 355-356. Dec. 1945. 442.8 Am3
- 21044 JULL, M. A. Developing fast-feathering general-purpose strains. Hatchery Tribune 20(3): 97-100. Mar. 1946. 47.8 H28
- 21045 MILNER, J. L. Mating up Faverolles. Poultry [London] 98: 54. Jan. 22, 1946. 47.8 P869
- 21046 MORGAN, C. L. The Rhode Island Red. South. Agr. 76(3): 62. Mar. 1946. 6 So83
- 21047 MOWLL, R. Shank colour genetics. Poultry Farmer [London] 114(2955): 6. Feb. 8, 1946. 47.8 F312
- 21048 NEWMAN, T. A Leghorn revival? Mod. Poultry Keeping 54: 27. Jan. 9, 1946. 47.8 Eg3
- 21049 PENNY, J. G. Pullet breeding: an anomaly. Mod. Poultry Keeping 54: 65. Jan. 23, 1946. 47.8 Eg3
- 21050 POWELL-OWEN, W. Introducing new blood. Poultry World 78: 54. Jan. 25, 1946. 47.8 P8682
- 21051 POWELL-OWEN, W. Now the Leghorn; searching for the perfect sire that stamps characteristics on progeny. Poultry World 78: 121. Mar. 1, 1946. 47.8 P8682
- 21052 POWELL-OWEN, W. Performance and breed-type; contention that good layers cannot be good lookers a disservice to our pure breeds. Poultry World 78: 104. Feb. 22, 1946. 47.8 P8682
- 21053 POWELL-OWEN, W. Reflections on stamina. Poultry World 78: 77. Feb. 8, 1946. 47.8 P8682
- 21054 POWELL-OWEN, W. When in doubt--leave out; applied to mating up the breeders this maxim is as sound as it ever was. Poultry World 78: 26. Jan. 11, 1946. 47.8 P8682
- 21055 QUINN, J. P. Breeding for better egg shells. Everybodys Poultry Mag. 50(11): 5, 34. Dec. 1945. 47.8 F213P
- 21056 ROSCOE, C. Khakis that average 280 eggs a year. Poultry [London] 38. Jan. 15, 1946. 47.8 P869
- 21057 SELECTION in [poultry] breeding. By "Alpha." So. African Poultry, Pigeon and Bird Mag. 51: 315. Dec. 1945. 47.8 So83
- 21058 SHELTON, F. Give the breeders a break; proper management needed to assure production of quality hatching eggs. Turkey World 20(12): 18-19, 87-90. Dec. 1945. 47.38 T84
- 21059 SHOFFNER, R. N. A dactylolysis mutation in the fowl. J. Hered. 36: 375-378. Dec. 1945. 442.8 Am3
- 21060 SNEELGROVE, A. Black Orpington activities. Poultry [London] 98: 122. Feb. 19, 1946. 47.8 P869
- 21061 SODERBERG, P. M. Maximum fertility. Poultry Farmer [London] 114(2952): 8-9. Jan. 18, 1946. 47.8 F312
- 21062 STRIKE, H. Lancashire makes a move; effort to link breed-type with utility points. Poultry World 78: 64. Feb. 1, 1946. 47.8 P8682
- 21063 THOMPSON, H. Which breed? Poultry Tribune 52(3): 99-101. Mar. 1946. 47.8 P8642
- 21064 WARREN, D. C. Developing broad-breasted chickens. Kans. Poultry News 2(2): 42-43. Feb. 1946. 47.8 K13
- 21065 WORTHINGTON, J. If you must breed poultry ... a system for the benefit of the general farmer who insists on breeding his own stock--with emphasis on the importance of strain. Farmers Weekly [London] 24(3): 37. Jan. 18, 1946. 10 F2226

#### Feeds and Feeding

- 21066 ALEXANDER, A. K. S. Digestive upsets may be caused by protein, perhaps too much of it in the mash, or rancid old animal matter may be responsible. Farmer & Stock-Breeder 60: 136. Jan. 15, 1946. 10 F228
- 21067 ALEXANDER, A. K. S. Fens or range? Farmer & Stock-Breeder 60: 184. Jan. 22, 1946. 10 F228  
As related to poultry feeding.
- 21068 ALMQUIST, H. J. Proteins and amino acid requirements of chickens. Feedstuffs 18(10): 32. Mar. 9, 1946. 286.81 F322
- 21069 B., M. Make hens eat more. Wallaces' Farmer and Iowa Homestead 71: 232. Mar. 2, 1946. 6 W15
- 21070 BETHKE, R. M. Special feeding for hatchability. Feedstuffs 18(3): 13. Jan. 19, 1946. 286.81 F322
- 21071 BIRTWISTLE, V. Feeding plan for winter eggs. Poultry [London] 98: 73. Jan. 29, 1946. 47.8 P869
- 21072 BOSSERT, A. Start feeding greens to your chicks when 10 days old. Poultry Farmer [London] 114(2956): 3. Feb. 15, 1946. 47.8 F312



- 21073 BROOMHEAD, W. W. Mixing a palatable mash. Poultry [London] 98: 56. Jan. 22, 1946. 47.8 P869
- 21074 BROOMHEAD, W. W. This domestic poultry keeper asks about feeding the chicks. Poultry [London] 98(3279): 24. Jan. 8, 1946. 47.8 P869
- 21075 BUTNER, E. E. Hard and soft wheats. So. African Poultry, Pigeon and Bird Mag. 51: 325. Dec. 1945. 47.8 So83  
As poultry feed.
- 21076 CHESBRO, M. D. Feed heavily for better eggs; pay particular attention to diet from November to April in order to keep brood fowl in good condition for laying season. Grit and Steel 47(10): 56. Feb. 1946. 47.8 G88
- 21077 CONRAD, F. High egg yields depend on heavy feed intake; good ration and plenty of it needed to bring out hen's inherited laying ability. Poultry Supply Dealer 23(3): 64-65. Mar. 1946. 47.8 B11
- 21078 F., M. G. Watering the hens. Rural New-Yorker 105: 220. Mar. 2, 1946. 6 R88
- 21079 FERGUSON, C. M. Poultry feeding problems. Feedstuffs 18(4): 18, 20, 22-25. Jan. 26, 1946. 286.81 F322
- 21080 FLOCK, L. V. Cheaper pullets; reduce growing costs one-fifth with Ladino clover pasture. Poultry Tribune 52(3): 14, 29-31. Mar. 1946. 47.8 F8642
- 21081 FOCHT, B. Why not feed as they lay? Ohio Farmer 197(6): 28-29. Mar. 16, 1946. 6 Oh3
- 21082 FOOD for domestic chicks; it's a matter of contriving, says "Domesticus." Mod. Poultry Keeping 54: 170. Feb. 27, 1946. 47.8 Eg3
- 21083 FROST, D. V., DAWN, F. P., and MCINTIRE, F. C. Adequacy of the known synthetic vitamins for normal feathering and pigmentation in chicks. Soc. Expt. Biol. and Med. Proc. 61(1): 65-69. Jan. 1946. 442.9 Sol
- 21084 GORDON, M. D. Helping chicks' diet. Field 187(4858): 136. Feb. 2, 1946. 10 F45
- 21085 HEAD, R. Raising baby chicks in 1946; feed is important in the development of flocks. Prod.-Consum. 11(7): 6, 12-13. Feb. 1946. 280.28 P942
- 21086 HOWES, H. Poultry food growing preparations complete the season's cropping plans. Mod. Poultry Keeping 54: 66-67. Jan. 23, 1946. 47.8 Eg3
- 21087 HUNTER, J. E. Soy meal in poultry feeding. Amer. Miller and Processor 74(1): 165. Jan. 1946. 280.8 Am32
- 21088 L., L. Hay is good for hens. Rural New-Yorker 105: 226. Mar. 2, 1946. 6 R88
- 21089 LUCAS, H. L. The animal protein factor for chickens. Flour & Feed 46(10): 13. Mar. 1946. 298.8 F66
- 21090 MCCLYMONT, G. L. The nutritional requirements of poultry; practical application of results of research. Agr. Gaz. N. S. Wales 57(1): 48, 50. (Cont.) Jan. 1946. 23 N472
- 21091 MAXWELL, M. Maximum feed consumption needed for full egg baskets. Fla. Poultryman and Stockman 12(3): 2-3. Mar. 1946. 47.8 F66
- 21092 MELASS, J. H., and SHERWOOD, R. M. Texas announces broiler feed tests. Southwest Poultryman 9(10): 8. Feb. 1946. 47.8 So86
- 21093 MORRIS, L. C. Water-soluble vitamins in poultry nutrition. Flour & Feed 46(10): 18. Mar. 1946. 298.8 F66
- 21094 OLSSON, N. Försök med tångmjöl som hönsefoder. Försök och Forskning 2: 182-183. Dec. 1945. 11 F77  
Use of seaweed as chicken feed.
- 21095 PARKES, A. S. Oestrogens for fattening poultry. Mod. Poultry Keeping 54: 174-175. Feb. 27, 1946. 47.8 Eg3
- 21096 PARKHURST, R. T. Feed breeders for better chicks. Hatchery Tribune 20(3): 24, 26-27. Mar. 1946. 47.8 H28
- 21097 PEROTTI, R. M. El maíz en la alimentación de las aves de corral. Rancho 2(4): 34-36. Feb. 1946. 8 R15R
- 21098 PRALL, P. A. Functions of grit. Poultry World 78: 51. Jan. 25, 1946. 47.8 P8682
- 21099 R., J. S. Feed for layers. Rural New-Yorker 105: 222. Mar. 2, 1946. 6 R88
- 21100 ROOME, C. A. When bullets hang fire a little extra stimulus is needed - add cod-liver oil to the meal. Farmer & Stock-Breeder 60: 184. Jan. 22, 1946. 10 F22E
- 21101 SHELTON, F. Let's teach them to eat; you can prevent that poult starvation mortality. Turkey World 21(2): 36-37, 76, 78-79. Mar. 1946. 47.38 T84
- 21102 TITUS, H. W. Dehydrated alfalfa meal adds to poultry feeds. Flour & Feed 46(10): 24, 26, 29, 37. Mar. 1946. 298.8 F66
- 21103 WALKER, A. Energy feeds. Poultry Farmer [London] 114(2956): 4. (Cont.) Feb. 15, 1946. 47.8 F312
- 21104 WINTERS, S. R. How much grass can laying hens eat? Amer. Poultry J., Cent. Ed. 77(3): 73. Mar. 1946. 47.8 Am32
- 21105 WORTHINGTON, J. Jim Worthington's school for servicemen; scruffy cocks. Poultry Farmer [London] 114(2952): 8. Jan. 18, 1946. 47.8 F312  
Chiefly on feeding.

#### Veterinary Medicine

- 21106 BAROTT, H. G., and PRINGLE, E. M. Energy and gaseous metabolism of the chicken from hatch to maturity as affected by temperature. J. Nutr. 31(1): 35-50. Jan. 10, 1946. 389.8 J82
- 21107 BEACH, J. R. Avian pneumoencephalitis. Calif. Cult. 93: 155-157. Mar. 2, 1946. 6 C12
- 21108 BLOUNT, W. P. Cure for B. W. D. is discovered. Poultry World 78: 104. Feb. 22, 1946. 47.8 P8682
- 21109 BLOUNT, W. P. Pullet disease puzzles scientists. Poultry World 78: 49. Jan. 25, 1946. 47.8 P8682
- 21110 BRIGGS, G. M. Nicotinic acid deficiency in turkey poult and the occurrence of perosis. J. Nutr. 31(1): 79-84. Jan. 10, 1946. Ref. 389.8 J82
- 21111 BROOMHEAD, W. W. Head-shaking among fowls. Poultry [London] 98: 40. Jan. 15, 1946. 47.8 P869
- 21112 BUSHNELL, L. D., and TWIEHAUS, M. J. Poultry disease control. Flour & Feed 46(10): 16-17. Mar. 1946. 298.8 F66
- 21113 CAMPBELL, J. G. Neoplastic disease of the fowl with special reference to its history, incidence and seasonal variation. J. Compar. Path. and Ther. 55: 308-321. Oct. 1945. Ref. 41.8 J82
- 21114 CHARLES, T. B. In the hormone field. New England Homestead 119(4): 16. Feb. 23, 1946. 6 N442
- Tests on poultry.
- 21115 CHASE, F. E., and WRIGHT, M. L. The occurrence and distribution of Salmonella types in fowl. I. Isolation from hens' eggs. Canad. J. Res. Sect. F, Technol. 24: 77-80. Jan. 1946. Ref. 470 C16F
- 21116 CLANDININ, D. R. Diseases of poultry. Alberta. U. Facul. Agr. B. 45, 63 p. Sept. 1945. 275.29 AL122
- 21117 CCLITS, J. D. W. A. Fowl typhoid, Salmonella gallinarum, Farming in So. Africa 21: 38-40. Jan. 1946. 24 So842
- 21118 CONNELL, R. Poultry diseases common to farm flocks. Canad. J. Compar. Med. 10: 42-48. Feb. 1946. 41.8 C162
- 21119 DEARSTYNE, R. S., BOSTIAN, C. H., and NESBIT, W. B. You can't prevent all deaths in turkey hens--but you can save yourself money. Res. and Farming. [N. C. Sta.] Prog. Rpt. 4(2): 3. Jan. 1946. 100 NB1R



- 21120 ERIKSEN, S. It's coccidiosis time again! Here are approved management suggestions for its effective prevention and control. Poultry Tribune 52 (3): 16, 31-32, 34. Mar. 1946. 47.8 P8642
- 21121 FARR, M. M., and WEHR, E. E. Sulfamerazine therapy in experimental cecal coccidiosis of chickens. J. Parasitol. 31: 353-358. Dec. 1945. Ref. 448.8 J824
- 21122 FLETCHER, D. E., and RIGDON, R. H. Neurologic manifestations associated with malaria in ducks. Arch. Neurol. and Psychiat. 55(1): 35-42. Jan. 1946. 448.8 Ar292
- 21123 FLOREAN, A. L., WEISS, A. B., and COUNCIL, F. E. Effect of large doses of streptomycin and influenza viruses on chick embryos. Soc. Expt. Biol. and Med. Proc. 61(1): 16-18. Jan. 1946. 442.9 Sol
- 21124 FRAPS, R. M., and NEHER, B. H. Interruption of ovulation in the hen by subcutaneously administered nonspecific substances. Endocrinology 37: 407-414. Dec. 1945. 448.8 En2
- 21125 FURNESS, T. L. Prophylactic vaccination against infectious laryngo-tracheitis [in poultry]. Austral. Vet. J. 21: 142-146. Oct./Dec. 1945. 41.8 Au72
- 21126 GENEST, P. Technique de prélèvement de sang chez la poule par la ponction cardiaque. Canad. J. Compar. Med. 10(1): 23-26. Jan. 1946. Ref. 41.8 Cl62
- 21127 GORDON, R. F. Fowl pox: control and prevention. Mod. Poultry Keeping 54: 26-27. Jan. 9, 1946. 47.8 Eg3
- 21128 GORDON, R. F. Respiratory diseases of the fowl--3-4. Mod. Poultry Keeping 54: 47, 86-87. Jan. 16, 30, 1946. 47.8 Eg3
- 21129 GRANGE, C. This is how I combat chick diseases - now. Smallholder 74(1873): 16. Feb. 8, 1946. 10 Sm1
- 21130 HORTON, D. H. Treatment for blue comb. Northeast. Poultryman 44(5): 10. Nov. 1945. 47.8 N44
- 21131 HURD, L. M. Dubbing cockerels. Northeast. Poultryman 44(5): 17. Nov. 1945. 47.8 N44
- 21132 JOHNSON, E. A. The problem of dermatitis in chicks. Coop. Poultryman 11(3): 15-16. Mar. 1946. 47.8 C782
- 21133 KAUFF, B. F. Prevent these diseases. Pacific Poultryman 50(3): 5, 12-14, 16. Mar. 1946. 47.8 Pl12
- Pullorum, paratyphoid.
- 21134 KELLEY, D. Villain in the brooder house! Here's how to recognize coccidiosis and what to do about it. Poultry Supply Dealer 23(2): 18-19. 74. Feb. 1946. 47.8 B11
- 21135 KING, D. F. Poultryman's medicine cabinet. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 95. Mar. 1946. 6 So81
- 21136 LAMBERT, H. Fowl paralysis more dangerous than steel; a straight-from-the-shoulder discussion of a tough problem; no cure or prevention found yet but disease may be arrested. Grit and Steel 47(10): 46-47. Feb. 1946. 47.8 G88
- 21137 LESTREM, A. Enfermedades de las aves; lesiones de las articulaciones. Mundo Avic. 8(94): 12. Dec. 1945. 47.8 M92
- Chiefly concerning arthritis.
- 21138 LODGE, C. How to prevent chick disease. Poultry Farmer [London] 114(2954): 8-9. Feb. 1, 1946. 47.8 F312
- 21139 MANN, T. B. Chick rearing. V-VIII. J. Agr. Sci. [London] 35: 207-235. Oct. 1945. Ref. 10 J822
- Contents: V. The influence of diet on epidemic bacillary white diarrhoea (pullorum disease), p. 207-213; VI. The bacterial syndrome encountered in epidemic bacillary white diarrhoea of chicks (pullorum disease), p. 214-224; VII. The control of epidemic bacillary white diarrhoea, p. 225-231; VIII. The preparation of a sensitive and diagnostic stained antigen for the rapid whole-blood test for bacillary white diarrhoea of chicks, p. 232-235.
- 21140 MULLEN, F. E. Sulfamerazine as a prophylactic in pullorum disease in poult. Amer. Vet. Med. Assoc. J. 108: 163-164. Mar. 1946. 41.8 Am3
- 21141 MUNRO, S. S., and KOSIN, I. L. Proof of the existence of pre-oviposital embryonic deaths in chickens and their bearing on the relation between 'fertility' and hatchability. Canad. J. Res. Sect. D, Zool. Sci. 23: 129-138. Dec. 1945. Ref. 470 Cl6D
- 21142 NICOL, G. Botulism in ducks and geese. Victoria. Dept. Agr. J. 44: 59-60. Feb. 1946. 23 V66J
- 21143 OLNEY, J. F. Erysipelas in turkeys. Norden News 20(1): 5. Jan./Feb. 1946. 41.8 N75
- 21144 PRALL, P. A. Ovarian disorders: their diagnosis, treatment and control. Poultry World 78: 79. Feb. 8, 1946. 47.8 P8682
- 21145 REID, W. M. Comparison between in vitro and in vivo glycogen utilization in the fowl nematode Ascaridia galli. J. Parasitol. 31: 406-410. Dec. 1945. Ref. 448.8 J824
- 21146 ROBERTSON, A., CAMPBELL, J. G., and GRAVES, D. N. Experimental zinc phosphide poisoning in fowls. J. Compar. Path. and Ther. 55: 290-300. Oct. 1945. 41.8 J82
- 21147 ROTHCHILD, I., and FRAPS, R. M. The relation between ovulation frequency and the incidence of follicular atresia following surgical operations in the domestic hen. Endocrinology 37: 415-430. Dec. 1945. 448.8 En2
- 21148 SCHROEDER, C. H. Science marches on; six-day chick disease. Pacific Poultryman 50(2): 4. Feb. 1946. 47.8 Pl12
- 21149 SELIGMANN, W., WASSERMANN, M., and SAPHRA, I. A new Salmonella type: Salmonella cubana. J. Bact. 51: 123-124. Jan. 1946. 448.3 J82
- In poultry.
- 21150 SILVEIRA, E. DE F. Moléstias dos pintos. Rev. Rural Bras. 25(304): 34-36, 38-40. (Cont.) Dec. 1945. 9.2 B733
- 21151 STRIKE, H. Inexplicable recurrence of B.W.D. [Pullorum disease]. Poultry World 78: 20. Jan. 11, 1946. 47.8 P8682
- 21152 SWALES, W. E. On the chemotherapy of caecal coccidiosis (Eimeria tenella) of chickens. II. Further studies on the use of drugs in established infections. Canad. J. Compar. Med. 10(1): 3-13. Jan. 1946. Ref. 41.8 Cl62
- 21153 THORP, W. T. S., FABRICANT, J., and LEARNED, M. Observations on the treatment of avian coccidiosis (cecal). Vet. Med. 41: 86-88. Mar. 1946. 41.8 M69
- 21154 TOMLEY, A. F. Coccidiosis debunked. Poultry Farmer [London] 114(2956): 8-9. Feb. 15, 1946. 47.8 F312
- 21155 TURNILL, L. Side-sprigs a fault? Poultry Farmer [London] 114(2956): 3. Feb. 15, 1946. 47.8 F312
- 21156 VANDERVOORT, J. What do you mean - leg weakness? C. L. F. Week. Serv. Sched. 10(37): 2. Mar. 18, 1946. 280.28 G113W
- Various chick diseases of which leg weakness may be a symptom.
- 21157 VAN ROEKEL, H. Infectious bronchitis and Newcastle disease. New England Homestead 119(3): 8-9. Feb. 9, 1946. 6 N442
- 21158 VAN ROEKEL, H. Respiratory infections in chickens. East. States Co-op. 21(11): 6-9, 15. Nov. 1945. 280.28 Ea7
- 21159 VAN ROEKEL, H. Time for turkey growers to declare war on disease. East. States Co-op. 21(12): 5. Dec. 1945. 280.28 Ea7
- Chiefly on pullorum infection.
- 21160 VICKERS, G. S. Combatting fowl pox menace in hatchery supply flocks. Poultry Supply Dealer 23(2): 48-49. Feb. 1946. 47.8 B11
- 21161 WALKER, A. My Cumberland holding--2. I get "blue-comb." Poultry Farmer [London] 114(2953): 4. Jan. 25, 1946. 47.8 F312



21162 WEHR, E. E., and FARR, M. M. Effect of sulfaguanidine on the course of infection in chickens with *Eimeria tenella*. J. Parasitol. 31: 359-365. Dec. 1945. 448.8 J824

### Miscellaneous

21163 ABBEY, A. J. Autosexing comments. Poultry Farmer [London] 114(2954): 3. Feb. 1, 1946. 47.8 F312

21164 ALTHOUSE, S. L. Boston shows its class; well balanced show, combining old and new, dished up for 20,000. Poultry Tribune 52(3): 18, 84-87. Mar. 1946. 47.8 P8642

21165 AMONG the Bantams; preparing stock for show, by "Duckwing." Poultry World 78: 96. Feb. 15, 1946. 47.8 P8682

21166 ARAGON LUYVA, P. Cria de patos y'gansos. Pancho 2(4): 14-17. Feb. 1946. 8 R15R

21167 ATKINSON, W. R. Simple recipes for winter laying. Poultry [London] 98(3279): 22. Jan. 8, 1946. 47.8 P869

21168 B., H. L. Cleanliness is part of disease prevention; some points that need careful watching. Mod. Poultry Keeping 54: 101. Feb. 6, 1946. 47.8 Eg3

21169 B., H. L. Hatching routine; fix certain days. Mod. Poultry Keeping 54: 129. Feb. 13, 1946. 47.8 Eg3

21170 B., H. L. No "blind" culling; seek the reason why. Mod. Poultry Keeping 54: 151. Feb. 20, 1946. 47.8 Eg3

21171 B., W. E. Points for poultry beginners. Rural New-Yorker 105: 217. Mar. 2, 1946. 6 R88

21172 BARLEY, H. D. Clean hatching eggs. Poultry World 78: 45. Jan. 25, 1946. 47.8 P8682

21173 BARLEY, H. D. Cooling cuts out weaklings. Poultry World 78: 17. Jan. 11, 1946. 47.8 P8682

Cooling eggs during incubation.

21174 BARLEY, H. D. Critics are answered [on early hatching]. Poultry World 78: 117. Mar. 1, 1946. 47.8 P8682

21175 BARLEY, H. D. Do we hatch too early? Poultry World 78: 101. Feb. 22, 1946. 47.8 P8682

21176 BARLEY, H. D. Exploding a rearing theory. Poultry World 78: 61. Feb. 1, 1946. 47.8 P8682

Effect of chilling on young chicks.

21177 BARLEY, H. D. First egg at 24 weeks. Poultry World 78: 129. Mar. 8, 1946. 47.8 P8682

21178 BARLEY, H. D. Is early hatching a handicap? Poultry World 78: 73. Feb. 8, 1946. 47.8 P8682

21179 BLACK, L. M. Of course you can grow turkeys. N. J. Farm and Gard. 17(3): 40-41. Mar. 1946. 6 G162

21180 BLACKWELL, H. L. Free range. Mod. Poultry Keeping 54: 152. Feb. 20, 1946. 47.8 Eg3

21181 BLACKWELL, H. L. Pedigree routine in incubator house. Mod. Poultry Keeping 54: 21. Jan. 9, 1946. 47.8 Eg3

21182 BLACKWELL, H. L. Rearers should study chick instincts. Mod. Poultry Keeping 54: 46-47. Jan. 16, 1946. 47.8 Eg3

21183 BLACKWELL, H. L. Skilled rearing will reduce culling. Mod. Poultry Keeping 54: 107. Feb. 6, 1946. 47.8 Eg3

21184 BOSSERT, A. How I can rear uniform chicks. Poultry Farmer [London] 114(2954): 3; (2955): 3. (Cont.) Feb. 1, 8, 1946. 47.8 F312

Title varies slightly.

21185 BOYD, J. E. Poultry problems.. Dakota Farmer 66(5): 11. Mar. 2, 1946. 6 D14

Disease control and breeding improvement under the National Poultry Improvement Plan.

21186 BROADBENT, J. S. Egg thieves. Poultry Farmer [London] 114(2952): 9. Jan. 18, 1946. 47.8 F312

Ridding farms of pests.

21187 A BROODY hen for day-olds; certain "formalities" must be observed, says "Domesticus." Mod. Poultry Keeping 54: 124. Feb. 13, 1946. 47.8 Eg3

21188 BRUCKNER, J. H. Grade your pullets. Northeast. Poultryman 44(5): 6. Nov. 1945. 47.8 M44

21189 BURTON, F. Keeping them happy, healthy and contented pullets will fulfill their initial promise of high egg-yields. Poultry World 78: 23. Jan. 11, 1946. 47.8 P8682

21190 C., H. Growth checks to chicks; dangers of over-exposure. Mod. Poultry Keeping 54: 128. Feb. 13, 1946. 47.8 Eg3

21191 C., H. Litter-eating birds; causes of depraved appetites. Mod. Poultry Keeping 54: 42. Jan. 16, 1946. 47.8 Eg3

21192 C., O. Chicks and their care. Rural New-Yorker 105: 216. Mar. 2, 1946. 6 R88

21193 C., O. Cleanliness always pays in poultry care. Rural New-Yorker 105: 258. Mar. 16, 1946. 6 R88

21194 C., O. Curbing cannibalism. Rural New-Yorker 105: 261. Mar. 16, 1946. 6 R88

21195 CARTWRIGHT, H. From incubator to brooder. Poultry World 78: 50. Jan. 25, 1946. 47.8 P8682

21196 CHARLES, T. B. Turkey production. Rural New-Yorker 105: 260-261. Mar. 16, 1946. 6 R88

21197 CLINTON, H. F. Chick sexing; results of examinations. Victoria. Dept. Agr. J. 44: 24-27. Jan. 1946. 23 V66J

21198 COLLINSON, H. Breeders who lag behind. Mod. Poultry Keeping 54: 86. Jan. 30, 1946. 47.8 Eg3

Suggestions on care of commercial poultry.

21199 COLLINSON, H. Indoors or outdoors? Poultry Farmer [London] 114(2956): 3. Feb. 15, 1946. 47.8 F312

Chick rearing.

21200 COLLINSON, H. Keep culling. Mod. Poultry Keeping 54: 174. Feb. 27, 1946. 47.8 Eg3

21201 COLLINSON, H. Moisture maintenance during incubation. Mod. Poultry Keeping 54: 106-107. Feb. 6, 1946. 47.8 Eg3

21202 COLLINSON, H. Poultry keeping demands patience and common sense. Mod. Poultry Keeping 54: 128-129. Feb. 13, 1946. 47.8 Eg3

A typical Yorkshire poultry farm.

21203 COLLINSON, H. Short-term trapping. Mod. Poultry Keeping 54: 151. Feb. 20, 1946. 47.8 Eg3

21204 COLLINSON, H. Some help for ex-servicemen who want to become poultry farmers. Mod. Poultry Keeping 54: 66-67. Jan. 23, 1946. 47.8 Eg3

21205 CONRAD, F. Rochester Chick Hatchery sterilizes with steam. Poultry Supply Dealer 23(2): 24-25. Feb. 1946. 47.8 B11

Includes a description of the hatchery.

21206 COZZENS, F. R. Frightened chicks make nervous hens. Amer. Poultry J., Cent. Ed. 77(3): 51. Mar. 1946. 47.8 Am32

21207 CUIDADO de las aves durante el verano. By Artemio. Mundo Avic. 8(94): 4-6. Dec. 1945. 47.8 M92

21208 CUSHMAN, H. E. What to do when the chicks come. Mont. Farmer 33(13): 1, 24. Mar. 1, 1946. 6 M764

21209 DAKAN, E. L. Getting down to brass tacks about this chick raising business. Ohio Farmer, Consolidated with Ohio Stockman and Farmer 197(4): 28. Feb. 16, 1946. 6 Oh3

21210 DANKERS, W. H. Expansion in Minnesota egg and poultry production. Minn. U. Agr. Ext. Farm Business Notes, No. 277, p. 3. Jan. 28, 1946. 275.29 M663

21211 DE KRUIJF, P. And now...the hybrid chicken. Country Gent. 116(3): 20, 63-65. Mar. 1946. 6 C833

21212 A DOMESTIC cockerel complex; "guaranteed not sexed" means what it says. By Domesticus. Mod. Poultry Keeping 54: 102. Feb. 6, 1946. 47.8 Eg3

- 21213 DORO, G. Streamlined poultry farm pays. Amer. Poultry J., Cent. Ed. 77(3): 42-43. Mar. 1946. 47.8 Am32
- 21214 DOWNER, M. C. Turkeys come back to Arkansas. Farm and Ranch 65(3): 42. Mar. 1946. 6 T31
- 21215 DUMAINE, H. Aviculture 1946 [Canada]. Rev. d'Oka 20: 17-19. Jan./Feb. 1946. 7 Ok1
- 21216 FARNSWORTH, MRS. H. Turkeys lighten the work. Mo. Ruralist 87(4): 19. Feb. 23, 1946. 6 R8891
- 21217 FARNSWORTH, MRS. H. We may reduce too much. Mo. Ruralist 87(5): 22. Mar. 9, 1946. 6 R8891
- Poultry care.
- 21218 FLOREA, J. H. Let's visit the Pohms; here is a poultry farm which sells direct and truly meets the goal of "Five Acres and Independence." Poultry Tribune 52(3): 15, 22-27. Mar. 1946. 47.8 P8642
- 21219 GORDON, M. D. Eggs for incubation. Field 187: 282. Mar. 9, 1946. 10 F45
- 21220 GRANGE, C. How can we find the small egg layers? Smallholder 74(1872): 14. Feb. 1, 1946. 10 Sml
- 21221 CUTTRIDGE, G. Producing petit poussin. Poultry Farmer [London] 114(2951): 3. Jan. 11, 1946. 47.8 F312
- On care.
- 21222 H., H. All ready for the first turkey eggs. Mod. Poultry Keeping 54: 152-153. Feb. 20, 1946. 47.8 Eg3
- 21223 H., H. First chick cull--before they leave the incubator. Smallholder 74(1874): 14. Feb. 15, 1946. 10 Sml
- 21224 H., H. Incubation starts before the egg is laid. Smallholder 74(1871): 15. Jan. 25, 1946. 10 Sml
- 21225 HANNAS, R. R. Brooding briefs. Amer. Poultry J., Cent. Ed. 77(3): 3, 38-41. Mar. 1946. 47.8 Am32
- 21226 HARDISTRY, R. J. Table pointers: indications of readiness for killing. Poultry World 78: 45. Jan. 25, 1946. 47.8 P8682
- 21227 HART, L. Sanitation on the poultry farm; its value in disease control. Agr. Gaz. N. S. Wales 57(1): 39-41. Jan. 1946. 23 N472
- 21228 HAYES, J. B. Winter layers need extra care. Wis. Agr. Farmer 73(4): 28-29. Feb. 16, 1946. 6 W751
- 21229 HERTEL, J. P. Poultry primer for beginners. Pacific Rural Press, South. Ed. 151: 168. Feb. 16, 1946. 6 P112A
- 21230 HIRSCH, A. PENB [Poultry and Egg National Board] looks to future with confidence. Poultry Supply Dealer 23(2): 16, 66-67. Feb. 1946. 47.8 B11
- 21231 HOWES, H. Give the geese some good nesting space; get it ready before the first eggs come. Mod. Poultry Keeping 54: 106-107. Feb. 6, 1946. 47.8 Eg3
- 21232 HOWES, H. Knowing where you stand; the great advantage of the sex-link is that at each hatch one can immediately see the proportion of cockerels to pullets and regulate incubation accordingly. Farmers Weekly [London] 24(4): 43. Jan. 25, 1946. 10 F2326
- 21233 HOWES, H. Now let us look over the breeding birds. Smallholder 74(1874): 14. Feb. 15, 1946. 10 Sml
- Examination for culling.
- 21234 HOWES, H. Only the good duck eggs deserve to be incubated. Mod. Poultry Keeping 54: 128-129. Feb. 13, 1946. 47.8 Eg3
- 21235 HURD, L. M. Notes on preventing damp litter. Northeast. Poultryman 44(5): 16. Nov. 1945. 47.8 N44
- 21236 IDEA for domestic shows. By Domesticus. Mod. Poultry Keeping 54: 62. Jan. 23, 1946. 47.8 Eg3
- 21237 KENNEY, S. M. A day with my chickens. Rural New-Yorker 105: 217. Mar. 2, 1946. 6 R88
- 21238 KING, D. F. A successful broiler raiser. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 94. Mar. 1946. 6 So81
- 21239 KING, D. F. What's the limit in layers? Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(2): 83. Feb. 1946. 6 P44K
- 21240 KLEIN, G. T. How New England broods its poult; turkey growers constantly are trying new ideas and discarding those that do not prove successful. Turkey World 21(2): 18-19, 95-97. Mar. 1946. 47.38 T84
- 21241 KLEIN, G. T. Poultry management--today--tomorrow. Northeast. Poultryman 44(5): 19. Nov. 1945. 47.8 N44
- 21242 LEUSCHNER, F. H. The all-pullet flock; egg yield is higher, and plan results in better meat prices. Everybodys Poultry Mag. 50(11): 7, 32-33. Dec. 1945. 47.8 F213P
- 21243 LITHGOW, J. R. Hatching shop eggs. Poultry Farmer [London] 114(2952): 9. Jan. 18, 1946. 47.8 F312
- 21244 LLOYD-THOMAS, W. Goose keeping without houses. Mod. Poultry Keeping 54: 127. Feb. 13, 1946. 47.8 Eg3
- 21245 LODGE, C. Broody hatching failures. Poultry Farmer [London] 114(2956): 8. Feb. 15, 1946. 47.8 F312
- 21246 LODGE, C. Incubation of duck and goose eggs. Poultry Farmer [London] 114(2955): 8-9. Feb. 8, 1946. 47.8 F312
- 21247 LODGE, C. Making artificial incubation sure. Poultry Farmer [London] 114(2953): 8. Jan. 25, 1946. 47.8 F312
- 21248 MCCONAGHEY, J. A. B. Routine rearing of battery pullets. Poultry Farmer [London] 114(2953): 3. Jan. 25, 1946. 47.8 F312
- 21249 MALAN, J. J. Behandelings van kuikens op vryweiding. So. African Poultry, Pigeon and Bird Mag. 52: 36. Feb. 1946. 47.8 So83
- Poultry on the range.
- 21250 MINER, B. B. Rat heaven; they enjoyed life while poultryman paid the feed bill. Esso Farm News 5(1): 14-15. Jan. 1946. 6 Es72
- 21251 MITCHELL, J. Folds in frost. Poultry Farmer [London] 114(2952): 3. Jan. 18, 1946. 47.8 F312
- 21252 MOORE, A. C. Costly sport--for poultry keepers. Poultry [London] 98: 70. Jan. 29, 1946. 47.8 P869
- Foxes as predators of poultry.
- 21253 MOORE, A. C. Look after your stock geese. Poultry [London] 98(3279): 22. Jan. 8, 1946. 47.8 P869
- 21254 MOORE, A. C. Now's the time to encourage table production. Poultry [London] 98: 38. Jan. 15, 1946. 47.8 P869
- 21255 MOORE, A. C. When to wean chickens from heat. Poultry [London] 98: 118. Feb. 19, 1946. 47.8 P869
- 21256 MOORE, C. Brooding baby chicks. Ala. Farmer 14(3): 5. Feb. 1946. 276.8 ALL
- 21257 MOORE, C. K. Chickens require summer shelter. Fla. Grower 54(1): 19, 22. Jan. 1946. 50 F6622
- 21258 MORRIS, L. For early layers. Mont. Farmer 33(13): 12. Mar. 1, 1946. 6 M764
- Hatching time.
- 21259 MOSELEY, R. S. Human factor at laying tests. Hatchery Tribune 20(3): 28-29, 100-102. Mar. 1946. 47.8 H28
- 21260 NEWMAN, T. Best months for hatching. Mod. Poultry Keeping 54: 175. Feb. 27, 1946. 47.8 Eg3
- 21261 NEWMAN, T. The egg flow. Mod. Poultry Keeping 54: 129. Feb. 13, 1946. 47.8 Eg3



- 21262 NEWMAN, T. Egg rules. Mod. Poultry Keeping 54: 106. Feb. 6, 1946. 47.8 Eg3
- 21263 NEWMAN, T. Five factors chick rearers should study. Mod. Poultry Keeping 54: 152. Feb. 20, 1946. 47.8 Eg3
- 21264 NEWMAN, T. 'Ware excess. Mod. Poultry Keeping 54: 46. Jan. 16, 1946. 47.8 Eg3
- Infertility; feeding.
- 21265 NOLL, M. Less work, more eggs; labor-saving devices on Iowa farms. Wallaces' Farmer and Iowa Homestead 71: 234-235. Mar. 2, 1946. 6 W15
- 21266 OFFICIAL 1944-1945 flock records of U. S. Record of Performance breeders. Hatchery Tribune 20(3): 81-85. Mar. 1946. 47.8 H28
- 21267 OGLE, R. C. Keeping up [egg] production. Breeder's Gaz. 111(3): 12-13. Mar. 1946. 49 B74
- 21268 OUR POULTRY of tomorrow; aims and goals of midwestern agricultural colleges. Nebr. Farmer 88 (4): 34, 38. Feb. 16, 1946. 6 N27
- Reports on developments in poultry raising by F. E. Mussehl, L. F. Payne, and W. Kohlmeier.
- 21269 P., A. J. More eggs; late starters now pulling their weight. Poultry World 78: 61. Feb. 1, 1946. 47.8 P8682
- 21270 P., B. Taking care of the turkeys. Rural New-Yorker 105: 223. Mar. 2, 1946. 6 R88
- 21271 P., B. Tips for raising poultry. Rural New-Yorker 105: 224. Mar. 2, 1946. 6 R88
- 21272 PARISH, A. J. Individual recording; simple system for the small plant. Poultry World 78: 134. Mar. 8, 1946. 47.8 P8682
- 21273 PERRY, F. S. Pointers for successful spring brooding schedule. Fla. Poultryman and Stockman 12: 18-19. Mar. 1946. 47.8 F66
- 21274 PHILLIPS, R. S. It's tone that counts: surest way to get those eggs. Poultry World 78: 129. Mar. 8, 1946. 47.8 P8682
- 21275 PICKARD, B. DE H. The future of the laying tests. Mod. Poultry Keeping 54: 46-47. Jan. 16, 1946. 47.8 Eg3
- 21276 POWELL-OWEN, W. Be fancy-conscious; exhibition breeders have something to teach pedigree men about cockerel-box and show-pen facilities. Poultry World 78: 96. Feb. 15, 1946. 47.8 P8682
- 21277 POWELL-OWEN, W. Eyes on the eggs; give credit to the layer of produce with perfect shell, size and texture. Poultry World 78: 68. Feb. 1, 1946. 47.8 P8682
- 21278 POWELL-OWEN, W. Type and production; dual qualities sacrificed for eggs alone. Poultry World 78: 33, 40. Jan. 16, 1946. 47.8 P8682
- 21279 PRALL, P. A. Incubating duck eggs; before setting, a careful candling will reveal haircracks and broken air cells. Poultry World 78: 135. Mar. 8, 1946. 47.8 P8682
- 21280 RECENT findings in poultry research. Calif. Cult. 93: 122-123. Feb. 16, 1946. 6 C12
- 21281 RIVAS D., R. Selección de huevos para incubar. Rancho 2(4): 37-38. Feb. 1946. 8 R15R
- 21282 RODRIGUEZ GRECA, D. R. Las palomas mensajeras y los viajes de ida y vuelta. Mundo Avic. 8 (94): 32-33. Dec. 1945. 47.8 M92
- 21283 ROOME, C. A. Plan for more birds. Farmer & Stock-Breeder 60: 276. Feb. 5, 1946. 10 F228
- 21284 SCHARRING-HAUSEN, R. L. Baby chicks for '46. Pa. Farmer 134: 146-148. Feb. 23, 1946. 6 P383
- 21285 SHOEMAKER, A. Let's talk ducks. Prog. Farmer, Car.-Va. Ed. 61(3): 90-91. Mar. 1946. 6 P945
- On care.
- 21286 SHOTTER, R. Simplest trapping. Poultry Farmer [London] 114(2953): 3. Jan. 25, 1946. 47.8 F312
- 21287 SMALL, M. C. A break in red bean prices turned Granlees to turkeys. Turkey World 21(2): 16-17, 79-83. Mar. 1946. 47.38 T84
- California turkey ranch.
- 21288 SMALL, M. C. Kaisers found gold in turkeys; they searched for treasure in the ground but found it in turkeys. Turkey World 20(12): 14-15, 91-93. Dec. 1945. 47.38 T84
- 21289 SMITH, E. Y. Turkeys are not hard to raise. Amer. Poultry J., Cent. Ed. 77(3): 5, 24-26. Mar. 1946. 47.8 Am32
- 21290 SODERBERG, P. M. The bare facts. Poultry Farmer [London] 114(2954): 9. Feb. 1, 1946. 47.8 F312
- Hints on culling.
- 21291 SODERBERG, P. M. Chick troubles. Poultry Farmer [London] 114(2955): 9. Feb. 8, 1946. 47.8 F312
- 21292 STRIGHT, H. L. \$3 profit per bird made on a suburban flock; how and why an all-family project adds a nice sum to each year's income. Poultry Herald 58(3): 5-6. Mar. 1946. 47.8 P862
- 21293 TAYLOR, M. W. Sex-linkage and auto-sexing. Mod. Poultry Keeping 54: 156. Feb. 20, 1946. 47.8 Eg3
- 21294 TOMEY, A. F. Culling is not only to remove duds. Poultry Farmer [London] 114(2955): 8. Feb. 8, 1946. 47.8 F312
- 21295 URS, B. Farm poultry records. Mont. Farmer 33(13): 7. Mar. 1, 1946. 6 M764
- 21296 VAILLANCOURT, R. Ultraviolet speeds growth in chicks; irradiated birds weigh over three pounds at 12 weeks, California producers say. Pacific Poultryman 50(2): 25. Feb. 1946. 47.8 P112
- 21297 VICKERS, G. S. The why and how of the National Poultry Improvement Plan. Poultry Tribune 52(2): 16, 36-39. Feb. 1946. 47.8 P8642
- 21298 VIEGAS AURELIO, J. L. Importancia de la profilaxis en la explotación avícola. Mundo Avic. 8(94): 16, 23. Dec. 1945. 47.8 M92
- Sanitation.
- 21299 VONDELL, J. H. Broiler qualities. Everybodys Poultry Mag. 50(10): 4. Nov. 1945. 47.8 F213P
- 21300 VONDELL, J. H. Start chicks right. Pacific Poultryman 50(3): 4. Mar. 1946. 47.8 P112
- 21301 WALKER, A. Accredited flocks on general farms. Poultry Farmer [London] 114(2954): 4. Feb. 1, 1946. 47.8 F312
- 21302 WEAVER, L. E. Poultrymen must decide! Amer. Agr. 143: 120-122. Mar. 2, 1946. 6 Am3
- Relates to size and care of flock.
- 21303 WHEELDON, H. G. Care of young stock in hot weather. Rhodesia Agr. J. 42: 391-393. Sept./Oct. 1945. 24 R34
- 21304 WILKINSON, J. F. How much rent for egg production. Hoard's Dairyman 91: 224. Mar. 10, 1946. 44.8 M65
- Poultry care for high production.
- 21305 WILSON, B. How we brood our poults on Poultry Tribune and Turkey World Exp't farm. Turkey World 21(2): 30-32, 34. Mar. 1946. 47.38 T84
- 21306 WILSON, W. O. Rules of thumb for turkey growers. Turkey World 21(2): 102. Mar. 1946. 47.38 T84
- 21307 WINDER, S. S. Grow your own dinners. Poultry [London] 98: 118. Feb. 19, 1946. 47.8 P869
- Geese.

## RABBITS

Breeds and Breeding

- 21308 ALLEN, J. Registering Angoras for wool production. Small Stock Mag. 30(2): 25. Feb. 1946. 48.8 P442
- 21309 BARNUM, C. Tips for Angora beginners. Standard Rabbit J. 19(6): 3. Mar. 1946. 40.28 St2
- 21310 BENEDICT, MRS. P. F. Rex standard revision. Amer. Small Stock Farmer 30(6): 6. Mar. 1946. 48.8 J82



- 21311 BLAKE, R. Chinchilla Rex's popularity. Poultry World 78: 123. Mar. 1, 1946. 47.8 P8682
- 21312 BRENNEN, J. Commercial rabbit breeders. Small Stock Mag. 30(3): 10. Mar. 1946. 48.8 P442
- 21313 DAVIS, F. F. The Angora standards. Small Stock Mag. 30(2): 57. Feb. 1946. 48.8 P442
- 21314 FAWCETT, C. The proposed New Zealand standard. Rabbit Raiser 1(6): 10. Mar. 1946. 40.28 R11
- 21315 GORDON, M. D. Clipping Angoras. Field 187: 195. Feb. 16, 1946. 10 F45
- 21316 HOUGH, B. V. Future plans. Small Stock Mag. 30(2): 9. Feb. 1946. 48.8 P442
- American Chinchilla Rabbit Breeders Association.
- 21317 KISKEY, F. E. The genetical background of rabbit breeding. VII. How can we breed for color and weight at the same time? Small Stock Mag. 30(3): 17, 44-45. Mar. 1946. 48.8 P442
- 21318 LOWIT, J. C. The New Zealand White standard. Small Stock Mag. 30(2): 14. Feb. 1946. 48.8 P442
- 21319 MATAHOROS PAVIA, E. C. La crianza del conejo beneficia al agricultor. Cuba. Min. de Agr. Almanaque (1946) 2: 190-195. 8 C896
- Breeding research.
- 21320 MILLER, B. A. Open the door. Small Stock Mag. 30(3): 48. Mar. 1946. 48.8 P442
- Rabbit breeding for veterans.
- 21321 PATWORTH, D. Clipping Angoras. Poultry [London] 98(3279): 25. Jan. 8, 1946. 47.8 P869
- 21322 PATWORTH, D. If you need fur and meat. Poultry [London] 98: 121. Feb. 19, 1946. 47.8 P869
- Rabbit breeding.
- 21323 PINE, C. A. Views on the New Zealand Red standard. Small Stock Mag. 30(2): 46. Feb. 1946. 48.8 P442
- 21324 SELDON, W. A. My idea on raising Flemish. Small Stock Mag. 30(3): 32C. Mar. 1946. 48.8 P442
- 21325 SIDNEY, E. M. Breeding rabbits; starts next month. Poultry Farmer [London] 114(2953): 11. Jan. 25, 1946. 47.8 F312
- 21326 SIGMOND, P. N. The Angora wool rabbit. Amer. Small Stock Farmer 30(6): 18. Mar. 1946. 48.8 J82
- 21327 TREMEKE, R. L. How to produce "just a meat rabbit." Amer. Rabbit J. 15: 83. Nov./Dec. 1945. 40.28 Am3
- 21328 VALUCH, S. The Chinchilla gap. Small Stock Mag. 30(3): 46. Mar. 1946. 48.8 P442
- 21329 WEBB, W. H. About Angora show standards. Calif. Rabbits Mag. 9(7): 6. Feb. 1946. 40.28 Sa5
- Also in Small Stock Mag. 30(3): 22. Mar. 1946. 48.8 P442
- 21330 WEST, J. R. Why show our Angoras? Small Stock Mag. 30(2): 57. Feb. 1946. 48.8 P442
- 21331 WEYGANDT, A. The proposed New Zealand Red standard. Small Stock Mag. 30(3): 32B. Mar. 1946. 48.8 P442

#### Feeds and Feeding

- 21332 BLAKE, R. Feeding the rabbits; spring takes a hand. Poultry World 78: 39. Jan. 18, 1946. 47.8 P8682
- 21333 BLAKE, R. Once daily feeding [of rabbits]. Poultry World 78: 80. Feb. 8, 1946. 47.8 P8682
- 21334 GOODCHILD, C. How much food to buy; how to start keeping rabbits without capital. Poultry Farmer [London] 114(2956): 11. (Cont.) Feb. 15, 1946. 47.8 F312
- 21335 PATWORTH, D. A few tips on mixing the rabbits' mash. Poultry [London] 98: 41. Jan. 15, 1946. 47.8 P869
- 21336 SNOW, C. F. Right feeding prevents rabbit losses. Mod. Poultry Keeping 54: 69. Jan. 23, 1946. 47.8 Eg3
- 21337 WOLTER, C. Calcium, phosphorus and vitamin D for rabbits. Small Stock Mag. 30(2): 42. Feb. 1946. 48.8 P442

#### Veterinary Medicine

- 21338 ALDOUS, S. E., and MARSHALL, W. H. Rabbits can be successfully kindled during the winter months even in our cold climate. Amer. Small Stock Farmer 30(6): 4. Mar. 1946. 48.8 J82
- Also in Small Stock Mag. 30(3): 18. Mar. 1946. 48.8 P442
- 21339 ROY, G., and CHEY'CL, J. Métabolisme de base chez le lapin suivant l'âge. Soc. de Chiv. Biol. B. 27: 105-111. Jan./Mar. 1945. 383 Sol
- 21340 SAWIN, P. B., and HULL, I. B. Morphogenic studies of the rabbit. II. Evidence of regionally specific hereditary factors influencing the extent of the lumbar region. J. Morph. 78(1): 1-26. Jan. 1946. Ref. 444.8 J826
- 21341 SNOW, C. F. Some does are so difficult! When their litters are due, such does need careful handling. Smallholder 74(1872): 20. Feb. 1, 1946. 10 Sml
- 21342 TEMPLETON, G. S. Spotted livers in rabbits. Amer. Rabbit J. 15: 83-84. Nov./Dec. 1945. 40.28 Am3
- Coccidiosis.
- Also in Rabbit Raiser 1(5): 7. Feb. 1946. 40.28 R11

#### Miscellaneous

- 21343 BJORKEN, A. Selecting best fur at shows. Calif. Rabbits Mag. 9(7): 15. Feb. 1946. 40.28 Sa5
- 21344 BLAKE, R. Early litter losses. Poultry World 78: 53. Jan. 25, 1946. 47.8 P8682
- On care of rabbits.
- 21345 BLAKE, R. Under intensive conditions. Poultry World 78: 25. Jan. 11, 1946. 47.8 P8682
- Advantage of indoor rabbitry.
- 21346 BLAKE, R. Wholtime rabbit-keeping; some advice for beginners. Poultry World 78: 137. Mar. 8, 1946. 47.8 P8682
- 21347 KEMP, E. Thoughts on rabbit standards. Small Stock Mag. 30(2): 4, 57. Feb. 1946. 48.8 P442
- 21348 PARRISH, W. E. Part time rabbit farming. 3-5. Poultry Farmer [London] 113(2948): 11; (2949): 11; 114(2950): 11. Dec. 21, 28, 1945, Jan. 4, 1946. 47.8 F312
- Title varies.
3. Choosing your breed; 4. Clean out: once or twice? 5. I feed wet grass.
- 21349 PATWORTH, D. Here's a way to supplement your meat ration. Poultry [London] 98: 57. Jan. 22, 1946. 47.8 P869
- Rabbits.
- 21350 RIPSINSKI, J. F. A commercial rabbitry. Calif. Rabbits Mag. 9(7): 11. Feb. 1946. 40.28 Sa5
- 21351 SNOW, C. F. Tardy rabbit moulters. Mod. Poultry Keeping 54: 29. Jan. 9, 1946. 47.8 Eg3
- 21352 TEMPLETON, G. S. Preventing cannibalism in rabbits. Rabbit Raiser 1(6): 14. Mar. 1946. 40.28 R11
- 21353 WILSON, W. K. Rabbits; make your children interested. Poultry Farmer [London] 114(2952): 11. Jan. 18, 1946. 47.8 F312

#### SHEEP AND GOATS

##### Breeds and Breeding

- 21354 ASHTON, J. D. T. Jones, club boys' friend, bred quality sheep. Sheep and Goat Raiser 26(6): 24-25. Mar. 1946. 45.8 Sh3
- 21355 BACNALL, MRS. N. This matter of kid mating. Smallholder 74(1873): 23. Feb. 8, 1946. 10 Sml
- 21356 BELL, D. S. Trying out Columbia sheep; Ohio Station has test flock of new breed. Ohio Farmer 197: 16. Mar. 2, 1946. 6 Oh3



- 21357 CHANG, M. C. The sperm production of adult rams in relation to frequency of semen collection. J. Agr. Sci. [London] 35: 243-246. Oct. 1945. 10 J822
- 21358 CLARK, R. T. Better range sheep. Mont. Wool Grower 20(2): 15, 26-27; (3): 7, 26-27. Feb., Mar. 1946. 45.8 M762
- Chiefly on breeding.
- 21359 FRASER, A. Butterflies and sheep. Farmer & Stock-Breeder 60: 177. Jan. 22, 1946. 10 F228

Breeding age of hill sheep in Great Britain.

- 21360 HAZEL, L. N., and TERRILL, C. E. Heritability of type and condition in range Rambouillet lambs as evaluated by scoring. J. Anim. Sci. 5(1): 55-61. Feb. 1946. 49 J82

- 21361 HOCKLEY, J. Points to seek in the Border [Leicester]; all breeding not in head and legs. Farmer and Settler 40, i.e. 39(44): 8. Nov. 30, 1945. 23 F226

- 21362 JOHNSON, L. Golden Ramstetter rams. West. Farm Life 48(5): 24, 31. Mar. 1, 1946. 6 R153

Outstanding Corriedale flock.

- 21363 LANE, L. How to raise a fur coat, Karakul sheep. Country Gent. 116(3): 26-27, 134-136. Mar. 1946. 6 C833

- 21364 OSIPOV, M. Ovtsevodstvo v SSHA [Sheep breeding in USA]. Sovkhoz. Proizvod. 5(8/9): 48-49. Aug./Sept. 1945. 20 So85

- 21365 PHILLIPS, R. W., SCHOTT, R. G., and SPENCER, D. A. The multilipp [sic] trait in sheep. J. Hered. 37(1): 19-26. Jan. 1946. Ref. 442.8 Am3

- 21366 ROCHAT, E. M. Swiss Alpines informally. Amer. Dairy Goat News 7(9): 3. Mar. 1946. 40.18 Am34

- 21367 S., T. J. Karakul sheep. Rural New-Yorker 105: 212. Mar. 2, 1946. 6 R88

- 21368 SANDERSON, C. J. Fertility in sheep; part played by nutrition, paddock conditions, fly strike, droving, etc. Land [Sydney] No. 1774, p. 11. Nov. 25, 1945. 23 L22

- 21369 SANDISON, I. E. M. Improvement of Shetland sheep. Scot. J. Agr. 25: 223-225. Jan. 1946. 10 Sco82So

#### Feeds and Feeding

- 21370 ANDREWS, E. D., and CUNNINGHAM, I. J. The vitamin D requirement of the sheep. New Zeal. J. Sci. and Technol. 27: 223-230. Oct. 1945. Ref. 514 N48A

- 21371 ATCHISON, C. Way to success in your lamb feeding. Sheep and Goat Raiser 26(6): 16. Mar. 1946. 45.8 Sh3

- 21372 JOHNSTON, A. Producing lambs and wool on range. Natl. Live Stock Prod. 24(6): 13, 22. (Cont.) Mar. 1946. 280.38 N21

Includes shearing.

- 21373 KLOSTERMAN, E. W., and WILLMAN, J. P. Cobalt as a supplement to rations for lambs. Feedstuffs 18(3): 39. Jan. 19, 1946. 286.81 F322

- 21374 POPE, A. L. Many Wisconsin sheep need cobalt. Wool News 11(7): 4-5. Feb. 1946. 280.28 W882

- 21375 RECORD, R. P. Successful feeding of sheep. Amer. Miller and Processor 74(1): 179. Jan. 1946. 280.8 Am32

Soybean meal.

- 21376 SHREWSBURY, C. L., HARPER, C., and ANDREWS, F. N. Nutritive requirements of breeding ewes for maintenance, lactation and growth. J. Anim. Sci. 5(1): 47-54. Feb. 1946. 49 J82

- 21377 SIMS, H. J., and WEBB, C. G. Sheep feeding test. Victoria. Dept. Agr. J. 44: 1-2. Jan. 1946. 23 V66J

- 21378 STANFORD, T. C. Better sheep from soil conservation. Farm and Ranch 65(3): 22-23. Mar. 1946. 6 T31

- 21379 WILSON, C. V. Creep feed early lambs. South. Planter 107(3): 8. Mar. 1946. 6 So89

#### Veterinary Medicine

- 21380 BOEV, S., and RED'KO, A. Effektivnost' fenotiazina pri dikrokoelioze i eurytrematoze [The effectiveness of phenothiazine in the therapy of dicrocoeliosis and eurytrematosis]. Vsesoizn. Akad. Sel'skokhoz. Nauk. im. V. I. Lenina. Dok. 10(7/8): 46-47. 1945. 20 Akl

Dicrocoelium lanceatum and Eurytrema pancreaticum in sheep.

- 21381 EWER, T. K., and HANCOCK, J. J. The Lowat lamb tailer; reports on departmental trials. New Zeal. J. Agr. 72(1): 17-18. Jan. 15, 1946. 23 N485

- 21382 IVASHKIN, V. M. Odnovremennye intratracheal'nye in'ektsii v oba l'gkikh. Veterinariya 22 (8/9): 44. Aug./Sept. 1945. 41.8 V6426

Intratracheal injection of a water solution of iodine into both lungs of sheep in the treatment of Dictyocaulus.

- 21383 KUBIN, R., and LAGER, A. E. Modified technic for red cell determination in goats. Vet. Med. 41: 89. Mar. 1946. 41.8 M69

- 21384 MOULE, G. R. Fluorosis of sheep in Queensland. Queensland Agr. J. 61: 352-356. Dec. 1, 1945. 23 Q33

- 21385 MOULE, G. R. "Swelled head" of sheep: blackleg. Queensland Agr. J. 62: 15-16. Jan. 1, 1946. 23 Q33

- 21386 PEIRCE, A. W. The effect of intake of carotene on the general health and on the concentration of carotene and of vitamin A in the blood and liver of sheep. Austral. J. Expt. Biol. and Med. Sci. 23: 295-303. Dec. 1945. Ref. 442.8 Au7

- 21387 PLUMMER, P. J. G. Scrapie--a disease of sheep; a review of the literature. Canad. J. Compar. Med. 10: 49-54. Feb. 1946. Ref. 41.8 C162

- 21388 ROSENBERGER, A. C. Some sheep disease problems. Allied Vet. 17(1): 16. (Concl.) Jan./Feb. 1946. 41.8 AL5

Shipping fever of lambs, usually due to Pasteurella oviseptica.

- 21389 SCHULTZE F., E. S., and CAICEDO A., R. Enterotoxemias infecciosas de los ovinos juvenes en Colombia. Rev. de Med. Vet. [Bogotá] 14: 65-69. July/Dec. 1945. 41.8 R3214

- 21390 SIGURDSSON, B., VIGFÚSSON, H., and THEODORS, S. The serological diagnosis of John's disease of sheep. J. Compar. Path. and Ther. 55: 268-276. Oct. 1945. 41.8 J82

- 21391 STEWART, W. L. Research work into sheep and lamb diseases. Duke's Fund. Rpt., 12, 38 p. Newcastle upon Tyne, 1946. 41.9 A113

Partial contents: The use of DDT [and benzene hexachloride] against maggot-fly [blowfly] strike, p. 4-9; Observations on the behaviour of sheep in response to the use of mineral supplements, p. 9-13; Turnip sickness [enterotoxemia] in hogs; vaccine trials, p. 14-16; Sheep and lamb diseases; notes on prevention, p. 19-24.

- 21392 WILSON, D. R. Studies in louping-ill. I. Cultivation of louping-ill virus in vitro. II. Pathogenic properties of culture virus. J. Compar. Path. and Ther. 55: 250-267. Oct. 1945. Ref. 41.8 J82

Disease of sheep.

#### Miscellaneous

- 21393 ACHEN MORALES, J. L. Mexico's goats. Amer. Dairy Goat News 7(8): 3. Feb. 1946. 40.18 Am34

- 21394 ADDY, W. R. Sheepmen's dream come true. Com. B. 88(4646): 3. Mar. 2, 1946. 286.8 C736
- Sheep marooned on an island in Chile yielded 50 to 70 pounds of fleece.

- 21395 BAGNALL, MRS. N. What's to be done with the kids? Smallholder 74(1874): 21. Feb. 15, 1946. 10 Sml



- 21386 BROWN, C. J. Sheep as scavengers; the unkempt flocks of Egypt. New Zeal. Farmer Weekly 66 (25): 19. Feb. 7, 1946. 23 M484
- 21387 BUSURIN, IA, A. Provedenie okota ovets i vyrashchivanie iagniat [Care of lambing ewes and the raising of lambs]. U. S. S. R. Narod. Komis. Zeml. Agrotekhsociety Kolkhoz., No. 9, 8 p. Mar. 1945. 20 Ag88
- 21388 CANTERBURY AGRICULTURAL COLLEGE. The role of "environment" in wool production. Canterbury Chamber Com. Agr. B. 198, 4 p. Christchurch, 1946. 23 C162
- Feeding and other factors.
- 21389 GILLESPIE, I. F. Veteran discusses raising sheep. Hoosier Farmer 31(3): 29, 39. Mar. 1946. 280.82 H76
- 21400 HALL, J. More sheep planned in Schuyler Co., N. Y. Amer. Agr. 143: 110, 123. Mar. 2, 1946. 6 Am<sup>3</sup>
- 21401 K., P. M. How to save a lamb. Breeder's Gaz. 111(3): 9, 33. Mar. 1946. 49 B74
- 21402 KEIFER, F. B. Shows and showing. Amer. Dairy Goat News 7(8): 9. Feb. 1946. 40.18 Am34
- 21403 KENDALL, J. R. Early records of West reveal sheep bonanza. West. Farm Life 48(5): 39. Mar. 1, 1946. 6 R153
- 21404 LACEY, J. J. Save the early lambs. Wool News 11(7): 6. Feb. 1946. 280.28 W882
- 21405 LITTON, G. W. The future of sheep sales. Sheepman 16: 380. Mar. 1946. 45.8 Sh32
- 21406 LLOYD, E. W. Building up our pedigree flocks [in Great Britain]. Field 187: 281. Mar. 9, 1946. 10 F45
- 21407 LLOYD, E. W. Shepherds of tomorrow. Farmers Weekly [London] 24(3): 33-34. Jan. 18, 1946. 10 F2226
- Care of sheep.
- 21408 SPRINGS, W. L. More goat dairies. Amer. Dairy Goat News 7(8): 5. Feb. 1946. 40.18 Am34
- 21409 WIGHTMAN, R. Good shepherding, more lambs. Farmer & Stock-Breeder 60: 76. Jan. 8, 1946. 10 F228
- 21410 WILLARD, J. Sheepmen, it's up to you; aerial coyote hunting in danger. Mont. Wool Grower 20(3): 11. Mar. 1946. 45.8 M762
- 21418 SØRENSEN, C. H. M. Quality boars basis of success; folly of using "scrub" sires. New Zeal. J. Agr. 72(1): 57, 59. Jan. 15, 1946. 23 M485
- 21419 SPENCER, C. Pigs and people, past and present; reminiscences of livestock breeding and showing in the 'nineties. Farmers Weekly [London] 24(4): 32. Jan. 25, 1946. 10 F2226
- An interview with J. Hutchinson.

#### Feeds and Feeding

- 21420 BEDENBAUGH, P. G. Forage crops for pigs save harvested grain. Miss. Farm Res. [Miss. Sta.] 9(1): 6. Jan. 1946. 100 M69M1
- 21421 C., F. J. Cooked before they're clamped; German method with pig potatoes. Smallholder 74 (1872): 12. Feb. 1, 1946. 10 S41
- 21422 FERRIN, E. F. Addition of synthetic nutrients to protein supplemental feeds in swine rations. J. Anim. Sci. 5(1): 42-46. Feb. 1946. 49 J82
- 21423 FERRIN, E. F. Comparison of 5 grains [as hog feeds]. Hog Breeder 21(1): 15. Jan. 1, 1946. 46.8 H672
- 21424 HALL, E. K. Legume crops for pigs; feeds to make up for the shortage of concentrates and minerals. Farmer's Weekly [Bloemfontein] 70: 1109. Jan. 2, 1946. 24 F225
- 21425 HANSON, L. E. Waxy corn versus non-waxy corn for growing fattening pigs fed in dry lot. J. Anim. Sci. 5(1): 36-41. Feb. 1946. 49 J82
- 21426 HEINEMANN, W. W., and others. The relation of the amount of thiamine in the ration of the hog to the thiamine and riboflavin content of the tissue. J. Nutr. 31(1): 107-125. Jan. 10, 1946. Ref. 389.8 J82
- M. E. Ensminger, T. J. Cunha, and E. C. McCulloch, joint authors.
- 21427 JOHNSTON, G. W. The value of lucerne as grazing for pigs. Farming in So. Africa 21: 45-49. Jan. 1946. 24 So842
- 21428 KRIDER, J. L. Swine nutrition. Feed-stuffs 18(4): 28-32. Jan. 26, 1946. 286.81 F322
- 21429 MORLEY, T. A. The feeding of sows; rations for production. Farming News and North Brit. Agr. 98(3): 11. Jan. 11, 1946. 10 N82
- 21430 MOXLEY, H. F., and McMILLEN, W. W. Results of swine feeding project. Mich. Farmer 206: 212-213. Mar. 16, 1946. 6 M58
- 21431 FERRO, R. Expériences portant sur l'assimilation des phosphates tricalciques naturels finement moulus par l'organisme du porc. Ann. Agron. [Paris] 15: 288-300. Apr./June 1945. 14 An75A
- 21432 PURINA RESEARCH FARM. The how, what and why of feeding brood sows. Checkerboard News 8(2): 16. Feb. 1946. 389.78 C41
- 21433 SAVICH, A. Tykva v ratsione otkormochnykh svinei [Pumpkin in the ration for fattening swine]. Sovkhoz. Proizvod. 5(8/9): 31-33. Aug./Sept. 1945. 20 So85
- 21434 SCHÜRCH, A. Sulfitablaugenhefe als zusatzfütter zu haushaltungsabfällen in der schweinemast. Landw. Jahrb. der Schweiz 59: 880-892. 1945. Ref. 17 L23
- 21435 VESTAL, C. M. Experiment shows that hogs need salt. Better Farming Methods 18(3): 15, 34. Mar. 1946. 58.8 B46

#### SWINE

##### Breeds and Breeding

- 21411 COFFEY, J. S. Keeping Hampshires on a high level of excellency; breed gains achieved must be perpetuated. Amer. Hampshire Herdsman 21(2): 30, 48. Feb. 1946. 46.8 Am33
- 21412 DICKERSON, G. E., LUSH, J. L., and CULBERTSON, C. C. Hybrid vigor in single crosses between inbred lines of Poland China swine. J. Anim. Sci. 5(1): 16-24. Feb. 1946. 49 J82
- 21413 ELIJAH, H. D. The OIC in Missouri. Hog Breeder 21(3, i. e. 2): 92. Feb. 1946. 46.8 H672
- Also in OIC News 12(2): 20. Feb. 1946. 46.8 O11
- 21414 FERRIN, E. F. Take thought for the future; major attention should be given now to breeding stock. Amer. Hampshire Herdsman 21(2): 14, 100, 107, 112. Feb. 1946. 46.8 Am33
- 21415 J., E. The hog of the future. Breeder's Gaz. 111(3): 16, 25. Mar. 1946. 49 B74
- 21416 KRIDER, J. L., and others. Effectiveness of selecting for rapid and for slow growth rate in Hampshire swine. J. Anim. Sci. 5(1): 3-15. Feb. 1946. Ref. 49 J82
- B. W. Fairbanks, W. E. Carroll, and E. Roberts, joint authors.
- 21417 SLITH, W. W. Young pig losses represent heavy drain on pork producers profits; emphasis on breeding stock selection can help cut loss. Amer. Hampshire Herdsman 21(2): 36, 50. Feb. 1946. 46.8 Am33
- 21436 ALEXANDER, A. E., and TRIM, A. R. The biological activity of phenolic compounds. The effect of surface active substances upon the penetration of hexyl resorcinol into *Ascaris lumbricoides* var. suis. Roy. Soc., London, Proc., Ser. B, Biol. Sci. 133: 220-234. Feb. 12, 1946. Ref. 501 L84B
- 21437 CAMERON, H. S. Brucellosis of swine. IV. The unit-segregation system of eradication. Amer. J. Vet. Res. 7(22): 21-26. Jan. 1946. 41.8 Am3A

#### Veterinary Medicine



21436 CLAY, A. L. A note on the tuberculin test applied to pigs. *Austral. Vet. J.* 21: 149-150. Oct./Dec. 1945. 41.8 Am72

21439 COLE, C. G., HENLEY, R. R., and HUBBARD, E. D. Concentration of hog-cholera virus in the blood of artificially infected swine at different stages of the disease. *Amer. Vet. Med. Assoc. J.* 108: 143-147. Mar. 1946. 41.8 Am3

21440 COLE, H. H., and HUGHES, E. H. Induction of estrus in lactating sows with equine gonadotropin. *J. Anim. Sci.* 5(1): 25-29. Feb. 1946. 49 J82

21441 DUCK, R. W. Preventing and treating pig troubles. *Rural New-Yorker* 105: 250-251. Mar. 16, 1946. 6 R58

21442 HUTCHINGS, L. M. Abortion in swine.

*Vet. Med.* 41: 99-101. Mar. 1946. 41.8 M69

Due to Brucella suis.

21443 HUTCHINGS, L. M., DELEZ, A. L., and DONHAM, C. R. Studies on brucellosis of swine. II. Exposure and re-exposure experiments with Brucella suis. *Amer. J. Vet. Res.* 7(22): 11-20. Jan. 1946. 41.8 Am3A

21444 PHILLIPS, C. E. Infectious rhinitis in swine (bull nose). *Canad. J. Compar. Med.* 10: 33-41. Feb. 1946. 41.8 C162

21445 PINKERTON, H. E. Diseases of swine. *Iowa Vet.* 17(2): 7-11, 36, 38. Mar./Apr. 1946. 41.8 Io9

21446 RISSER, W. C. The heparin of pig tissue. *Amer. Chem. Soc. J.* 68: 341-342. Feb. 1946. 381 Am3J

21447 ROBERTS, F. H. S. Parasitic diseases of the pig. *Queensland Agr. J.* 62: 30-51. Jan. 1, 1946. 23 Q33

21448 SANDERSON, C. J. Ulcerative granuloma becoming fairly common disease of pigs. *Land [Sydney]*, No. 1775, p. 18. Nov. 30, 1945. 23 L22

21449 SHERSTOBOEV, K. N., and GAKLIN, R. I. Lechebnoe i profilaktichesko primeneniye protivochumnoi syvorotki pri bolezni Aueski. *Veterinariia* 22 (8/9): 26. Aug./Sept. 1945. 41.8 V6426

Therapeutic and prophylactic use of antitoxic serum in Aujeszky's disease in swine.

#### Miscellaneous

21450 BALDRIDGE, H. The sale catalog; some are a work of art and a real selling aid; many fail in their purpose. *Hog Breeder* 21(1): 17. Jan. 1, 1946. 46.8 H672

21451 BEAN, H. W. Single weight versus a three-day-average weight for swine. *J. Anim. Sci.* 5(1): 30-35. Feb. 1946. 49 J82

21452 BROWN, M. This pig business. *Poultry Farmer [London]* 114(2952): 4. Jan. 18, 1946. 47.8 F312

Care and profits.

21453 CARTER, K. Save those extra pigs. *Nebr. Farmer* 88(5): 34. Mar. 2, 1946. 6 N27

21454 COFFEY, J. S. The spring pig crop. *Berkshire News* 11(5): 4, 25. Mar. 1946. 46.8 B454

21455 FERKIN, E. F. Honor roll pork producers tell how they make money; good management is the main reason. *Farmer* 64(4): 7, 21. Feb. 16, 1946. 6 F221

Care and feeding.

21456 GLASSCOCK, R. S. Management pays in pig business. *Fla. Grower* 54(1): 18. Jan. 1946. 50 F6622

21457 HUGHES, C. E. Good start - fast finish. *Successful Farming* 44(3): 127, 137-138. Mar. 1946. 6 Su12

Swine care.

21458 LACEY, J. J. What is sow testing? *Equity Co-op. Livestock News* 11(1): 3. Jan. 1946. 280.28 E45

21459 FLAGER, C. Hormel's herd record system. *Hog Breeder* 21(4): 48-49. Mar. 1946. 46.8 H672

21460 FLAGER, C. Orphan pigs can be raised. *Chester White World* 26(8): 13-14. Feb. 1946. 46.8 C42

21461 RODEN, J., JR. Better care, better pigs. *Ala. Farmer* 14(3): 4, 12. Feb. 1946. 276.8 A11

21462 SCHWAB, J. Hoosier Ton Litter Club completes successful year. *Hoosier Farmer* 31(3): 30. Mar. 1946. 280.82 H76

Swine production.

21463 VAN DER MERWE, H. J. Successful pig-farming; treatment to avert failure and financial loss. *Farmer's Weekly [Bloemfontein]* 70: 1109. Jan. 2, 1946. 24 F225

21464 WALTERS, L. E. Pork on the farm--slaughtering. *New England Homestead* 119(4): 6, 25, 27. Feb. 23, 1946. 6 N442

21465 WOMELDORFF, D. Light up their lunch. *Successful Farming* 44(3): 68. Mar. 1946. 6 Su12

Swine care.

#### ENTOMOLOGY

##### GENERAL

21466 COOPER, E. H. Table-top entomology. *Amateur Photog.* 96: 155-156. Mar. 6, 1946. 332.5 Aml2

21467 DAVIAULT, L. Office pour la suppression des insectes forestiers. *Forêt Québécoise* 11: 12. Jan. 1946. 99.8 F79

21468 FREEMAN, J. A. Studies in the distribution of insects by aerial currents; the insect population of the air from ground level to 300 feet. *J. Anim. Ecol.* 14: 128-154. Nov. 1945. Ref. 410 J826

21469 GAUZE, G. F. Eksperimental'noe napravleniye v izuchenii dinamiki populatsii (Experimental studies on the dynamics of populations). *Zool. Zhur.* 24: 215-233. 1945. 41C R92

Includes insect populations.

English summary.

21470 GIBSON, H. L. Scientific photography as an aid to observation. *Biol. Photog. Assoc. J.* 14 (3): 133-138. Mar. 1946. 332.9 B52

Includes insects.

21471 HESLOP-HARRISON, J. W. The geographical distribution of certain Hebridean insects and deductions to be made from it. *Ecol. Rec. and J. Variation* 58: 18-21. Feb. 1946. 421 En89

21472 KALINUS, H. Correlations between flight and vision, and particularly between wings and ocelli, in insects. *Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent.* 20: 84-96. Oct. 19, 1945. Ref. 420 L84Pa

21473 LIZER Y TRELLES, C. A., and MOLLE, C. C. Estructura anatomica de filocecidias neotropicas. *Lilloa* 11: 153-187. Sept. 1945. Ref. 450 L62

English summary.

21474 TRAVASSOS, L. Relatório da excursão do Instituto Oswaldo Cruz ao Rio Paraná (Porto Cabral), em março e abril de 1944. *Inst. Oswaldo Cruz. Mem.* 42(1): 151-165. 1945. 448.9 In74

Includes record of insects collected.

21475 WALLINGFORD, K. Symbiose und antibiose. *Chemie* 58(1/2-3/4): 1-16. Jan. 1945. 384 Z33

Includes mention of *Lasioderma*, *Sitodrepe*, and *Cicadina*.

21476 WILLIAMS, C. B. Climate and insect life. *Nature [London]* 157: 214-215. Feb. 23, 1946. 472 N21

##### GENERAL - ECONOMIC

21477 BALABAN, I. E. "Insecticides of the D. D. T. series." (Sum.) *Chem. & Indus., No. 8, p. 87.* Feb. 23, 1946. 382 M31C



- 21478 BARNES, H. F., and WEIL, J. W. Slugs in gardens: their numbers, activities and distribution. Part 2. *J. Anim. Ecol.* 14: 71-105. Nov. 1945. Ref. 410 J826
- 21479 BAUER, R. J. Guide for purchasers of pest control. *Pest Control and Sanit.* 1(3): 14-15. Mar. 1946. 421 P432
- 21480 BEGOT, H., and TARAMARCAZ, J. Etude des fabrications françaises d'arséniates de chaux. *Ann. Agron.* Paris, 15: 301-318. Apr./June 1945. 14 An75A
- Efficiency of product and effect on plants.
- 21481 BISHOPP, F. C. DDT and its various applications. *Food Packer* 27(3): 103-104, 106. Feb. 15, 1946. 286.83 C165
- 21482 BISHOPP, F. C. Use of DDT as an insect control in the canning industry. *Canner* 102(10): 13-14, 18. Feb. 23, 1946. 286.93 C16
- 21483 BLAKE, C. H., and RUSSELL, H. D. Insects and other animals of interest to the Quartermaster Corps. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2582, 342 p., processed. Washington, 1943. 157.8 R29
- 21484 BOYCE, A. M. Citrus pest control problems. *Calif. Citrog.* 31: 184-185. Mar. 1946. 50 C125
- 21485 BRAGDON, R. I., and SHEARD, J. L. Comparative study and evaluation of the crystallization and setting point methods for analysis of DDT. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2352, 28 p., processed. Washington, 1945. 157.8 R29
- Prepared by Chemical Warfare Service Development Laboratory, Massachusetts Institute of Technology, Cambridge, Mass.
- 21486 BRUCHER ENCINA, C. Calendario de pulverizaciones para frutales en la Zona Central Chile. *Campeño* [Santiago], 77: 765-767. Dec. 1945. 9.3 Sol2
- 21487 BRUMPT, E. Le tétrachlorure de carbone, agent très efficace de lutte contre les insectes destructeurs de denrées alimentaires. *Paris. Acad. des Sci. Compt. Rend.* 221: 382-383. Oct. 1, 1945. 505 P21
- 21488 CAMERON, A. E. Insect pests of 1944. *Highland and Agr. Soc. Scot. Trans.* (ser. 5) (1945) 57: 54-72. 10 H536
- 21489 CANADA. DEPT. OF AGRICULTURE. DIVISION OF ENTOMOLOGY. The Canadian insect pest review, v. 23, No. 3, p. 180-245, processed. Oct. 31, 1945. 423.92 C160
- Contents: Field crop and garden insects, p. 180-215; Fruit insects, p. 215-221; Forest and shade tree insects, p. 221-239; Insects affecting man and animals, p. 239-243; Stored product, household and miscellaneous insects, p. 243-245.
- 21490 CARNIE, W., JR. Applying sprays by plane. *Calif. Cult.* 93: 198. Mar. 16, 1946. 6 C12
- 21491 CHAPMAN, P. J. Control of 1946 orchard pests. *Rural New-Yorker* 105: 192-193. Mar. 2, 1946. 6 R88
- 21492 CHIRIVELLA FORT, S. En la Estación de Patología Vegetal de Levante, Burjasot (Valencia), cursillo para capataces fumigadores, y algo más. *Agr. Levantino* 11(133): 17, 26. Dec. 1945. 15 Ag85
- Insect control.
- 21493 CHRISTOPHER, E. P. Orchard pest control in 1946. *New England Homestead* 119(5): 22-23. Mar. 9, 1946. 6 N442
- 21494 COTTON, R. T. The insect problems of dried food storage. *Inst. Food Technol. Proc.* 1945: 49-53. 389.9 In7
- 21495 CREIGHTON, J. T. The future of the Florida pest control industry. *Pests* 14(3): 14. Mar. 1946. 449.8 Ex8
- 21496 CRISTOL, S. J., and HALLER, H. L. Bromine analogs of DDT. *Amer. Chem. Soc. J.* 68: 140-141. Jan. 1946. 381 Am33J
- 21497 CUTRIGHT, C. R. Experiment station research with DDT. *Amer. Fruit Grower* 66(2): 14, 24, 30, 40, 48, 51. Feb. 1946. 80 G85
- 21498 DDT GEIGY and its applications. *Swiss Indus. and Trade* 24(3): 27-29. Dec. 1945. 280.8 Sw6
- 21499 DDT insecticides and their uses. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2436, 32 p. Washington, 1945. 157.8 R29
- U. S. War Dept. Technical Bulletin TB MED 194.
- 21500 DANIEL, E. Los defensores del agricultor; algunos aspectos de la lucha biológica. U. de Antioquia, No. 71/72, p. 487-496. June/July 1945. 110 Un3
- 21501 EEBLING, W. DDT penetration prevented by adding aluminum stearate to DDT-kerosene solutions. *J. Econ. Ent.* 38: 689-691. Dec. 1945. 421 J822
- 21502 FLECK, E. E., and HALLER, H. L. Solubility of DDT in kerosenes; effect of auxiliary solvents at subzero temperatures. *Indus. and Engin. Chem., Indus. Ed.* 32(2): 177-178. Feb. 15, 1946. 381 J825
- 21503 FLECK, E. E., and HALLER, H. L. Stability of DDT and related compounds. *Amer. Chem. Soc. J.* 68: 142-143. Jan. 1946. 381 Am33J
- 21504 FORD, O. W., and BURKHOLDER, C. L. DDT harvest residues from seven 1945 spray schedules. *Hoosier Hort.* 28: 26-28. Feb. 1946. 81 In2H
- 21505 FULTON, R. A., and NELSON, H. D. Use of the blower applicator in fumigation. *Calif. Citrog.* 31: 154, 166-167. Mar. 1946. 80 C125
- 21506 GALAKHOV, P. Osnovnye vrediteli sel'skokhoziaistvennykh kul'tur na Obskom Krainem Severe i meropriiatiia po bor'be s nekotorymi iz nikh [Principal pests of agricultural crops in the Ob Region of the Extreme North and measures for the control of some of them]. *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(7/8): 37-40. 1945. 20 Ak1
- 21507 GAMBRELL, M. M. Effects of DDT on the physical properties of nylon cloths. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2349, 8 p., processed. Washington, 1945. 157.8 R29
- 21508 GEHAUF, B. Estimation of DDT by the phosgene method. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2355, 2 p., processed. Washington, 1945. 157.8 R29
- 21509 GOODHUE, L. D., and BALLINGER, W. R. Accelerated aging test for insecticidal aerosols containing DDT. *Indus. and Engin. Chem., Analyt. Ed.* 18: 131-132. Feb. 23, 1946. 381 J825A
- 21510 GOODHUE, L. D. The evaluation of liquefied-gas aerosol formulations. *Soap and Sanit. Chem.* 22(2): 133, 135, 165. Feb. 1946. Ref. 307.8 Sol2
- 21511 GOODHUE, L. D., BALLINGER, W. R., and FALES, J. H. Improved dispenser for testing new liquefied-gas aerosols. (Sci. note.) *J. Econ. Ent.* 38: 709-710. Dec. 1945. 421 J822
- 21512 GORDON, R. M. Some entomological aspects of typhus. *Pub. Health [London]* 59(5): 65-66. Feb. 1946. 449.8 P96
- Louse and mite-borne forms; use of DDT.
- 21513 GRANETTI, P., and HAYNES, H. L. Insect-repellent properties of 2-ethylhexanediol-1,3. *J. Econ. Ent.* 38: 671-675. Dec. 1945. 421 J822
- 21514 HENDERSON, R. R. DDT... from war to peace. *Amer. Fruit Grower* 66(2): 11, 33. Feb. 1946. 80 G85
- 21515 HOUGH, W. S. Results of experiments with DDT on apples in 1945. *Mountaineer Grower* 16(160): 9, 11-13, 15. Feb. 1946. 80 M86
- 21516 HOUGHAM, J. K. Facts you should know about structural pest control. *Pest Control and Sanit.* 1(3): 20. Mar. 1946. 421 P432
- 21517 HOWLAND, J. E. Pest killers de luxe. *Better Homes & Gard.* 24(7): 106, 109. Mar. 1946. 80 W9424
- 21518 JACOBSEN, N. A. Custer County bait mixing center. *Mont. Farmer* 33(12): 29. Feb. 15, 1946. 6 M764
- For grasshoppers and other insects.
- 21519 JARVIS, H. Pests of the mango. *Queensland Agr. J.* 62: 10-14. Jan. 1, 1946. 23 Q33



- 21520 JENKINS, D. W. A review of the insecticide hexachlorocyclohexane ("666"). U. S. Dept. Com. Off. Pub. Bd. Rpt. 4034, 31 p., processed. Washington, 1945. 157.8 R29
- 21521 JEPSON, W. F. D. D. T. Rev. Agr. de l'île Maurice 24: 249-252. Sept./Oct. 1945. 24 M44
- 21522 JONES, H. A., and others. Dispersion of DDT sprays from fast combat aircraft. J. Econ. Ent. 38: 691-693. Dec. 1945. 421 J822
- A. W. Lindquist, C. C. Deonier, and C. N. Husman, joint authors.
- 21523 KEARNS, C. W., INGLE, L., and METCALF, R. L. A new chlorinated hydrocarbon insecticide [1068]. J. Econ. Ent. 38: 661-668. Dec. 1945. 421 J822
- Toxicity compared with that of DDT.
- 21524 KELSHEIMER, E. G. Cryolite as an insecticide. Fla. Grower 54(1): 4. Jan. 1946. 80 M622
- 21525 KILGORE, L. B. German insecticide research. Soap and Sanit. Chem. 22(2): 123-124. Feb. 1946. 307.8 S012
- Second article of a series.
- 21526 KIPLINGER, D. C. Pest control. Ohio Florists' Assoc. Monthly B. 196, p. 1-12, processed. Mar. 1946. 51 Ch36
- Includes diseases.
- 21527 LATTA, R. Preliminary investigations on heat-generated aerosols for the control of agricultural pests. J. Econ. Ent. 38: 668-670. Dec. 1945. 421 J822
- 21528 LEMLEY, J. D. The zinc chloride-phenol color reactions for p,p'-DDT. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2351, 16 p., processed. Washington, D. C., 1945. 157.8 R29
- Prepared by Chemical Warfare Service Development Laboratory, Massachusetts Institute of Technology, Cambridge, Mass.
- 21529 LEPAGE, H. S., GIANNOTTI, O., and PEREIRA, H. F. Técnica para o ensaio de inseticidas residuais. Biológico 11: 320-325. Dec. 1945. 442.8 B529
- 21530 LEVER, R. J. A. W. Entomological notes. Fiji. Dept. Agr. Agr. J. 16: 98-103. Dec. 1945. Ref. 25 F474g
- Contents: The pineapple beetle borer [*Anomocaulus fulvovestitus*] and its original food plant [*Pandanus* spp.]; Ants composing bat guano from caves; Further notes on the Aedes or "tiger" mosquitoes; The human and dog fleas [*Ctenocephalides felis*] in the Pacific; The Indian rose beetle, *Adoretus versutus* Har.
- 21531 LEVER, R. J. A. W. 666 or gammexane insecticide. Fiji. Dept. Agr. Agr. J. 16: 103. Dec. 1945. 25 F474g
- 21532 LINDQUIST, A. W., MADDEN, A. H., and SCHROEDER, H. O. Effect of temperature on knock-down and kill of mosquitoes and bedbugs [*Cimex*] exposed to DDT. Kans. Ent. Soc. J. 19(1): 13-15. Jan. 1946. 420 K13
- 21533 MCCONNON, J. Insecticides used by canners in Middle-West. Food Packer 27(4): 53-54. Mar. 1946. 286.83 C165
- Insecticides for vegetable pests.
- 21534 MACDONALD, G. D. D. T. Planters' Chron. 41(1): 9-11. Jan. 1, 1946. 22 P693
- 21535 MADDEN, A. H., LINDQUIST, A. W., and KNIPLING, E. F. DDT - treatment of airplanes to prevent introduction of noxious insects. Pest Control and Sanit. 1(3): 19. Mar. 1946. 421 P432
- 21536 MAUKE, D. L., and SHEARD, J. L. Some characteristics of hydrocarbon solvents and their DDT solutions. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2353, 33 p., processed. Washington, D. C., 1945. 157.8 R29
- Prepared by Chemical Warfare Service Development Laboratory, Massachusetts Institute of Technology, Cambridge, Mass.
- 21537 MOCINE, D. O. D. D. T. Its use and abuse. Amer. Miller and Processor 74(1): 137. Jan. 1946. 280.8 Am32
- 21538 MOTE, D. C. Spraying time for some orchard pests. Org. Farmer 69: 93. Feb. 21, 1946. 6 Or32
- 21539 NEW SOUTH WALES. DEPT. OF AGRICULTURE. ENTOMOLOGICAL BRANCH. Insect pests. Agr. Gaz. N. S. Wales 57(1): 35-38. Jan. 1946. 23 N472
- Contents: The fruit-tree borer (*Cryptophaga unipunctata*), p. 35-36; Two beetle pests [*Stegobium paniceum*, *Lasioderma serricorne*] (Ptilinidae) of stored foodstuffs, p. 36-37; The coon bug (*Oxycaerus arctatus*), p. 38.
- 21540 OSORIO, J. M. Notas y recomendaciones sobre los insectos y enfermedades que atacan a las plantas hortícolas en Cuba. Control de Plagas 8: 23-24. (Cont.) Feb. 1946. 464.3 C76
- 21541 PALM, T. Vattnet som insektspridande faktor. Ent. Tidskr. 66: 163-169. 1945. 421 En891
- Flood water as a factor in insect dissemination.
- 21542 PEPPER, B. B. Protecting newly set tomato plants from insect attack. N. J. State Hort. Soc. Hort. News 27: 1786. Jan. 1946. 81 N46
- 21543 PHILLIPS, A. W. Modification of vehicular type smoke generator, M1, for insecticide dispenser. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2356, 7 p., processed. Washington, 1945. 157.8 R29
- 21544 PIERCE, W. D. Insect-borne diseases. Pest Control and Sanit. 1(3): 18. Mar. 1946. 421 P432
- 21545 PORTER, B. A. DDT for fruit-insect control. Amer. Fruit Grower 66(2): 12-13, 32, 34. Feb. 1946. 80 G85
- 21546 PYENSON, L. Keeping up with the new bug killers. Flower Grower 33: 180-181, 200, 202-203. Mar. 1946. 80 M72
- 21547 RUEGGEBERG, W. H. C., and TORRANS, D. J. Production of DDT; condensing action of chlorosulfonic acid on chloral hydrate and chlorobenzene. Indus. and Engin. Chem., Indus. Ed. 38(2): 211-214. Feb. 15, 1946. Ref. 381 J825
- 21548 SAUER, C. W. Colorimetric estimation of DDT by nitration and alkali treatment. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2350, 35 p., processed. Washington, 1945. 157.8 R29
- Prepared by Chemical Warfare Service Development Laboratory, Massachusetts Institute of Technology, Cambridge, Mass.
- 21549 SCHMIDT, H. W. Wirtschaftsschädlinge in der mehl- und brot-wirtschaft. Mehl und Brot 45: 13-14. Feb. 16, 1945. 389.8 M47
- 21550 SHAW, H. Some uses of D. D. T. in agriculture. Nature [London] 157: 285-287. Mar. 9, 1946. 472 N21
- 21551 SHERWOOD, E. C. State spray recommendations for 1946. Mountaineer Grower 16(160): 5, 7-8. Feb. 1946. 80 M86
- 21552 SIMMONS, P., and FISHER, C. K. Ethyl formate and isopropyl formate as fumigants for packages of dried fruits. (Sci. note.) J. Econ. Ent. 38: 715-716. Dec. 1945. 421 J822
- 21553 SMALLMAN, B. N. Insects come like "thieves in night" to feeds and seeds in storage. Canad. Grain J. 1(7): 9-10. Feb. 1946. 59.8 C16
- 21554 SMITH, J. H. Useful parasitic insects. Queensland Agr. J. 61: 340-351. Dec. 1, 1945. 23 Q33
- 21555 STANLEY, W. W. Leaf area and its relation to application of insecticides. J. Econ. Ent. 38: 703-706. Dec. 1945. 421 J822
- 21556 THE STORY of D.D.T.; a triumph of modern chemical research. Primary Prod. [Sydney] 31(2): 2. (Concl.) Jan. 10, 1946. 23 P93
- 21557 TERRES, J. E. Dynamite in DDT. New Repub. 114: 415-416. Mar. 25, 1946. 280.8 N
- Toxicity.
- 21558 TORRANS, D. J. Pilot plant development of the chlorosulfonic acid process for DDT. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2354, 44 p., processed. Washington, 1945. 157.8 R29



- 21559 TWINN, C. R. Entomology and the pest control industry. *Pests* 14(3): 18, 20, 22. Mar. 1946. 449.8 Ex8
- 21560 TYPHUS, by "Medico." Farmer [Pietermaritzburg] 34(51): 17. Dec. 21, 1945. 24 F227  
Transmitted by lice, fleas, ticks, and mites.
- 21561 U. S. CHEMICAL WARFARE SERVICE. CWS monthly progress report on insect and rodent control. No. 1-7, Mar.-Sept. 1945. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2357-2363, processed. Washington, 1945. 157.8 R29
- 21562 VAN WEBB, D. V. Plant resistance to insects. *Farmer's Weekly* [Bloemfontein] 70: 677. Nov. 21, 1945. 24 F225
- 21563 WADLEY, F. M. Incomplete block experimental designs in insect population problems. *J. Econ. Ent.* 38: 651-654. Dec. 1945. 421 J822
- 21564 WATSON, J. R. Fighting Florida peach insects. *Fla. Grower* 54(1): 14-15. Jan. 1946. 80 F6622
- 21565 WEIGEL, C. A., and GERTLER, S. I. The synergistic action of N,N-diethylpiperonylamine with pyrethrum marc in control of the Mexican bean beetle *Epilachna varivestis*. *J. Econ. Ent.* 38: 683-686. Dec. 1945. 421 J822
- 21566 WELCH, H. Grubs and lice on cattle. *Mont. Farmer* 33(13): 26. Mar. 1, 1946. 6 M764
- 21567 WENE, G., and RAWLINS, W. A. Compatibility of cryolite and copper fungicides. *J. Econ. Ent.* 38: 655-657. Dec. 1945. 421 J822
- 21568 WILLE, J. E. El nuevo insecticida "DDT." *Vida Agr.* 22: 763, 765, 767, 769-770. Sept. 1945. 9.8 V66
- 21569 WILLIAMS, R. P. My pest control schedule and its results. *Citrus Leaves* 26(2): 28. Feb. 1946. 80 C492
- 21570 WILSON, H. F. Will DDT residues be dangerous? Preliminary reports on effects from feeding animals. *Food Packer* 27(4): 63-64. Mar. 1946. 286.83 C165
- 21571 WOODHAMS, G. E. Post-war pest surveys. *Calif. Citrog.* 31: 155. Mar. 1946. 80 C125
- 21572 ZAPATA CASTRO, J. A. Defensa agricola. *Campeño* [Santiago] 77: 742. Dec. 1945. 9.3 Sol2  
Pest control in Chile under the agricultural program.
- APICULTURE AND APIS MELLIFERA
- 21573 ABRAHAMSEN, K. A. Kubeisolasjon. *Bitidningen* 45: 10. Jan. 1946. 424.8 B54  
Construction of hives.
- 21574 B., J. Honey. *Brit. Bee J.* 73: 343-344. Dec. 27, 1945. 424.8 B77
- 21575 BARTH, W. "Wise up"—beekeeper. *Beekeepers' Mag.* 8(7): 11. Feb. 1946. 424.8 M58
- 21576 BEEFARMING in Northern Territory. *Australasian Beekeeper* 47: 109-111. Nov. 1945/Jan. 1946. 424.8 Au72
- 21577 BUGHouser, M. M. M. For sale: bee locations. *Beekeepers Item* 30: 48-49. Feb. 1946. 424.8 B397  
Legislation.
- 21578 BUILDING up bee colonies to full production, and a priest's tale of some bad border bee-haviour. By "Gubashe." *Farmer* [Pietermaritzburg] 34(50): 9. Dec. 14, 1945. 24 F227
- 21579 CABO DE VILA PARODI, L. Evolución de la incubación del huevo de abeja desde su puesta hasta su completa metamorfosis a insecto perfecto. *Mundo Avic.* 8(94): 38-39. Dec. 1945. 47.8 M92
- 21580 CALE, C. H. How to use sulfa in the prevention of bee disease. *Amer. Bee J.* 86: 102-103. Mar. 1946. 424.8 Am3
- 21581 CARTER, G. A. Beekeeping as a career. *Gt. Brit. Min. Agr. Agriculture* 52: 507-509. Feb. 1946. 10 G79J
- 21582 CHERCUIITE, V. L'apiculture et l'est de Québec. *Abeille et l'Érable* 14: 141-143. Dec. 1945. 424.8 Ab32
- 21583 CHILDERS, L. F. Afterthoughts about nose-ma. *Amer. Bee J.* 86: 107-108. Mar. 1946. 424.8 Am3
- 21584 CLARK, R. M. Experiences in the use of bees for orchard pollination. *Gleanings Bee Cult.* 74: 129-131. Mar. 1946. 424.8 G47
- 21585 COULTER, W. A. Beekeeping needs bookkeeping. *Gleanings Bee Cult.* 74: 132-135, 179. Mar. 1946. 424.8 G47
- 21586 CRONSTEDT, C. O. Mitt system. *Bitidningen* 45: 49. Feb. 1946. 424.8 B54  
Entrance protection in beehives.
- 21587 DICKS, W. J. H. What's in a hive? *Saskatchewan Farmer* 37(4): 13. Feb. 15, 1946. 7 Sa74  
Various pests of the beehive.
- 21588 E., J. S. Bee-hive materials. *Austral. Bee J.* 27(1): 1-2. Jan. 1946. 424.8 V66
- 21589 E., W. Och så var det bistick. *Bitidningen* 45: 21. Jan. 1946. 424.8 B54  
Bee stings.
- 21590 EJWERTZ, A. Studera och proba. *Bitidningen* 45: 18. Jan. 1946. 424.8 B54  
A discussion of beekeeping for beginners including references to Swedish books on beekeeping.
- 21591 FRYKHOLM, L. Översikt över viktigare blitteratur, bibliografiska hjälpmedel och forskningsinstitutioner. *Bitidningen* 45: 11-14. Jan. 1946. 424.8 B54  
A survey of bee literature and research institutions.
- 21592 GAY, H. Arkansas stingers. *Ark. Farmer* 48(2): 8, 19. Feb. 1946. 6 Ar42  
Apiculture.
- 21593 GOODACRE, W. A. Sulpha drugs in treatment of A. F. B. disease. *Australasian Beekeeper* 47: 112. Nov. 1945/Jan. 1946. 424.8 Au72
- 21594 GROUT, R. A. Supers of honey in the honey house. *Amer. Bee J.* 86: 103-105. Mar. 1946. 424.8 Am3
- 21595 HALLIDAY, M. Facing the stings. *West. Canada Beekeeper* 9(2): 14. Feb. 1946. 424.8 W525
- 21596 HERROD-HEMPSALL, W. The age of the bee. *Brit. Bee J.* 74: 23-24. Jan. 24, 1946. 424.8 B77
- 21597 HOLST, E. C. Newer knowledge of American foulbrood. *Gleanings Bee Cult.* 74: 138-139. Mar. 1946. 424.8 G47  
Relation of *Bacillus* larvae to the bee; resistance.
- 21598 HOLST, E. C. Simple field test for American foulbrood. *West. Canada Beekeeper* 9(2): 11-12. Feb. 1946. 424.8 W525  
Utilizes reaction on milk of enzymes from *Bacillus* larvae.
- 21599 JAMIESON, C. A. Nosema disease of adult bees. *West. Canada Beekeeper* 9(2): 3-4, 17. Feb. 1946. Ref. 424.8 W525
- 21600 JOHANSSON, E. Klövers nektaravöndring. *Bitidningen* 45: 20. Jan. 1946. 424.8 B54  
Failure of clover to secrete nectar affects bee colonies.
- 21601 JOHANSSON, H. Flusterskyddet återigen. *Bitidningen* 45: 20-21. Jan. 1946. 424.8 B54  
Winter entrance for the hive.
- 21602 KJELLÉN, C. Biddling som yrke. *Beekeeping as an occupation.* *Bitidningen* 45: 15-16. Jan. 1946. 424.8 B54
- 21603 LATHAM, A. Propolis. *Gleanings Bee Cult.* 74: 150. Mar. 1946. 424.8 G47
- 21604 LUNDER, R. Grandraget i Norge 1945. *Bitidningen* 45: 47. Feb. 1946. 424.8 B54  
Honeybees gather honeydew.
- 21605 MARTINO, E. Solförmörkelsens inverkan på binas verksamhet. *Effect of sun eclipse on the activities of bees.* *Bitidningen* 45: 17-18. Jan. 1946. 424.8 B54
- 21606 MARTIN, E. C. Honey bees and clover seed. *West. Canada Beekeeper* 9(2): 6, 16. Feb. 1946. 424.8 W525



- 21607 MOREAUX, R. Sur la sécrétion cirière de l'abeille. Paris, Acad. des Sci. Compt. Rend. 221: 590-592. Nov. 12, 1945. 505 P21
- 21608 MRAZ, C. Comb honey. Beekeepers' Mag. 8(7): 12-13. Feb. 1946. 424.8 M58
- 21609 NEWELL, R. E. Colony morale and its importance in colony behavior. Beekeepers Item 30: 56-58. Feb. 1946. 424.8 B397
- 21610 NEWELL, R. E. Experiments with pollen substitutes in 1945. Gleanings Bee Cult. 74: 151. Mar. 1946. 424.8 G47
- 21611 NILSSON, A. V. Ännu ett inlägg. Bitidningen 45: 21. Jan. 1946. 424.8 B54
- Entrance for the hive.
- 21612 NORTHCOOTE, E. Notas sobre la industria apícola en el valle del Mantaro. Vida Agr. 22: 795-798. Sept. 1945. 9.8 V66
- 21613 ORR, L. E. What is scientific beekeeping? Beekeepers Item 30: 46-47. Feb. 1946. 424.8 B397
- 21614 PAGET, R. The colour problem. Brit. Bee J. 74: 32. Jan. 31, 1946. 424.8 B77
- 21615 POOLE, Some interesting experiences with bees. Beekeepers' Rec. 64(672): 6-7. Jan. 1946. 424.8 B398
- 21616 ROLDÁN R., S. Apicultura: fiebre de "en-jambrazón." Agr. Venezol. 10(112): 40-41. Dec. 1945/Jan. 1946. 9.95 Ag8
- 21617 ROOT, E. R. Eighty years among the bees. Gleanings Bee Cult. 74: 148-149. (Cont.) Mar. 1946. 424.8 G47
- 21618 SECHRIST, E. L., and GAMBLE, R. Busy bee improves each shining hour. Amer. Bee J. 86: 100-101. Mar. 1946. 424.8 Am3
- Bees as pollinators; pictures.
- 21619 STAAF, N. Underligt drag återigen. Bitidningen 45: 20. Jan. 1946. 424.8 B54
- Behavior of bees collecting in the fall.
- 21620 STEPHENS, P. Sac brood at Inverell, N. S. W. Australasian Beekeeper 47: 122-123. Nov. 1945/Jan. 1946. 424.8 Au72
- 21621 STRICKEN, W. H. Don't throw it away! West. Canada Beekeeper 9(2): 9-10. Feb. 1946. 424.8 W525
- Obsolete bee equipment.
- 21622 STROMBERG, E. [Medel mot bistick]. Bitidningen 45: 21. Jan. 1946. 424.8 B54
- Bee stings.
- 21623 THOMPSON, W. Large honey returns. Brit. Bee J. 74: 18. Jan. 17, 1946. 424.8 B77
- 21624 TONTZ, C. Mas miel con abejas que no enjambran. Mundo Avic. 8(94): 48-49. Dec. 1945. 47.8 M92
- 21625 VICTOR, J. Big hive--little hive. Beekeepers' Mag. 8(7): 9-10. Feb. 1946. 424.8 M58
- 21626 VON TREBBA, R. L. Soil conservation and the honeybee. Amer. Bee J. 86: 97-98. Mar. 1946. 424.8 Am3
- Role of bees as pollinators in preventing erosion of soils.
- 21627 W., E. D. Spring management of bees. Rural New-Yorker 105: 197. Mar. 2, 1946. 6 R88
- 21628 WHY EGGS are laid on a comb-face. By Cornu. Brit. Bee J. 73: 325-326. Dec. 6, 1945. 424.8 B77
- 21629 YTFREUS, H. Vilda bin dra bättre än tama? Bitidningen 45: 22. Jan. 1946. 424.8 B54
- Behavior of bees collecting honey.
- 21633 BRAUN, E. Dividing over-wintered colonies for increased honey production. Canada. Dept. Agr. Farmers' B. 130, 13 p. Ottawa, 1945. (P. 774) 7 C16F
- 21634 DODD, N. The best method of preparing bees for winter. Australasian Beekeeper 47: 127-128. Nov. 1945/Jan. 1946. 424.8 Au72
- 21635 GAMBLE, R. Another swarm control system. Smallholder 74(1873): 9. Feb. 8, 1946. 10 Sml
- 21636 GAMBLE, R. For bee-keepers; the Snelgrove system [of swarm control]. Smallholder 74(1874): 11. Feb. 15, 1946. 10 Sml
- 21637 GAMBLE, R. My method of swarm control. Smallholder 74(1872): 11. Feb. 1, 1946. 10 Sml
- 21638 GAMBLE, R. Queen bee breeding. Smallholder 74(1670): 11. Jan. 18, 1946. 10 Sml
- 21639 GOODERHAM, C. B. Order package bees now. West. Canada Beekeeper 9(2): 10. Feb. 1946. 424.8 W525
- 21640 KJELLÉN, C. Drottningodling för hemma-bruk. Bitidningen 45: 16-17. Jan. 1946. 424.8 B54
- Breeding queens in Sweden.
- 21641 LAING, R. J. Deplores killing bees. West. Canada Beekeeper 9(2): 19. Feb. 1946. 424.8 W525
- 21642 MILES, J. W. How to obtain more honey from a colony of bees. Minn. Hort. 74: 46-47. Mar. 1946. 81 M66
- 21643 NEWELL, R. E. Importance of pollen, pollen supplements or substitutes in spring development of colonies. Amer. Bee J. 86: 99. Mar. 1946. 424.8 Am3
- 21644 NICHOLSON, J. G. Moving hives of bees. Brit. Bee J. 74: 15. Jan. 17, 1946. 424.8 B77
- 21645 NILSSON, J. Alla sätt äro bra. Bitidningen 45: 53. Feb. 1946. 424.8 B54
- Requeening.
- 21646 OHOLM, E. En "miniätyrsvärm." Bitidningen 45: 52. Feb. 1946. 424.8 B54
- Bee swarming.
- 21647 OLSSON, N. Några synpunkter på binas utfodring och skötsel. Bitidningen 45: 7-10. (Concl.) Jan. 1946. 424.8 B54
- Feeding and care of bees with special attention to heating and ventilation of the beehives during the winter.
- 21648 RANOW, G. M. Early warm spell in March unfavorable for cellar. Gleanings Bee Cult. 74: 152. Mar. 1946. 424.8 G47
- 21649 SANDS, J. Stopping bees robbing. Australasian Beekeeper 47: 130. Nov. 1945/Jan. 1946. 424.8 Au72
- 21650 SKELLIE, E. Rearing queen bees; essential factors in apiary management. New Zeal. J. Agr. 72 (1): 65-67, 69. Jan. 15, 1946. 23 M485
- 21651 STARKEY, J. E. Winter and spring work for the beekeeper. Beekeepers Item 30: 50-51. Feb. 1946. 424.8 B397
- 21652 STEWART, H. Two queens in a hive. Amer. Bee J. 86: 107. Mar. 1946. 424.8 Am3
- 21653 WOODS, E. F. Swarm control for beginners. Part I. Brit. Bee J. 74: 30-32. Jan. 31, 1946. 424.8 B77
- 21654 WRIGHT, P. H. Taking off the honey. West. Canada Beekeeper 9(2): 7-8. Feb. 1946. 424.8 W525

#### Colony Management

- 21630 ANDERSSON, N. Något om skattelådor. Bitidningen 45: 49-50. Feb. 1946. 424.8 B54
- Spring protection of beehives.
- 21631 BOWEN, A. H. Moving bees in hives short distances. Brit. Bee J. 73: 325. Dec. 6, 1945. 424.8 B77
- 21632 BOWEN, A. H. Using the carbollic cloth. Brit. Bee J. 73: 338. Dec. 20, 1945. 424.8 B77

#### ARACHNIDA, MYRIAPODA, ETC.

- 21655 BREAKY, E. P. Phyllocoptes gracilis and the dry berry disease of the loganberry. (Sci. note.) J. Econ. Ent. 38: 722. Dec. 1945. 421 J822
- 21656 HURR, M. Insectivorous spiders. Ent. Rec. and J. Variation 58: 22-23. Feb. 1946. 421 En89



- 21657 CHAMBERLIN, R. V. Two new species of the milliped genera *Chonaphe* and *Aniulus*. Biol. Soc. Wash. Proc. 59: 31-34. Mar. 11, 1946. 500 W272  
C. michigana and A. orthodoxy.
- 21658 CLARK, A. H., and ZETEK, J. The onychophores of Panama and the Canal Zone. U. S. Natl. Mus. Proc. 96: 205-213. 1946. Ref. 500 Sm65P
- 21659 COLLINGE, W. E. Notes on the terrestrial Isopoda (woodlice). No. XII. North West. Nat. 20: 5-10. Mar./June 1945. 410 N81
- 21660 COOLEY, R. A., and KOHLS, G. M. The genus *Ixodes* in North America. U. S. Pub. Health Serv. Natl. Inst. Health B. 184, 246 p. 1945. Ref. 151.67 B87  
Includes 2 n. sp.
- 21661 DEAN, R. W. DDT sprays and European red mite [*Paratetranychus pilosus*] populations in eastern New York. (Sci. note.) J. Econ. Ent. 38: 724-725. Dec. 1945. 421 J822  
Increase not found.
- 21662 FARNER, D. S. A note on a gravid trombiculid mite [*Acariscus masoni*]. Ent. Soc. Wash. Proc. 48: 32-34. Feb. 1946. 420 W27
- 21663 JELLISON, W. L. A new mite, *Laelaps aplo-dontiae*, from *Aplodontia*. J. Parasitol. 31: 373-374. Dec. 1945. 448.8 J824
- 21664 LAGEJEVA, M. G. O sposobakh i sredstvakh lecheniya sel'skokhoziaistvennykh zhivotnykh pri che-sotke [Methods and remedies in mange treatment of domestic animals]. Veterinariia 22(8/9): 24-25. Aug./Sept. 1945. 41.8 V6426
- 21665 LAPAGE, G. Mite-typhus and the new mite-typhus vaccine. Nature [London] 157: 236-238. Feb. 23, 1946. 472 N21  
Scrub typhus transmitted by *Trombicula* spp.
- 21666 LEES, A. D. The water balance in *Ixodes ricinus* L. and certain other species of ticks. Parasitology 37(1/2): 1-20. Jan. 1946. Ref. 448.8 P21
- 21667 LEWIS, E. A. Nairobi sheep disease: the survival of the virus in the tick *Rhipicephalus appendiculatus*. Parasitology 37(1/2): 55-59. Jan. 1946. 448.8 P21
- 21668 LEWIS, E. A., FIERCY, S. E., and WILEY, A. J. *Rhipicephalus neavei* Warburton, 1912 as a vector of East Coast fever [of cattle]. Parasitology 37(1/2): 60-64. Jan. 1946. 448.8 P21
- 21669 MELLO-LEITÃO, C. DE. Tres novas especies de *Gasteracanthinae* e notas sobre a subfamília. Acad. Bras. de Cien. An. 17: 261-267. 1945. 516 R473A  
*Thaumastobella mourei*, *Ildibaha acanthomasta*, *Acrosoma ruschii*; *Thaumastobella* n. g.
- 21670 MILNE, A. The ecology of the sheep tick, *Ixodes ricinus* L.; distribution of the tick on hill pasture. Parasitology 37(1/2): 75-81. Jan. 1946. 448.8 P21
- 21671 MOORE, E. N. Use of DDT to control sarcoptic mange [in a dog]. Amer. Vet. Med. Assoc. J. 108: 162. Mar. 1946. 41.8 Am3
- 21672 NESBITT, H. H. J. A revision of the family Acaridae (Hyroglyphidae), order Acari, based on comparative morphological studies. Part I. Historical, morphological, and general taxonomic studies. Canad. J. Res. Sect. D, Zool. Sci. 23: 139-188. Dec. 1945. 470 C16D
- 21673 OKAY, S. İzopodlarda pigment hücrelerin in vüztüne hormonu (L'hormone de contraction des cellules pigmentaires chez les isopodes). Istanbul. U. Fen Fakül. Mecmuası. Ser. B. Tabii İlimler 10: 116-132. Apr. 1945. Ref. 475 Is7
- 21674 OLSON, P. C. Control of ticks. Pest Control and Sanit. 1(3): 27. Mar. 1946. 421 P432
- 21675 A PAGE for beginners; watch for insects. By "Chanticleer." So. African Poultry, Pigeon and Bird Mag. 51: 314. Dec. 1945. 47.8 So83  
Red mite and fowl tick.
- 21676 PAIN, H. D. La fabricación de sarnifugos de cal y azufre; su precio y control. Buenos Aires y La Pampa, No. 83, p. 5-8. Dec. 1945. 9 B868  
For mange on sheep.
- 21677 POSTAVIT' na zimovku zdorovyi skot [Winter care of healthy livestock]. Veterinariia 22(8/9): 1-4. Aug./Sept. 1945. 41.8 V6426  
Includes official regulations on mange control.
- 21678 RADFORD, C. D. Larval and nymphal mites (Acarina; Trombiculidae) from Ceylon and the Maldiv Islands. Parasitology 37(1/2): 46-54. Jan. 1946. 448.8 P21  
Includes *Schöngastia maldiviensis* n. sp., and *Nomersleyia minuta* n. g., n. sp.
- 21679 RADFORD, C. D. Notes on *Trombicula deliensis* Walch, 1923 (Acarina; Trombiculidae), with description of the adult. Parasitology 37(1/2): 42-45. Jan. 1946. 448.8 P21
- 21680 RAPP, J. L. C., and RAPP, W. F., JR. Preliminary list of spiders of the Great Swamp [Morris Co., N. J.]. Brooklyn Ent. Soc. B. 41(1): 4-5. Feb. 1946. 420 B79
- 21681 ROBINSON, G. G. The biology of *Ornithodoros delanoei acinus* Whittick, 1938. Parasitology 37(1/2): 82-84. Jan. 1946. 448.8 P21
- 21682 SCARAMUZZA, L. C. La araña viuda negra [*Latrodectus mactans*] (nota de divulgación). Cuba. Min. de Agr. Almanaque (1946) 2: 87-89. 8 C896
- 21683 SQUIBB, R. L. A new method for the control of cattle ticks [*Boophilus annulatus*] in tropical regions. J. Anim. Sci. 5(1): 71-79. Feb. 1946. 49 J82
- 21684 WARRING, W. B., and RUFFIN, J. S., JR. A tick-borne epidemic of tularemia. New England J. Med. 234: 137-140. Jan. 31, 1946. 448.8 M442  
Transmitted by *Amblyomma americanum*.
- 21685 WEAVER, L. E. It might be mites [*Dermanyssus gallinae*]. Northeast. Poultryman 44(5): 18. Nov. 1945. 47.8 N44
- 21686 WHARTON, G. W. Two new species of *Acariscus*: *A. pluvius* and *A. anous* (Acarina: Trombiculidae). J. Parasitol. 31: 401-405. Dec. 1945. 448.8 J824
- 21687 WILLIAMS, R. W., and BROWN, H. W. The transmission of *Litomosoides carinii*, filariid parasite of the cotton rat, by the tropical rat mite, *Liponyssus bacoti*. Science 103: 224. Feb. 22, 1946. Ref. 470 Sci2

## COLEOPTERA

- 21688 ABBOTT, R. L. Ladybird [Coccinellidae], friend of man. Frontiers 10(3): 76-77. Feb. 1946. 410 F92
- 21689 ARROW, G. J. Systematic notes on a few genera of erotylid Coleoptera. Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 117-118. Oct. 31, 1945. 420 L84Pb
- 21690 BAGAL, S. R., and TREHAN, K. N. Life-history and bionomics of two predaceous and one mycophagous species of Coccinellidae. Bombay Nat. Hist. Soc. J. 45: 566-575. Dec. 1945. Ref. 513 B63  
*Chilomenes sexmaculata*, *Coccinella septempunctata*, and *Thea cincta*.
- 21691 FAILEY, J. H., and BRITTEN, H. The Coleoptera of the Isle of Man. North West. Nat. 20: 51-62. Mar./June 1945. 410 N81
- 21692 BERGAMIN, J. O sombreamento dos cafezais e a "broca do café" [*Stephanoderes hampei*]. DMC; Rev. do Dept. Nac. do Café [Brazil], 25: 627-638. Nov. 1945. 286.83 P44
- 21693 BIRCH, L. C. The biotic potential of the small strain of *Calandra oryzae* [i. e. *Sitophilus oryzae*] and *Rhizopertha dominica*. J. Anim. Ecol. 14: 125-127. Nov. 1945. Ref. 410 J826
- 21694 BRAUER, A. Cephalogenesis in relation to the integration center of the beetle *Callosobruchus maculatus* Fabr. J. Morph. 78(1): 155-179. Jan. 1946. Ref. 444.8 J826



- 21695 BRIDWELL, J. C. The genera of beetles of the family Bruchidae in America north of Mexico. Wash. Acad. Sci. J. 36: 52-57. Feb. 15, 1946. 500 W276J
- 21696 BUTLER, E. Boll weevil [*Anthonomus grandis*] wrecks Texas 1945 cotton crop. Cotton and Cotton Oil Press 47(5): 9. Mar. 9, 1946. 304.8 C822
- 21697 CHAUVIN, R. Premiers essais de purification de la substance qui attire le doryphore [*Leptinotarsa decemlineata*], vers les feuilles de pomme de terre. Paris. Acad. des Sci. Compt. Rend. 221: 713-714. Dec. 3, 1945. 505 P21
- 21698 COTTIER, W. The use of lead arsenate as a control for the grass-grub, *Odontria zealandica* White. New Zeal. J. Sci. and Technol. 27: 239-243. Oct. 1945. Ref. 514 M48A
- 21699 CREIGHTON, J. T. *Platypus compositus* attacking citrus. (Sci. note.) J. Econ. Ent. 38: 706. Dec. 1945. 421 J822
- 21700 DAVIAULT, L. Dommages causés aux arbres brûlés. Forêt Québécoise 11: 114. Feb. 1946. 99.8 F79
- Monochamus scutellatus* in fire-damaged trees.
- 21701 DODD, H. J. Goliath is the elm. Nature Mag. 39: 146-148. Mar. 1946. 409.6 N21A
- Scolytus multistriatus*, vector of dieback of elm.
- 21702 DURCHON, M. Les adultes de doryphore [*Leptinotarsa decemlineata*] peuvent s'attaquer à leurs propres oeufs. Paris. Acad. des Sci. Compt. Rend. 222: 340-342. Feb. 4, 1946. 505 P21
- 21703 DURCHON, M. L'attaque des tubercules de pommes de terre par les larves de doryphore [*Leptinotarsa decemlineata*]. Paris. Acad. des Sci. Compt. Rend. 222: 240. Jan. 21, 1946. 505 P21
- 21704 FENDER, K. M. A new species of *Podabrus* [*P. frosti*] (Coleoptera--Cantharidae). Brooklyn Ent. Soc. B. 41(1): 12. Feb. 1946. 420 B79
- 21705 FINNEY, D. J., and JARY, S. G. Wireworms and spring oats. Gt. Brit. Min. Agr. Agriculture 52: 491-498. Feb. 1946. 10 G79J
- 21706 GRISON, P. Thigmotactisme et localisation sensorielle du contact dans l'enfouissement du doryphore adulte (*Leptinotarsa decemlineata* Say). Paris. Acad. des Sci. Compt. Rend. 222: 306-308. Jan. 28, 1946. 505 P21
- 21707 H., L. Le cléonus punctiventris. Assoc. des Chim. B. 62(1/3): 34-36. Jan./Mar. 1945. 383 As7
- A pest of beets.
- 21708 HEADSTROM, R. The beetles and the garden-er. Organic Gard. 8(4): 22-26. Mar. 1946. 56.8 Cr3
- Flea beetles.
- 21709 JORDAN, H. E. K. Description of a new anthribid beetle from Transvaal (Coleoptera). Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 111-112. Aug. 30, 1945. 420 L84Pb
- Apinotropis verdooanae*, n. g., n. sp.
- 21710 KNOWLTON, G. F. Elateridae eaten by Utah birds. (Sci. note.) J. Econ. Ent. 38: 707. Dec. 1945. 421 J822
- 21711 LANGE, W. H., JR. Ethylene dibromide and dichloropropane-dichloropropene mixture for wireworm control. J. Econ. Ent. 38: 643-645. Dec. 1945. 421 J822
- 21712 LILJEHLAD, E. Monograph of the family Mordellidae (Coleoptera) of North America, North of Mexico. Mich. W. Mus. Zool. Misc. P. 62, 229 p. Ann Arbor, 1945. 410.9 M58M
- 21713 MARTIN, H. Contribution à l'étude des silphes [*Silpha opaca*], de la betterave en Suisse. Landw. Jahrb. der Schweiz 59: 761-819. 1945. 17 L23
- 21714 MASON, A. C., and CHISHOLM, R. D. Ethylene dibromide as a fumigant for the Japanese beetle [*Popillia japonica*]. (Sci. note.) J. Econ. Ent. 38: 717-718. Dec. 1945. 421 J822
- 21715 MUMA, M. H., LANGFORD, G. S., and CORY, E. N. Modification of the geraniol and eugenol content of Japanese beetle [*Popillia japonica*] bait. J. Econ. Ent. 38: 658-660. Dec. 1945. 421 J822
- 21716 PARKER, R. L. Additional host and distribution records of the sweetpotato leaf beetle, *Typophorus viridicyaneus* (Crotch), (Coleoptera, Chrysomelidae). Kans. Ent. Soc. J. 19(1): 11-12. Jan. 1946. 420 K13
- 21717 PETERSON, H. B., and NUTTING, A. D. The bronzed birch borer [*Agilus anxius*], problem in Maine. Maine. Forest Serv. C. 6, 10 p. 1945. 99.9 M282C
- Maine Extension Service cooperating.
- 21718 SAYLOR, L. W. A new West Indian scarab beetle [*Cnemidachis romana*]. Brooklyn Ent. Soc. B. 41(1): 1-3. Feb. 1946. 420 B79
- 21719 SAYLOR, L. W. Revision of the scarab beetles of the genus *Dichelonyx*. Brooklyn Ent. Soc. B. 40: 137-158. Dec. 1945. Ref. 420 B79
- 21720 SAYLOR, L. W. Studies in the melolonthine scarab beetle genera of the American continents. No. II--A new genus and species from Guatemala. Ent. Soc. Wash. Proc. 48: 41-44. Feb. 1946. 420 W27
- Zabacana brevinigrans*.
- 21721 SAYLOR, L. W. Synoptic revision of the United States scarab beetles of the subfamily Dynastinae, No. 3: Tribe Oryctini (part). Wash. Acad. Sci. J. 36: 41-45. Feb. 15, 1946. Ref. 500 W276J
- 21722 SHIRCK, F. H. Crop rotations and cultural practices as related to wireworm control in Idaho. J. Econ. Ent. 38: 627-633. Dec. 1945. 421 J822
- 21723 SPENCER, J. W. Spruce beetle [*Dendroctonus engelmanni*] infestation follows big blow down. Green Thumb 2: 9-11. Jan. 1945. 80 G82
- 21724 THOMAS, W. A. Experiments with insecticides to control the strawberry weevil [*Anthonomus signatus*] in North Carolina and Maryland. J. Econ. Ent. 38: 678-682. Dec. 1945. 421 J822
- 21725 WOLFENBARGER, D. O., and HEUBERGER, J. W. Disodium ethylene bisdithiocarbamate for control of Mexican bean beetle [*Epilachna varivestis*]. J. Econ. Ent. 38: 675-678. Dec. 1945. 421 J822

## DIPTERA

- 21726 ALEXANDER, C. P. New or little-known species of exotic Tipulidae (Diptera) III. Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 95-102. Aug. 30, 1945. 420 L84Pb
- New spp. and forms in *Dolichochepea*; *Habromastix*; *Longurio*; *Limonia* 3; *Helius*.
- 21727 ARTEMENKO, V. D. Materialy po rasprostraneniü *Phlebotomus* na ýuge Ukrainy. Soobshchenie III. [Some data on the distribution of *Phlebotomus* in the south of Ukraine. Communication III.]. Med. Parazitol. i Parazit. Bolezni 14(2): 77. 1945. 448.8 M469
- 21728 AUERBACH, C., and ROBSON, J. M. Chemical production of mutations [in *Drosophila*]. Nature [London] 157: 302. Mar. 9, 1946. 472 N21
- 21729 BALOCK, J. W., and STARR, D. F. Mortality of the Mexican fruitfly [*Anastrepha ludens*] in mangoes treated by the vapor-heat process. J. Econ. Ent. 38: 646-651. Dec. 1945. 421 J822
- 21730 BOYD, D. T. Blow-fly research; "Mules" is the answer. County Life [Sydney] 57(29): 1. Jan. 18, 1946. 286.85 Sy8
- 21731 BUTCHER, F. G. Use rotenone for grubs. Hypoderma. Dakota Farmer 66(6): 10. Mar. 16, 1945. 6 D14
- 21732 CALLAN, E. M. Distribution of the sorghum midge [*Contarinia sorghicola*]. (Sci. note.) J. Econ. Ent. 38: 719-720. Dec. 1945. 421 J822
- 21733 CAUSEY, O. R., and DAMASCENO, R. G. Estudo sobre *Phlebotomus* no Vale Amazônico. Parte II. Descrição de *F. dunhami*, *F. melloi* e *F. wagleyi* [n. spp.] (Diptera, Psychodidae). Inst. Oswaldo Cruz. Mem. 42(1): 17-29. 1945. 448.9 In74



- 21734 COLLIN, J. E. Correction of a mistake of long standing concerning the identity of *Atylotus plebeius* Fallen (Diptera, Tabanidae). Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 89-90. Aug. 30, 1945. 420 L64Pb
- 21735 COLLIN, J. E. *Spilographa virgata*, sp. n. (Diptera, Trypetidae [i. e. Tephritidae]). Ent. Rec. and J. Variation 58: 17-18. Feb. 1946. 421 En89
- 21736 COSGROVE, P. C. Myiasis in the auditory meatus of a newborn infant. Brit. Med. J., No. 4443, p. 315. Mar. 2, 1946. 448.8 B77
- Sarcophaga larva.
- 21737 D'ANGELO, E. G. Microsurgical studies on *Chironomus* [i. e. Tendipes] salivary gland chromosomes. Biol. B. 90(1): 71-87. Feb. 1946. Ref. 442.8 B52
- 21738 DEONIER, C. C. Population studies on *Cochliomyia americana* in Arizona. Kans. Ent. Soc. J. 19(1): 26-29. Jan. 1946. 420 K13
- 21739 DROUIN. Lutte contre le varron; l'hypodème du boeuf [*Hypoderma bovis*] (varron des tanneurs). B. Agr. des Hautes-Pyrénées 49: 41-44. July/Sept. 1945. 14 B875
- 21740 ENFERMEDADES causadas por la presencia de larvas de moscas. Agr. Mex. 62(1): 25-34. Jan. 1946. 8 Ag8
- 21741 FAIRCHILD, G. B., and BARRERA, E. A. DDT as a larvicide against *Simulium*. J. Econ. Ent. 38: 694-699. Dec. 1945. 421 J822
- 21742 GUNDERSON, H. Farmers try DDT for flies! Farm Sci. Rptr. 7(1): 7-9. Jan. 1946. 275.29 F22
- 21743 H., L. Mouche de la betterave [*Pegomya hyoscyami* betae]. Assoc. des Chim. B. 62(1/3): 27-29. Jan./Mar. 1945. 383 As7
- 21744 HADORN, F., and NIGGLI, H. Mutations in *Drosophila* after chemical treatment of gonads in vitro. Nature [London], 157: 162-163. Feb. 9, 1946. 472 N21
- 21745 HARBISTON, F. C., and KNOWLTON, G. F. Two new *Paraclius* (Diptera: Dolichopodidae). Kans. Ent. Soc. J. 19(1): 23-25. Jan. 1946. 420 K13
- P. utahensis*, *P. indianus*.
- 21746 KALMUS, H., and MITCHISON, A. N. Transplantation of larval ovaries in *Drosophila* from and to individuals susceptible to carbon dioxide. Nature [London], 157: 230-231. Feb. 23, 1946. 472 N21
- 21747 LEFFERT, H. Spraying for heel flies and grubs [*Hypoderma*]. West. Livestock J. 24(17): 40-42. Feb. 15, 1946. 6 F2278
- 21748 LEGROUX, R., and SECOND, L. La spore botulique dans la mouche *Phophila casei* L. Inst. Pasteur, Paris. Ann. 71: 464-466. Nov./Dec. 1945. 448.3 An75
- 21749 MCGOVIN, E. R., and PIQUETT, P. G. Toxicity of benzene hexachloride to housefly [*Musca domestica*] larvae. (Sci. note.) J. Econ. Ent. 38: 719. Dec. 1945. 421 J822
- 21750 MITCHELL, C. L. New dairy ideas. Creamery Coop., Mar. 1946, p. 19-20, pl. 280.28 C86
- Fly control in the dairy barn with DDT and D-D as a soil fumigant.
- 21751 NIKOL'SKIĬ, A. L. Ratsional'naiâ vyrabotka kizhakov kak sredstvo bor'by s mukhami. Med. Parazitol. i Parazit. Bolezni 14(2): 70-72. 1945. 448.8 M469
- Drying of manure as a measure for controlling flies.
- 21752 FERRET, J. L'incinération des chaumes contre la cecidomyie des céréales. Terre Maroc. 15 (188): 5-6. July 1945. 24 T44
- 21753 PONOMARENKO, D. Novyi vreditel' liutserny--belyi pochkovyĭ komarik (A new alfalfa pest -- *Contarinia gemmalis* sp. n.). Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(6): 36-39. 1945. 20 Akl
- 21754 RAPP, J. L. C. The Stratiomyidae of New Jersey. Brooklyn Ent. Soc. B. 40: 188-191. Dec. 1945. 420 B79
- 21755 RAPP, W. F., JR. Catalogue of the types of genera and subgenera of Psychodidae. Brooklyn Ent. Soc. B. 40: 172-177. Dec. 1945. 420 B79
- 21756 RINGDAHL, O. Översikt över de hittills från Sverige kända arterna av familjen Tachinidae (Diptera). Ent. Tidskr. 66: 177-210. 1945. 421 En891
- 21757 ROBERTS, F. H. S. The occurrence of the pigeon fly (*Pseudolynchia canariensis* Lacq.) in Australia, with a note on Australian Hippoboscidae. Austral. Vet. J. 21: 150-151. Oct./Dec. 1945. 41.8 An72
- 21758 SANDERSON, C. J. For and against jettling and crutching; results of experimental work at Trangie. Land [Sydney], No. 1773, p. 11. (Cont.) Nov. 16, 1945. 23 L22
- As a means of controlling fly strike in sheep.
- 21759 SCHWARTZ, H. H. DDT is effective against flies in dairy barns. Agr. Leaders' Digest 27(2): 19. Feb. 1946. 275.28 Am3
- 21760 SCOTT, L. B., and MILAM, J. Hessian fly [*Phytophaga destructor*] infestation in Tennessee and Kentucky. (Sci. note.) J. Econ. Ent. 38: 712-713. Dec. 1945. 421 J822
- 21761 STERN, C., SCHAEFFER, E. W., and HEIDEN-THAL, G. A comparison between the position effects of normal and mutant alleles [in *Drosophila*]. Natl. Acad. Sci. Proc. 32: 26-33. Feb. 1946. Ref. 500 N21P
- 21762 TRUJILLO PELUFFO, A. Estudio sobre la mosca de la fruta [*Ceratitidis capitata*, desde su aparición en nuestro medio. Uruguay. Min. de Ganad. y Agr. B. Inform. 2: 23. Jan. 17, 1946. 9.9 G158
- 21763 VILLEE, C. A. Curled-blistered wings, a digenic character of *Drosophila melanogaster* [i. e. *ampelophila*]. Amer. Nat. 80: 280-283. Mar. 1, 1946. 470 Am36
- 21764 WILCOX, J. New *Micocles* with a key to the species (Diptera, Asilidae). Brooklyn Ent. Soc. B. 40: 161-165. Dec. 1945. 420 B79
- Two n. spp.
- 21765 WRIGHT, A. E. Diptera of North Lancashire and South Westmorland. North West. Nat. 20: 47-49. Mar./June 1945. 410 N81

## Culicidae

- 21766 ANTUNES, W., and CASTRO, A. Zona endêmica de febre amarela no Brasil. Ofic. Sanit. Panamericana. B. 24: 972-979. Nov. 1945. 150.9 B872

## English summary.

Refers to present distribution of *Aedes aegypti*.

- 21767 BISHOP, A., and GILCHRIST, B. M. Experiments upon the feeding of *Aedes aegypti* through animal membranes with a view to applying this method to the chemotherapy of malaria. Parasitology 37(1/2): 85-100. Jan. 1946. Ref. 448.8 P21
- 21768 BOHART, R. M., and INGRAM, R. L. Four new species of mosquitoes from Okinawa (Diptera: Culicidae). Wash. Acad. Sci. J. 36: 46-52. Feb. 15, 1946. 500 W276J

*Anopheles sapperi*, *Uranotaenia stonei*, *Aedes riversi*, and *A. downsi*.

- 21769 BOHART, R. M. New species of mosquitoes from the Marianas and Okinawa (Diptera, Culicidae). Biol. Soc. Wash. Proc., v. 59, p. 39-46. Mar. 11, 1946. 500 W272

*Aedes okinawensis* and 3 n. spp. in *Culex*.

- 21770 CARPENTER, S. J. Artificial shelters for measuring densities of *Anopheles quadrimaculatus*. (Sci. note.) J. Econ. Ent. 38: 721-722. Dec. 1945. 421 J822

- 21771 CERQUEIRA, N. L., and PARAENSE, W. L. Uma nova espécie de *Aedes* [*A. lepidus*] transmissora de *Plasmodium gallinaceum*. Inst. Oswaldo Cruz. Mem. 42(1): 11-15. 1945. 448.9 In74



21772 COUTINHO, J. O., and RICCIARDI, I. Contribuição para o estudo dos vetores de malária no Brasil. *Anopheles* (*Nyssorhynchus*) *darlingi* Root, em campos, no Estado do Rio. Inst. Oswaldo Cruz. Mem. 42(1): 263-280. 1945. Ref. 448.9 In74

English summary.

21773 DETINOVA, T. S. Opredelenie fiziologicheskogo vozrasta samok *Anopheles* po izmeneniiu tracheinoy sistemy iaichnikov (Determination of the physiological age of *Anopheles* females by the changes of the tracheal system of the ovaries). Med. Parazitol. i Parazit. Bolezni 14(2): 45-49. 1945. 448.8 M469

21774 DETINOVA, T. S. Vliianie zhelez vnutrennei sekretsii na sozrevanie polovoykh produktov i imaginal'nykh diapauzu u obyknovennogo maliariinogo komara (On the influence of glands of internal secretion upon the ripening of the gonads and the imaginal diapause in *Anopheles maculipennis*). Zool. Zhur. 24: 291-298. 1945. 410 R92

English summary.

21775 DOBROSMYSLOV, D. I. Tiodifenilamin kak zamenitel' sushchestvuyushchikh larvitsidov v bor'be s lichinkami komarov (Thiodiphenylamine as a substitute for existing larvicides in the control of mosquito larvae). Med. Parazitol. i Parazit. Bolezni 14(2): 57-62. 1945. 448.8 M469

21776 FARRAR, W. W. Occurrence of Pacific Coast *Anopheles* in brackish water. (Sci. note.) J. Econ. Ent. 38: 722. Dec. 1945. 421 J822

21777 GABALDON, A. Métodos estadísticos aplicados en malarilogía: III. La malarionetría. Tijeretas sobre Malaria 9: 55-86, processed. Mar. 1945. Ref. 448.9 V55T

Includes discussion of anopheline vectors.

21778 GEIGER, J. C. Disease of malaria. Pest Control and Sanit. 1(3): 16. Mar. 1946. 421 P432

Refers to *Anopheles* as vector.

21779 HILL, R. B., and HILL, C. M. *Phonomyia hirsuta*, a new sabethine from Jamaica (Diptera, Culicidae). Ent. Soc. Wash. Proc. 48: 39-41. Feb. 1946. 420 W27

21780 HURLEUT, H. S., and BOHART, R. M. Factors affecting the larvicidal action of DDT on *Culex quinquefasciatus*. (Sci. note.) J. Econ. Ent. 38: 725. Dec. 1945. 421 J822

21781 KING, W. V., and HOOGSTRAAL, H. Two new species of *Aedes* (Pinlaya) from New Guinea (Diptera: Culicidae). Ent. Soc. Wash. Proc. 48: 37-38. Feb. 1946. 420 W27

21782 MOROZOVSKAYA, M. I. Epidemiologicheskie osobennosti vpyshki maliarii v 1943/44 g. po Khar'kovskoi oblasti i pery ee likvidatsii [Epidemiological characteristics of the outbreak of malaria in 1943-1944 in the Kharkov Region and methods of its eradication]. Med. Parazitol. i Parazit. Bolezni 14(2): 13-18. 1945. 448.8 M469

21783 NABOKOV, V. A. Nekotorye svedeniia o tiodifenilamine [Some information on thiodiphenylamine]. Med. Parazitol. i Parazit. Bolezni 14(2): 81-82. 1945. 448.8 M469

As a mosquito larvicide.

21784 PARAENSE, W. L. A transmissão de *Plasmodium gallinaceum* pelo *Aedes* (*Ochlerotatus*) *lepidus*. Inst. Oswaldo Cruz. Mem. 42(1): 81-84. 1945. 448.9 In74

English summary.

21785 POLUMORDVINOV, A. D. Vysokogornaya malarifa v Tuzhnom Tadzhikistane (Highland malaria in Southern Tadzhikistan). Med. Parazitol. i Parazit. Bolezni 14(2): 18-20. 1945. 448.8 M469

Includes discussion of *Anopheles* as vectors.

21786 REEVES, W. C., and HALLON, W. M. Laboratory transmission of Japanese B encephalitis virus by seven species (three genera) of North American mosquitoes. J. Expt. Med. 83: 185-194. Mar. 1, 1946. Ref. 448.8 J822

With the technical assistance of G. G. Wolf and C. Espana.

21787 RIBBANDS, C. R. Anopheline life-cycles and population fluctuations. Nature [London], 157: 232-233. Feb. 23, 1946. 472 N21

21788 TARABUKHIN, I. A., and VANSHTOK, A. P. K obosnovaniu aviapylitel'nykh rabot na protivopolozhnom beregu naselennogo punkta, raspolozhennogo na bol'shoi reke. Med. Parazitol. i Parazit. Bolezni 14(2): 75-76. 1945. 448.8 M469

Flight of marked mosquitoes proved need for dusting operations in Berdsk village in the Novosibirsk Region.

21789 VINOGRADSKAYA, O. N. Sukhostoichivost' i vlagolubivost' vidov anofeles [Concerning the xerophilous and hygrophilous habits of various species of *Anopheles*]. Med. Parazitol. i Parazit. Bolezni 14(2): 28-37. 1945. Ref. 448.8 M469

21790 WISECUP, C. B., BROTHERS, W. C., and WIDE, P. M. Airplane spraying of rice fields with DDT to kill mosquito larvae. J. Econ. Ent. 38: 686-688. Dec. 1945. 421 J822

21791 ZOLOTAREV, E. KH. *Anopheles maculipennis* Severnogo Irana (*Anopheles maculipennis* of Northern Iran). Med. Parazitol. i Parazit. Bolezni 14(2): 50-57. 1945. Ref. 448.8 M469

#### HEMIPTERA (HETEROPTERA AND HOMOPTERA)

21792 BEALER, R. H. The *Erythroneura* of the vulnerata group (Homoptera-Cicadellidae). Kans. Ent. Soc. J. 19(1): 15-22. Jan. 1946. 420 K13

Includes one n. sp.

21793 BEALER, R. H. The genus *Stenocranus* in America north of Mexico (Homoptera-Fulgoroidea-Delphacinae). Kans. Ent. Soc. J. 19(1): 1-11. Jan. 1946. 420 K13

Includes 5 n. spp.

21794 CAMERON, A. E. Planning scale, *Aonidiella aurantii*, control; early treatment essential for effective measures. Citrus News 21: 186. Dec. 31, 1945. 80 Q494

21795 CARAYON, J. Pénétration et dispersion des spermatozoïdes dans l'organisme des femelles de certains hémiptères. Paris. Acad. des Sci. Compt. Rend. 222: 107-109. Jan. 2, 1946. 500 P21

21796 CHINA, W. E. A completely blind bug [*Anommatocoris minutissimus*] of the family Lygaeidae (Hemiptera Heteroptera). Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 126-128. Oct. 31, 1945. 420 L84Pb

21797 DELONG, D. M. The Mexican species of *Idiodonus* (Homoptera-Cicadellidae). Ohio J. Sci. 46: 13-30. Jan. 1946. 410 Qh3

30 new species and new sgen. *Angulamus*.

21798 DRAKE, C. J., and HARRIS, H. M. A new mesoveliid from Ecuador (Hemiptera, Mesovelidae). Brooklyn Ent. Soc. B. 41(1): 8-9. Feb. 1946. 420 B79

*Mesovelia hambletoni*.

21799 FLANDERS, S. E. Coincident infestations of *Aonidiella citrina* and *Coccus hesperidum*, a result of ant [*Iridomyrmex humilis*] activity. (Sci. note.) J. Econ. Ent. 38: 711-712. Dec. 1945. 421 J822

Ant protects scale from oviposition of parasite *Comperiella bifasciata*.

21800 FRAZIER, N. W. Sabadilla for the control of the green stinkbug [*Acrosternum hilare*]. (Sci. note.) J. Econ. Ent. 38: 720. Dec. 1945. 421 J822

21801 FROESCHNER, R. C. The Cercopidae or spittlebugs of Missouri. Kans. Ent. Soc. J. 19(1): 30-35. Jan. 1946. Ref. 420 K13

21802 HUGHES-SCHRADER, S. A new type of spermiogenesis in iceryine coccids--with linear alignment of chromosomes in the sperm. J. Morph. 78(1): 43-83. Jan. 1946. Ref. 444.8 J826

21803 IVANOFF, S. S. A seedling method for testing aphid [*Aphis gossypii*] resistance. J. Hered. 36: 357-361. Dec. 1945. 442.8 Am3



- 21804 JACOB, F. H. Note on the classification of the British species of "black aphides" (Homoptera, Aphididae). Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 102-110. Aug. 30, 1945. Ref. 420 L84Pb
- 21805 KNOWLTON, G. F. Labops damage to range grasses. (Sci. note.) J. Econ. Ent. 38: 707-708. Dec. 1945. 421 J822
- 21806 KNOWLTON, G. F. Nabis at light. Brooklyn Ent. Soc. B. 40: 158. Dec. 1945. 420 B79
- 21807 KNOWLTON, G. F. Pseudoepameibaphis aphid records. Brooklyn Ent. Soc. B. 41(1): 5. Feb. 1946. 420 B79
- 21808 KNOWLTON, G. F. Two squash root aphids. (Sci. note.) J. Econ. Ent. 38: 707. Dec. 1945. 421 J822
- Trifidaphis phaseoli; Anuraphis middletonii.
- 21809 KNULL, D. J. Erythroneura of the obliqua group from Ohio and Tennessee (Homoptera: Cicadellidae). Ohio J. Sci. 46: 45-49. Jan. 1946. 410 Oh3
- 5 new species.
- 21810 MESA CARRIÓN, F. La langosta [Cicadidae], está causando graves danos en una vasta zona del país. Uruguay. Min. de Ganad. y Agr. E. Inform. 2: 21. Jan. 17, 1946. 9.9 G15B
- 21811 NÚÑEZ ANDRADE, R. Dermatitis causada por Haematosiphon inodora (Duges. 1892). Medicina; Rev. Mex. 26: 45-51. Feb. 10, 1946. 448.8 E4693
- 21812 OLALQUIAGA FAURE, G. Dos enemigos naturales y una planta mesonera de la "Escama de San José [Aspidiotus perniciosus]" nuevos para Chile. Unión Agr. del Sur 3(20): 45-47. Nov. 1945. Ref. 9.3 Un3
- Aphytis diaspidis and Aspidiotiphagus citrinus; grape added to list of host plants for Chile.
- 21813 PICKLES, A. Field trials of insecticides for the control of the sugarcane froghopper. Trop. Agr. [Trinidad], 23: 9-11. Jan. 1946. 26 T754
- DDT and sabedilla against Tomaspsis saccharina.
- 21814 TUNELAD, B. Några iakttagelser i samband med besprutningsförsök mot skorv [Some observations in connection with spraying against scurfy scale, Chionaspis furfura]. Sweden. Statens Värtskyddsanst. Värtskyddsanst. No. 6, p. 87-88. Dec. 1, 1945. 464.9 Sw3V
- 21815 VIEL, G. Valeur insecticide des huiles végétales dans la lutte contre le pou de San José [Quadraspidotus [i. e. Aspidiotus] perniciosus Comst.]. Paris. Acad. des Sci. Compt. Rend. 221: 589-590. Nov. 12, 1945. 505 P21
- 21816 VISSER, E. Citrus diseases and their control; (a proposal). Palestine Tribune 1(48): 15. Dec. 27, 1945. 280.8 P172
- Chiefly control of Saissetia oleae.
- 21817 WALTON, R. R. Chinch bug [Blissus leucopertus] dust barrier: preliminary tests. (Sci. note.) J. Econ. Ent. 38: 713-714. Dec. 1945. 421 J822
- 21818 WHITE, W. S. The environmental conditions affecting the genetic mechanism of wing production in the chrysanthemum aphid. Amer. Nat. 80: 245-270. Mar. 1, 1946. Ref. 470 Am36
- 21823 COCKERELL, T. D. A. African halictine bees. Entomologist 79: 42-44. (Cont.) Feb. 1946. 421 En8
- Five n. spp. in Halictus.
- 21824 COCKERELL, T. D. A. Halictine bees (Hymenoptera) from Africa (I). Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 119-125. Oct. 31, 1945. 420 L84Pb
- Fifteen n. spp. in Halictus.
- 21825 ECKERT, J. E. Ants and their control. Pest Control and Sanit. 1(3): 8-9. Mar. 1946. 421 P432
- 21826 HAMBLETON, E. J. El exterminio del zompo [Atta spp.]. Guatemala. Dir. Gen. de Agr. Rev. Agr. (ser. 2) 1: 593-597. Aug./Sept. 1945. 8 G934
- 21827 KENNEDY, C. H. Myrmecological technique. I. The use of ether in collecting ants. Ohio J. Sci. 46: 10-12. Jan. 1946. 410 Oh3
- 21828 PATE, V. S. L. On two species of Oxybelus at Washington, D. C. (Hymenoptera, Sphecidae). Brooklyn Ent. Soc. B. 40: 165. Dec. 1945. 420 B79
- 21829 PATE, V. S. L. The species of the gorytine genus Trichogorytes (Hymenoptera, Sphecidae). Brooklyn Ent. Soc. B. 41(1): 15-17. Feb. 1946. 420 B79
- 21830 PATE, V. S. L. Vernacular versus Latin names in the bees (Hymenoptera: Sphecidae). Brooklyn Ent. Soc. B. 41(1): 13. Feb. 1946. 420 B79
- 21831 PRICE, W. A. The Alleghany mound ant [Formica exsectoides] and its control. (Sci. note.) J. Econ. Ent. 38: 706. Dec. 1945. 421 J822
- 21832 RAD, P. Notes on the behavior of a few solitary wasps. Brooklyn Ent. Soc. B. 41(1): 10-11. Feb. 1946. 420 B79
- 21833 REASONS for the success of Argentine ant [Iridomyrmex humilis]. Pest Control and Sanit. 1(3): 11. Mar. 1946. 421 P432
- 21834 RISTER, D. R. Ants and aphids. Amer. Bot. 51: 68-70. July 1945. 450 Am33
- 21835 SMITH, M. R. Ant hosts of the fungus, Laboulbenia formicarum Thaxter. Ent. Soc. Wash. Proc. 48: 29-31. Feb. 1946. Ref. 420 W27
- 21836 TISSOT, A. M. Home and garden ant control. Fla. Grower 54(1): 16-17. Jan. 1946. 80 F6622
- 21837 WHITING, A. R. Motherless males from irradiated eggs. Science 103: 219-220. Feb. 22, 1946. 470 Sci2
- X-ray treatment of Microbracon hebetor.
- 21838 WRIGHT, A. E. Syrphidae from N. Lancashire and S. Westmorland in 1944. North West. Nat. 20: 71-72. Mar./June 1945. 410 NE1
- See also Apiculture and Apis mellifera.

## LEPIDOPTERA

## HYMENOPTERA

- 21819 AHLBERG, O. Plommonstekeln [Hoplocampa minuta] och dess bekämpning. Sweden. Statens Värtskyddsanst. Flygbl., No. 77, 4 p. 1945. 464.9 Sw3
- 21820 BASINGER, A. J. Problem of ants persists. Citrus Leaves 26(2): 11. Feb. 1946. 80 C492
- 21821 BENSON, R. B. Synergus evanescens Mayr in stunted acorns (Hym. Cynipidae). Entomologist 79: 46. Feb. 1946. 421 En8
- 21822 BRUNER, S. C., and OCHOA, L. Métodos para combatir la bibijagua [Atta insularis]. Cuba. Min. de Agr. Almanaque (1946): 2. 127-132. 8 C896
- 21839 BEALL, G., and WILLIAMS, C. B. Geographical variation in the wing length of Danaus plexippus (Lep. Rhopalocera). Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent. 20: 65-76. Oct. 19, 1945. 420 L84Pa
- 21840 BEIRNE, B. P. The genitalia of the Juncus-feeding species of Eupista (Lep.). Ent. Rec. and J. Variation 58: 13-14. Feb. 1946. 421 En89
- 21841 BENANDER, P. Släktet Xystophora Hein. och dess svenska arter [The genus Xystophora and its Swedish species]. Ent. Tidskr. 66: 129-135. (Concl.) 1945. 421 En891
- 21842 BOVEY, P., and MARTIN, H. Essais comparatifs de lutte contre la teigne [Argyresthia ephippellia] des fleurs du cerisier. Rev. Romande d'Agr., de Vitic. et d'Arbor., No. 2, p. 6-7. Feb. 1945. 17 J82A
- 21843 BRUNER, S. C., and DESCHAPPELLES, J. B. La palomilla del maíz [Laphygma frugiperda], o gusano de la yerba y medios de combatirla. Cuba. Min. de Agr. Almanaque (1946) 2: 50-56. 8 C896



- 21844 CARLSON, F. W., and YOTHERS, M. A. The persistence of toxicity to codling moth [*Carpocapsa pomonella*] larvae of 4,6-dinitro-o-cresol applied as a tree-trunk spray. (Sci. note.) J. Econ. Ent. 38: 723. Dec. 1945. 421 J822
- 21845 CARPENTER, G. D. H. Notes on Charaxes (Lep., Nymphalidae) in the Hope Department of Entomology, University of Oxford. Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 81-88. Aug. 30, 1945. Ref. 420 L84Pb
- 21846 COCKAYNE, E. A. The genetics of *Crocallis elinguaris*, L., ab. fasciata, Gillmer, ab. brevipennis, ab. nov., and ab. unicolor, Prout. Ent. Rec. and J. Variation 58: 14-16. Feb. 1946. 421 En89
- 21847 CORBET, A. S. The Linnaean names of Indo-Australian Rhopalocera. Part 4. The Chinese butterflies in the Linnaean collection obtained by Peter Osbeck in 1751. Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 91-94. Aug. 30, 1945. 420 L84Pb
- 21848 COTTIER, W., and JACKS, H. The effects of rotenone-bearing dusts on the diamond-back moth (*Plutella maculipennis* Curt.). New Zeal. J. Sci. and Technol. 27: 244-249. Oct. 1945. Ref. 514 N48A
- 21849 DOS PASSOS, C. F. The photography of types of Lepidoptera. Brooklyn Ent. Soc. B. 40: 166-169. Dec. 1945. 420 B79
- 21850 EASTON, N. T. Butterfly jottings in 1945. Entomologist 79: 37-41. Feb. 1946. 421 En8  
British records.
- 21851 ELIASSON, H. Macrolepidopterfauna i Altkarleby. Ent. Tidskr. 66: 136-154. (To be cont.) 1945. 421 En891
- 21852 ELLIS, E. A. The present status of *Papilio machaon* in East Anglia. Entomologist 79: 45-46. Feb. 1946. 421 En8
- 21853 FISHER, K. J. Butterfly migration in eastern Asia. Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent. 20: 77-81. Oct. 19, 1945. 420 L84Pa
- 21854 FULTON, B. B. The pickleworm [*Diaphania nitidalis*]: cucurbit enemy No. 1. Res. and Farming. [N. C. Sta.] Prog. Rpt. 4(2): 6-7, 10. Jan. 1946. 100 N81R
- 21855 GOMES, J. A. P. A traça da batata *Gnorimoschema operculella*, Portugal. Junta Nac. das Frutas. B. 5(5): 19-24. May 1945. 286.3939 P83
- 21856 GUNNING, J. G. Plow to kill the borer [*Pyrausta nubilalis*]. Successful Farming 44(3): 31, 46. Mar. 1946. 6 Sul2
- 21857 HEINRICH, C. A new species of *Keiferia* [K. peniculo] on eggplant (Lepidoptera: Gelechiidae). Ent. Soc. Wash. Proc. 48: 35-36. Feb. 1946. 420 W27
- 21858 HOVANITZ, W. Note on the direction of flight of butterflies in northern Florida. Brooklyn Ent. Soc. B. 40: 170-171. Dec. 1945. 420 B79
- 21859 HOUGH, W. S. Suggested DDT spray program for codling moth [*Carpocapsa pomonella*], control. Amer. Fruit Grower 66(2): 17, 35-36. Feb. 1946. 80 G85
- 21860 JACKSON, M. "A ghost tree" and its tenants [*Hyponomeuta*]. North West. Nat. 20: 71. Mar./June 1945. 410 N81
- 21861 KETTLEWELL, H. B. D. Further observations on *Panaxia dominula*. Entomologist 79: 31-32. Feb. 1946. 421 En8
- 21862 H., L. Noctuelle des moissons, noctuelle potagère et leurs chenilles [*Phalaena segetum* and *Phalaena gamma*]. Assoc. des Chim. B. 62(1/3): 30-33. Jan./Mar. 1945. 383 As7
- 21863 NORDSTRÖM, F. *Phytometra confusa* Steph. i Sverige. Ent. Tidskr. 66: 170-176. 1945. 421 En891
- 21864 ON DRAWING conclusions. By an Old Moth-Hunter. Ent. Rec. and J. Variation 58: 21-22. Feb. 1946. 421 En89  
Note on egg and cocoon of *Cerura bicuspis*.
- 21865 OSORIO, J. M. El medidor *Melanchroia geometroides*, del grosellero [*Phyllanthus distichus*]. Control de Plagas 3: 24-25, 27. Feb. 1946. 464.3 G76
- 21866 PATTENSPERGER, H. E. 2000 acres sprayed with phenothiazine for *Carpocapsa pomonella* on apple. Va. Fruit 34(2): 4, 6, 8. Feb. 1946. 81 V81E
- 21867 ROGERS, W. P. Some autumn visitors. Brooklyn Ent. Soc. B. 41(1): 14. Feb. 1946. 420 B79  
Migrating Lepidoptera.
- 21868 ROSS, W. A. Oriental fruit moth [*Grapholitha molesta*] situation in Niagara Peninsula for 1946. Canad. Hort. & Home Mag. 69: 28. Feb. 1946. 80 C16
- 21869 SCHWANNITSCH, B. N. Wing-pattern in lycaenid Lepidoptera. Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent. 20: 97-100. Oct. 19, 1945. 420 L84Pa
- 21870 SIEGLER, E. H., and FLECK, E. E. Alpha-trichloromethyl-substituted benzenes to control codling moth [*Carpocapsa pomonella*] larvae. (Sci. note.) J. Econ. Ent. 38: 716-717. Dec. 1945. 421 J822
- 21871 SIEGLER, E. H., and GERTLER, S. I. N-substituted p-toluenesulfonamides to control codling moth [*Carpocapsa pomonella*] larvae. (Sci. note.) J. Econ. Ent. 38: 715. Dec. 1945. 421 J822
- 21872 SIEGLER, E. H., and GERTLER, S. I. Toxicity tests of certain N-substituted 2,4-dinitroanilines on codling moth [*Carpocapsa pomonella*] larvae. (Sci. note.) J. Econ. Ent. 38: 708-709. Dec. 1945. 421 J822
- 21873 STEINLAUS, E. A. Bacterial infections of potato tuber moth [*Gnorimoschema operculella*] larvae in an insectary. (Sci. note.) J. Econ. Ent. 38: 718-719. Dec. 1945. 421 J822
- 21874 TALBOT, G. Three new subspecies of *Mylothris* from Kenya (Lep. Pieridae). Entomologist 79: 33. Feb. 1946. 421 En8
- 21875 TURNER, H. J. The British Noctuae [i. e. Phalaenidae] and their varieties. (Cont.) Ent. Rec. and J. Variation 58(2, sup.): 225-232. Feb. 1946. 421 En89
- 21876 URQUHART, F. A. Giant silkworm moths. Canad. Nature 8: 64-65. Mar./Apr. 1946. 410 C162  
Sturniidae.
- 21877 WATSON, J. R. Some August skippers [Hesperiidae] of the Great Smoky Mountain National Park and vicinity. Fla. Ent. 28: 50-53. Feb. 1946. 420 F662
- 21878 WILLIAMS, C. B. Migration of butterflies. Roy. Soc. Arts J. 94: 178-179. Feb. 15, 1946. 501 L847J  
Dr. Mann juvenile lecture.
- 21879 YOTHERS, M. A., and CARLSON, F. W. Three years of orchard tests of 4,6-dinitro-o-cresol against overwintering codling moth [*Carpocapsa pomonella*] larvae. (Sci. note.) J. Econ. Ent. 38: 723-724. Dec. 1945. 421 J822

See also Sericulture and the Silkworm.

#### ORTHOPTERA

- 21880 ANDER, K. Revision einiger orthopteren-typen von C. P. Thunberg. Ent. Tidskr. 66: 157-162. 1945. 421 En291
- 21881 CARPENTER, G. D. H. Notes by E. Burt, B. Sc., F.R.E.S., on the habits of a species of *Oxyptilus* (Mantidae), and the flight of the male of a species of *Palophus* (Phasmidae). Roy. Ent. Soc. London, Proc. Ser. A, Gen. Ent. 20: 82-83. Oct. 19, 1945. 420 L84Pa
- 21882 CHAUVIN, R. Sur la substance qui, dans les feuilles de *Nelia azedarach*, repousse les criquets. Paris. Acad. des Sci. Compt. Rend. 222: 412-414. Feb. 11, 1946. 505 P21

- 21883 FRINGS, H. W. Gustatory thresholds for sucrose and electrolytes for the cockroach, *Periplaneta americana* (Linn.). U. S. Dept. Com. Off. Pub. Bd. Rpt. 4035, 26 p., processed. Washington, 1945. 157.8 R29
- 21884 KNOWLTON, G. F. Cats eat grasshoppers. Brooklyn Ent. Soc. B. 41(1): 18-19. Feb. 1946. 420 B79
- 21885 KNOWLTON, G. F. Pigmy mole cricket [*Tri-dactylus minutus*]. Brooklyn Ent. Soc. B. 40: 169. Dec. 1945. 420 B79
- 21886 MUNSON, S. C., and YEAGER, J. F. Concentration-survival time relationship for roaches injected with arsenicals. J. Econ. Ent. 38: 634-642. Dec. 1945. 421 J822
- 21887 REHN, J. A. G. A new genus and species of locust of the group Euthymiae (Orthoptera, Acrididae, Cyrtacanthacridinae) from South Africa [*Karrula paradoxa*]. Notulae Nat., No. 155, 7 p. July 13, 1945. 500 P53No
- 21888 REHN, J. A. G. A new genus and species of Phaneropterinae from eastern Peru (Orthoptera; Tettigoniidae) [*Parangara campala*]. Notulae Nat., No. 150, 7 p. Mar. 28, 1945. 500 P53No
- 21889 REHN, J. A. G. Orthoptera from Ulithi Atoll, western Caroline Islands, with the description of a new subspecies of *Valanga* [*V. nigricornis allenii*]. Notulae Nat., No. 157, 11 p. Aug. 1, 1945. 500 P53No
- 21890 REHN, J. A. G. Three new species of the reticulosa group of the blattid genus *Cariblatta* (Orthoptera, Blattellidae, Pseudomopinae). Notulae Nat., No. 149, 15 p. Mar. 14, 1945. 500 P53No
- 21891 RICHARDSON, C. H. Rate of penetration of nicotine into the cockroach [*Periplaneta americana*] from solutions of various hydrogen ion concentration. (Sci. note.) J. Econ. Ent. 38: 710-711. Dec. 1945. 421 J822
- 21892 SEVERIN, H. C. Grasshoppers ovipositing in a pile of coal. Brooklyn Ent. Soc. B. 40: 159-160. Dec. 1945. 420 B79
- 21893 THOMAS, G. Grasshoppers on Southern Highlands; demonstration of bait mixing. Country Life [Sydney], 57(29): 4. Jan. 18, 1946. 286.85 Sy8  
*Phaulacridium vittatum*.
- 21901 GUNN, J. W. Termites can attack you. West. Livestock J. 24(17): 62. Feb. 15, 1946. 6 F2278
- 21902 JORDAN, H. E. K. On the deciduous frontal tubercle of some genera of Siphonaptera. Roy. Ent. Soc. London, Proc. Ser. B, Taxonomy 14: 113-116. Oct. 31, 1945. 420 L84Pb
- 21903 KJELLANDER, E. Bekämpningsförsök mot tve-stjärtar [*Forficula auricularia*?]. Sweden. Statens Växtskyddsanst. Växtskyddsnotiser, No. 6, p. 85-87. Dec. 1, 1945. 464.9 Sw3V  
Chiefly control by DDT.
- 21904 KNOWLTON, G. F. Neuroptera in light trap. Brooklyn Ent. Soc. B. 41(1): 19. Feb. 1946. 420 B79
- 21905 LLOYD, L. C. Shropshire dragonflies [Odonata]. North West. Nat. 20: 68-70. Mar./June 1945. 410 N81
- 21906 MCCAWLEY, W. E., and FLINT, W. P. How do termites reproduce? Pest Control and Sanit. 1(3): 19. Mar. 1946. 421 P432
- 21907 MONTES DE OCA, J. El tifo en Costa Rica. Ofic. Sanit. Panamericana. B. 24: 980-981. Nov. 1945. 150.9 B872  
English summary.  
Probably transmitted by *Xenopsylla* spp.
- 21908 NEEDHAM, J. G. Some dragonflies [Odonata] of early spring in south Florida. Fla. Ent. 28: 42-47. Feb. 1946. 420 F662
- 21909 SCHEINERT, C. A. Silverfish *Lepisma saccharina*, rayon entusiast. Nature Mag. 39: 149. Mar. 1946. 409.6 N214
- 21910 UPTON, R. G. The use of DDT and 1080 in murine typhus control in the Southwest. Pests 14(3): 24, 26. Mar. 1946. 449.8 Ex8  
Transmitted by *Xenopsylla cheopis*.
- 21911 WATSON, J. R. Distributional notes on two species of Thysanoptera; an addition to the Thysanoptera of the U. S. Fla. Ent. 28: 53. Feb. 1946. 420 F662  
*Teniothrips atratus*, *Frankliniella bratleyi*.
- 21912 WHEELER, W. H. Thrips control with phenol solutions. New England Gladiolus Soc. Gladiolus (1946) 21: 47-48. 96.43 N44
- 21913 WITTEW, S. H., and HASEMAN, L. Soil nitrogen and thrips [*Heliothrips haemorrhoidalis*] injury to spinach. Science 103: 331-332. Mar. 15, 1946. Ref. 470 Sci2

## SERICULTURE AND THE SILKWORM

- 21894 DOUTY, D. E. Silk return is likely to be rather slow; report on investigation of Japan's silk industry. Amer. Wool & Cotton Rptr. 60(12): 13, 15-16. Mar. 21, 1946. 304.8 W88
- 21895 REIMER, H. The present position of the Japanese rayon and silk industry. (Abs.) Silk J. and Rayon World 21(261): 44. Feb. 1946. 304.8 S13
- 21896 VILHENA, M. Noções de sericultura. Brazil. Dept. Nac. de Prod. Veg. Secq. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 123-138. (Cont.) Dec. 1945. 9.2 B7363
- 21897 WEKERLIN, H. C. Sericicultura e cooperativismo. Brazil. Dept. Nac. de Prod. Veg. Secq. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 19-20. Dec. 1945. 9.2 B7363

## SMALLER ORDERS

- 21898 ATTLEE, H. G. Odonata in 1945. Entomologist 79: 34-36. Feb. 1946. 421 En8  
British records.
- 21899 BEATTY, G. H., III. Odonata collected and observed in 1945 at two artificial ponds at Upton, New Jersey. Brooklyn Ent. Soc. B. 40: 178-187. Dec. 1945. 420 B79
- 21900 GISIN, H. Protoures, Protura, de la Suisse. Rev. Suisse de Zool. 52: 513-534. Dec. 1945. Ref. 410 R324
- 21914 DOOLEY, B. L. Extensive cattle lice spraying helps in Carter County. Mont. Farmer 33(13): 27. Mar. 1, 1946. 6 M764
- 21915 KOMAROVA, M. I. Piridinovye osnovaniya kak sredstvo po bor'be so vshivost'f'u [Pyridine base in the control of Pediculus humanus]. Med. Parazit. i Parazit. Bolezni 14(2): 74. 1945. 448.8 M469
- 21916 SCHWARDT, H. H. The annual winter battle against cattle lice. Amer. Agr. 143: 116. Mar. 2, 1946. 6 Am3
- 21917 STALLYBRASS, C. O. Typhus fever. Pub. Health [London] 59(5): 63-64. Feb. 1946. 449.8 P96  
Control of lice by DDT.
- 21918 TELFORD, H. S. DDT as a chicken louse control. J. Econ. Ent. 38: 700-703. Dec. 1945. 421 J822
- 21919 WERNECK, F. L. Os tricodectídeos dos roedores (Mallophaga). Inst. Oswaldo Cruz. Mem. 42(1): 85-150. 1945. 448.9 In74  
New spp. in: *Geomydoecus* 2; *Eutrichophilus*.  
French summary.



## AGRICULTURAL ENGINEERING

## GENERAL

21920 BERGLUND, N. Den jordbrukstekniska forskningen och upplysningsverksamheten. Erfarenheter från Sverige. Tidskr. for det Norske Landbr. 52: 237-253. Dec. 1945. 11 T433

Agricultural engineering research and information service in Sweden.

21921 BIDLACK, H. C. Poultry debeaking. Agr. Leaders' Digest 27(2): 24. Feb. 1946.

275.28 Am3

Describes a debeaking machine.

21922 CARTER, K. Saddlehorses of the sky. Nebr. Farmer 88(1): 1, 14, 18, 21. Jan. 5, 1946.

6 N27

Use of airplanes in farm work.

21923 CHAPMAN, F. W. Does your community have a plant for...making concrete blocks. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(3): 17, 82. Mar. 1946. 6 P945G

21924 COTTRELL-DORMER, W. An electric pollinator for tomatoes. Queensland J. Agr. Sci. 2: 157-169. Sept. 1945. 23 Q37

21925 CURTIS, H. A farmer learns to fly. Successful Farming 44(2): 32-33. Feb. 1946. 6 Sul2

Use of airplanes in work connected with agriculture.

21926 DAHLGREN, B. O. Betesmarkernas h gnader [Pasture fences]. Lantmannen 29: 1152-1153. Dec. 22, 1945. 11 L234

21927 ELLIOTT, B. L. Fire prevention; Mendocino County Range Land Clearing Committee offers concrete program to State Division of Forestry; a plan for control burning. Calif. Wool Grower 22(8): 5. Feb. 19, 1946. 45.8 G12

21928 EMERSON, A. W. Equipment for fighting the prairie fire hazard. Impl. & Tractor 61(4): 24-25, 36, 40, 72. Feb. 23, 1946. 58.8 W41

21929 GIMSE, H. Fire inspection pays! Farm Sci. Rptr. 7(1): 19-22. Jan. 1946. 275.28 F22

21930 GILBERT, F. A. Eliminating excess labor when removing grape prunings. N. J. State Hort. Soc. Hort. News 27: 1791. Jan. 1946. 81 M46

Use of brush remover, attached to tractor.

21931 HILLS, L. D. Tools bright - labour light. Pop. Gard. 47: 414. Feb. 23, 1946. 80 G1622

21932 KING, T. E. Postwar improvements in greenhouses described. I. South. Florist and Nurseryman 58(48): 7-8. Mar. 1, 1946. 80 S686

21933 MERRIAM, T. H. Winter concrete work. Mich. Farmer 206: 154. Mar. 2, 1946. 6 M58

21934 MOORE, A. C. Foiling the poultry thief. Poultry [London] 98: 54. Jan. 22, 1946. 47.8 P869

Theft prevention equipment.

21935 MOORE, W. C., and BRYAN, J. Preserving boxes used in horticulture. Roy. Hort. Soc. J. 71: 79-84. Mar. 1946. 84 L84J

21936 NEWMAN, E. What kind of service does the community need? Whether it's a new shop or tailoring an old shop to provide new services, the first consideration in buying new machines, or setting up for special jobs is the service demands of the territory. Farm Impl. News 67(6): 66. Mar. 14, 1946. 58.8 F22

21937 PRATT, R. Moving hay stacks. Mont. Farmer 33(13): 7. Mar. 1, 1946. 6 M764

21938 REED, E. E. Let's get New Jersey out of the mud. N. J. Farm and Gard. 17(3): 19-20. Mar. 1946. 6 G162

Road improvement.

21939 RODDA, T. E. Erecting a seven-wire fence. New Zeal. J. Agr. 72(1): 5, 7-13. Jan. 15, 1946. 23 N485

21940 SEVERSON, H. Pilots in blue denim. Banking 38(9): 50-51, 123. Mar. 1946. 284.8 Am3

Airplane operation by farmers.

21941 SIMMONS, C. This chap has gadgets, ideas. Pacific Rural Press, North. Ed. 151: 204. Mar. 2, 1946. 6 P112A

Mechanical and farm activities of William L. Simmons.

21942 SWANSON, R. C. How agricultural leaders can emphasize farm safety. Better Farming Methods 18(3): 21, 40. Mar. 1946. 58.8 B46

21943 TEUSCHER, H. Constructing garden pool without the use of reinforced concrete. Canad. Hort. & Home Mag. 69: 29-30. Feb. 1946. 80 C16F

21944 WRIGHT, S. J. The work of the National Institute of Agricultural Engineering. Highland and Agr. Soc. Scot. Trans. (ser. 5) (1945) 57: 41-53. 10 H536

## FARM MACHINERY

## General

21945 ADAMS, J. E. Mechanization of cotton production. Cotton Trade J., Internatl. Ed. (1945/46) 14: 134-135, 144. 72.8 C8214I

21946 BABCOCK, H. E. One man, one vote. Coop. Digest 6(9): 54-55. Mar. 1946. 280.28 C7896

Chiefly on farm mechanization.

21947 BAGGETTE, T. L. Cotton mechanization---by machine and flame. Cotton and Cotton Oil Press 47(4): 5-6, 10, 14. Feb. 23, 1946. 304.8 C822

21948 BAGGETTE, T. L. Engineering expert reviews Delta farm mechanization; discussion of power implements presented to agriculturists. Cotton Trade J. 26(8, i. e. 7): 6. Feb. 16, 1946. 72.8 C8214

21949 BARLOW, F. D., JR., and FENSKE, L. J. The mechanization of cotton production in upland areas. La. Rural Econ. 8(1): 4-5. Feb. 1946. 281.8 L93

21950 BLACK, J. J. Transport on the holding; a little ingenuity often lightens labour; sack-barrows, for instance, are a useful aid. Smallholder 74 (1872): 18. Feb. 1, 1946. 10 S41

21951 BURLEY, R. H. Reclaimed land profitably converted to pasture and hay. Aberdeen-Angus J. 27 (7): 64-65. Feb. 1946. 43.8 Ab3

Brush mower in Oklahoma.

21952 BURRELL, A. B. Machinery for applying apple, scab control sprays and dusts. Amer. Fruit Grower 66(2): 18-19, 37-39, 43, 45. Feb. 1946. 80 G85

21953 COKE, J., and GOSSELIN, A. Post war trends in farm machinery purchases in eastern Canada. Econ. Annal. 16(1): 20-23. Feb. 1946. 280.8 Ec75

21954 DAIL, H. M. The dealer's stake in reconversion; an understanding of farm problems and widening farm horizons is one of the best assurances of a farm equipment dealer's success in the challenging year that lies ahead. Impl. and Tractor 61(1): 40-41. Jan. 12, 1946. 58.8 W41

21955 DEVLIN, S. Farm equipment companies under today's conditions. Mag. Wall St. 77: 707, 738-739. Mar. 16, 1946. 286.8 M27

21956 DRUCE, P. C. The N. S. W. farm mechanisation scheme; its history and future possibilities. N. S. Wales. Dept. Agr. Div. Mktg. and Agr. Econ. Rev. Mktg. and Agr. Econ. 14(1): 10-17. Jan. 1946. 286.8 N47M

21957 THE ENGINEERING outlook. VII. Agricultural machinery. Engineering 161: 172-174. Feb. 22, 1946. 290.8 En322

21958 GRAA, H. Mekaniseringen i russisk landbrug. Andelsbladet 47: 161-164. Feb. 7, 1946. 280.28 An2

Farm mechanization in U. S. S. R.

21959 HELLT, D. L. Demonstrations prove importance of learning by seeing and doing. Agr. Leaders' Digest 27(2): 20. Feb. 1946. 275.28 Am3

Chiefly on equipment.



- 21960 HENDRICKSON, A. G., and WAGNER, C. P. What does a farmer do with an arc welder? Farm Impl. News 67(6): 60, 62. Mar. 14, 1946. 58.8 F22
- 21961 IF NEW ZEALAND is to hold her position we need more mechanisation. By "Sentinel." New Zeal. Dairy Exporter 21(6): 19-20. Feb. 1946. 44.8 M484
- 21962 LEFFINGWELL, G. Beating the elements through synthetic alkyl resin paints. Impl. and Tractor 61: 48-49. Mar. 9, 1946. 58.8 W41
- 21963 LONNEMARK, H. Maskinstationer i jordbruket. Försök och Forskning 2: 168-170. Nov. 1945. 11 F77
- Rental use of farm equipment in Sweden.
- 21964 MAUGHAN, G. L. Keep that rust away. Farmer & Stock-Breeder 60: 80. Jan. 8, 1946. 10 F228
- 21965 MEEK, W. E. The new vision in the Old South. Farm Impl. News 67(5): 38, 56, 58, 60. Feb. 28, 1946. 58.8 F22
- Mechanization.
- 21966 MERRILL, R. D. In light of the past, let's face the future. Impl. and Tractor 61: 56, 85, 108. Mar. 9, 1946. 58.8 W41
- 21967 PHELPS, A. W. The outlook for farm equipment. East. Dealer 39(11): 10. Jan. 1946. 58.8 Ea7
- 21968 SERVICING the farming effort--V. Farm Impl. & Mach. Rev. 71: 852-854. Feb. 1, 1946. 58.8 Im72
- 21969 SHAWL, R. I. Using power and equipment. Amer. Poultry J., Cent. Ed. 77(3): 58. Mar. 1946. 47.8 Am32
- 21970 SMITH, H. P. What's new in cotton production; mechanized equipment is speeding the end of one-horse cotton farming. South. Agr. 76(3): 11, 58. Mar. 1946. 6 So83
- 21971 SNYDER, J. M. Rust, saboteur of machinery; new weapons against it are effective. Ohio Farmer, Consolidated with Ohio Stockman and Farmer 197(4): 19. Feb. 16, 1946. 6 Oh3
- 21972 STILES, J. W. Four co-op employees form their own co-op. News Farmer Coop. 12(12): 16. Mar. 1946. 166.2 N47
- Neighbors' Equipment Cooperative, Inc.
- 21973 STIMSON, T. E., JR. Mechanics are popular on the farm. Pop. Mechanics Mag. 85(3): 108-114. Mar. 1946. 291.8 P81
- 21974 TUCKER, M. Exit the man with the hoe. Ark. Agr. 23(6): 4-5. Feb. 1946. 276.8 A-42
- Mechanical production of cotton.
- 21975 VAN WAGENEN, J., JR. Learning to farm without horses. Amer. Agr. 143: 77, 100. Feb. 16, 1946. 6 Am3
- 21976 WRIGHT, S. J. Recent developments in agricultural machinery. Roy. Soc. Arts J. 94: 208-217. Mar. 1, 1946. 501 L847J
- Discussion, p. 217-218.
- 21977 ZOBELL, H. D. Hoe racks. Sugar Beet 6 (2): 21. Mar. 1946. 66.8 Su34B
- 21983 NORDLINGER, E. W. A new machine for deep fertilization. Better Crops with Plant Food 30(1): 23-25, 47-48. Jan. 1946. 6 B46
- 21984 ROBERTSON, G. Get those beet drills ready. Sugar Beet 6(2): 17. Mar. 1946. 66.8 Su34B
- 21985 SMITH, P. B. Beet mechanization starts with planting. Sugar Beet 6(2): 7-9. Mar. 1946. 66.8 Su34B
- 21986 TEMPLE, C. M. Homemade tobacco setter. South. Agr. 76(3): 26. Mar. 1946. 6 So83
- 21987 VINING, K. K. Power tree-hole digger. Capper's Farmer 57(3): 75. Mar. 1946. 6 M693
- 21988 ZINK, F. Seven ways to better fertilizing. Successful Farming 44(3): 22-23, 50-51. Mar. 1946. 6 Su12

#### Harvesting, Threshing, Driving, and Processing Equipment

- 21989 AMERICAN ROLLING MILL CO. Equipment potentials for the farmer's biggest cash crop. Impl. and Tractor 61(1): 50. Jan. 12, 1946. 58.8 W41
- Dairy industry equipment.
- 21990 ARMER, A. Improved single row Marbeet Jr. harvester is developed. Spreckels Sugar Beet B. 10(1): 4-5. 1946. 66.8 Sp7
- 21991 ARMER, A. Marbeet harvester performance in the Sacramento and San Joaquin Valleys. Spreckels Sugar Beet B. 10(1): 2-3. 1946. 66.8 Sp7
- 21992 ARMSTRONG, T. V., and BURGWALD, L. H. A comparison of the cleansing of square and round milk bottles under regular commercial conditions. Milk Plant Monthly 35(3): 30, 32, 34. Mar. 1946. 44.8 C864
- 21993 BALFOUR, EARL. Combine or binder? Scot. J. Agr. 25: 219-223. Jan. 1946. 10 Sco82So
- 21994 BENNETT, F. W. Using small vacuum pans in ice cream plants. (Excerpts.) Ice Cream Rev. 29(8): 44, 78. Mar. 1946. 389.8 Ic22
- 21995 BERTMAN, J. V. Milling and fodder preparation. Power Farmer 6: 29, 34, 39. Feb. 1946. 58.8 P872
- 21996 BOWEN, J. L., GRIDGEMAN, N. T., and LONGMAN, G. F. A photoelectric photometer for the estimation of vitamin A in margarine. Analyst 71(838): 20-29. Jan. 1946. Ref. 382 An1
- 21997 BRIGGS, G. Fanning mill aid to weed control. Wis. Agr. Farmer 73(4): 40. Feb. 16, 1946. 6 W751
- 21998 BURNS, V. H. Things to watch in building a locker. Quick Frozen Foods 8(7): 142, 166. 1946. 389.8 Q4
- 21999 CONNELLY, R. G. Barn hay driers are doing well in Virginia. Hoard's Dairyman 91: 142, 166. Feb. 25, 1946. 44.8 H65
- 22000 DUNCAN, R. You need these machines to meet labour shortage on dairy farms. Irish Agr. and Creamery Rev. 14(144): 19. Dec. 1945. 44.8 C866
- 22001 FEW, F. G. The efficiency of charcoal coolers for holding cream on farms. Queensland J. Agr. Sci. 2: 190-197. Sept. 1945. 23 Q37
- 22002 FRÖSTAD, H., and KÄHLER, W. Arbetsbesparande maskiner och anordningar; erfarenheter från det gångna året. Lantmannen 29: 1145-1147. Dec. 22, 1945. 11 L234
- Labor saving machines for harvesting hay, grain and oil crops in Sweden.
- 22003 GIBBON, S. How to build a mobile extracting unit. Australasian Beekeeper 47: 125-126. Nov. 1945/Jan. 1946. 424.8 Au72
- 22004 GILES, G. W., and VEERHOFF, O. Peach research aided by new machine. Res. and Farming [N. C. Sta.] Prog. Rpt. 4(2): 4-5. Jan. 1946. 100 N81R
- Counter-sizer.
- Tillage Machinery
- 21978 EFRAIN CASTANEDA, J. El arado. Agr. Mex. 62(1): 15-16, 31-23. Jan. 1946. 8 Ag8
- 21979 KENNERLY, A. B. Plows that stop erosion. Farm and Ranch 65(2): 6. Feb. 1946. 6 T31
- 21980 SHAWL, R. I. Rotary plowing as a means of seedbed preparation. Farm Impl. News 67(6): 50-53. Mar. 14, 1946. 58.8 F22
- Planting Machines and Fertilizer Distributors
- 21981 FRANKEL, O. H., and ELLIOTT, A. G. Sub-surface broadcasting; modification to drill coulters. New Zeal. J. Agr. 72(1): 33, 35. Jan. 15, 1946. 23 N485
- 21982 GOWDER, M. T. New hand for the farmer; mechanical manure loaders relieve the farmer of a disagreeable job. South. Agr. 76(3): 18. Mar. 1946. 6 So83



- 22005 GLEN, W. S. Standardisation of dairy plant and equipment. Dairy Indus. 11: 99-104. Feb. 1946. 44.8 D1427  
Discussion, p. 104-109.
- 22006 HANSEN, K. Kløverfrøets tærskning [Threshing of clover seed]. Tidsskr. for Frøavl 17: 228-230. Aug. 10, 1945. 61.8 T43
- 22007 HARD, D. H. Helpful suggestions for planning your new dairy plant. Natl. Butter and Cheese J. 37(3): 41. Mar. 1946. 286.85 B98Bu
- 22008 HILL, L. H. High quality milk calls for water heaters and coolers. Elect. on the Farm 19 (2): 7, 21. Feb. 1946. 335.8 EL27
- 22009 HOFF, P. R. Blower mows away long hay. Elect. on the Farm 19(2): 10-11. Feb. 1946. 335.8 EL27
- 22010 INTERNATIONAL ASSOCIATION OF MILK SANITARIANS. COMMITTEE ON SANITARY PROCEDURE. Report. J. Milk Technol. 9(1): 12-21. Jan./Feb. 1946. 44.8 J824  
Planograph drawings of milk-piping fittings.
- 22011 JACKMAN, E. R., and OTIS, C. E. It's revolutionizing dairy farming. Furrow, Moline [Ed.] 51: 4, 12-13. Jan./Feb. 1946. 6 F98  
New forage harvester.
- 22012 LEWIS, J. The selection and care of farm dairy utensils and equipment. Dairy Indus. 11: 116-122, 115. Feb. 1946. 44.8 D1427
- 22013 LEWITT, F. J. Heather honey presses. Scot. Beekeeper 22: 19. Feb. 1946. 424.8 Sco8
- 22014 MCCLELLAND, J. Sugarbeet harvesters seen in Colorado field trials. Agr. Leaders' Digest 27(2): 26, 28. Feb. 1946. 275.28 Am3
- 22015 MCCOMB, A. W. Aspirin for haymaking headache. Hoard's Dairyman 91: 155. Feb. 25, 1946. 44.8 H65  
Baling and chopping equipment.
- 22016 MANDT, P. H. Convenience in a flexible dairy plant. Natl. Butter and Cheese J. 37(3): 32-35, 60, 62. Mar. 1946. 286.85 B98Bu
- 22017 MAY, R. J. Dairy plant layout and design. Dairy World [Chicago] 24(9): 11-15, 53. Feb. 1946. 44.8 D1423  
Also in Ice Cream Rev. 29(8): 52, 54, 56, 84. Mar. 1946. 389.8 Ic22
- 22018 MILLER, E. S. Mill weights and weighing; a sifting of essentials and non-essentials affecting packing and packaging processes. Amer. Miller and Processor 74(1): 86-89, 228. Jan. 1946. 280.8 Am32
- 22019 MOYER, J. C., and STOTZ, E. The application of electronics to blanching. Canner 102(5): 63, 148. Jan. 19, 1946. 286.83 C16  
Emphasis on the equipment.
- 22020 ORCHARD, M. Magic in the cotton patch. Farm and Ranch 65(3): 12, 25-26. Mar. 1946. 6 T31  
Harvesting machinery.
- 22021 PARKINSON, T. S., and TOMLINSON, G. L. All-electric farm; grain drying by electricity at St. Helens. Elect. Rev. [London] 138(3555): 51-53. Jan. 11, 1946. 335.8 EL22  
Chiefly on the grain drying equipment.
- 22022 RAY, G. Nettoyage et stérilisation des récipients et ustensiles utilisés en laiterie. Chim. & Indus. [Paris] 55(1): 23-30. Jan. 1946. 383 C42
- 22023 REDDING, W. J., JR. Marbeest harvester operations in the Salinas district. Spreckels Sugar Beet B. 10(1): 7-8. 1946. 66.8 Sp7
- 22024 RICE, E. S. Provender milling. Milling 106: 74, 94, 114, 132. Jan. 26, Feb. 2, 9, 26, 1946. 298.8 M622
- 22025 RUDNICK, A. W. Quality problems. Creamery J. 56(11): 8, 24. Nov. 1945. 44.8 C86  
Equipment sanitation in the dairy industry.
- 22026 SANTELICES, J. M. Las cosechas de trigo con segadoras trilladoras. Camposino [Santiago] 77: 737-738. Dec. 1945. 9.3 Sol2
- 22027 SAZONOV, N. Elektromolot'ba [Electric threshing]. Kolkhoz. Proizvod. 5(8/9): 21-22. Aug./Sept. 1945. 281.8 K83
- 22028 SCHMIDT, E. Der praktische maiskolben-entkerner. Schweiz. Gart., No. 10, p. 284. Oct. 1945. 80 Sch93
- 22029 SMITH, J. A. Plans and calculations for three typical locker plants. Refrig. Engin. 51: 215-219, 274. Mar. 1946. 295.9 Am32J
- 22030 STOUT, G. J. You can make your own freezer. East. States Co-op. 21(11): 10-12. Nov. 1945. 280.28 Ea7
- 22031 STRONG, J. H. Ring spinning on bare spindle--2. Textile Mercury and Argus 114: 309, 311-312. Mar. 1, 1946. 304.8 T318
- 22032 SWINK, E. T. To make hay rain or shine. South. Planter 107(3): 18-19, 30. Mar. 1946. 3 So39  
Barn hay driers.
- 22033 TESAREK, G. J. Roller mill feeders. Amer. Miller and Processor 74(1): 90-91. Jan. 1946. 280.8 Am32
- 22034 THORNHILL, F. E. American beet harvesters and loaders; their suitability for English conditions. Power Farmer 6: 40. Feb. 1946. 58.8 P872
- 22035 TRUSLOW, J. L. Novel developments found in German spinning. (Excerpts.) Fibre and Fabric 99(3189): 6-8. Mar. 16, 1946. 304.8 F44  
Chiefly on the equipment.
- 22036 WALLACE, K. L. Where do we go from here for dairy equipment and supplies. Canad. Dairy and Ice Cream J. 25(2): 33-34, 76. Feb. 1946. 44.8 C162
- 22037 WEAVER, D. S. Stokers cure tobacco better. Elect. on the Farm 19(2): 11. Feb. 1946. 335.8 EL27
- 22038 WILSON, H. L., and NESSLER, A. E. Pasteurizing equipment and its relation to proper pasteurization. (Digest.) Natl. Butter and Cheese J. 37(3): 66. Mar. 1946. 286.85 B98Bu
- 22039 WINTERS, S. R. Novel device shock-tests eggs. Amer. Poultry J., Cent. Ed. 77(3): 48. Mar. 1946. 47.8 Am32
- 22040 WOMELDORFF, D. G. "Ag" engineers discuss barn hay curing; proper engineering, equipment and operation can produce superior hay crop. Better Farming Methods 18(3): 17, 34. Mar. 1946. 58.8 B46

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

- 22041 B., J. J. Transport on the holding; pony or motor truck: which? Smallholder 74(1874): 19. Feb. 15, 1946. 10 Sml
- 22042 BABITSKII, B. Normy vyrabotki dlia traktorov [Production standards for tractors]. Sovkhoz. proizvod. 5(10): 9-14. Oct. 1945. 20 So85
- 22043 COLLISON, C. F. The farmer turns to oil; machines fueled and oiled by petroleum plow the land, harvest crops and then speed food from farm to city market. Natl. Live Stock Prod. 24(6): 16-17, 24. Mar. 1946. 280.38 N21
- 22044 FOOTE, S. H. If you need a trailer, here's a corker. East. States Co-op. 21(12): 10-13. Dec. 1945. 280.28 Ea7  
For farm use.
- 22045 GAINES, J. The start of a vital partnership. Conn. Circle 9(2): 41. Feb. 1946. 280.8 C7632  
Ford-Ferguson tractor.
- 22046 GORSKII, A. Svoevremennno nachat' osenne-zimnii remont traktorov i mashin [Starting the autumn-winter repair of tractors and machinery on time]. Sovkhoz. proizvod. 5(8/9): 39-41. Aug./Sept. 1945. 20 So85
- 22047 HALPERIN, Z. Grapes unloaded mechanically. Food Indus. 18: 331. Mar. 1946. 389.8 F737  
Changes in truck design.

- 22048 INGERSON, R. A cooperative leader forecasts a co-op tractor on every farm. Impl. and Tractor 61(1): 48, 100, 102. Jan. 12, 1946. 58.8 W41
- 22049 KUTISH, F. A. This crate carries hogs. Successful Farming 44(3): 45. Mar. 1946. 6 Sul2
- 22050 LINCOLN, L. Buying your new truck. Feedstuffs 18(10): 59. Mar. 9, 1946. 286.81 F322
- 22051 MOSER, L. Farmers should have optional right to buy army surplus [trucks, etc.] direct. Pacific Northwest Co-op. 10(7): 6. July 24, 1945. 280.28 P112
- 22052 NEWMAN, E. And the boy said, "You'll see a dream plowing on that west 'eighty.'" Farm Impl. News 67(5): 36-37. Feb. 28, 1946. 58.8 F22
- Tractors.
- 22053 FEROVSKII, R. Vetroispol'zovanie v sovkhkhakh [Utilization of wind power on the state farms]. Sovkhkh. Proizvod. 5(10): 30-32. Oct. 1945. 20 So85
- 22054 RAY, J. C. Fisk sees big farm tire market for tire dealers in 1946. Tire Rev. 46(2): 54-55. Feb. 1946. 305.8 In23
- 22055 SHAWL, R. I. Tractor repair and maintenance. Farm Impl. News 67(6): 57-58. Mar. 14, 1946. 58.8 F22
- 22056 TSEPOVICH, P. Restavratsiia shesteren avtomashin. Sovkhkh. Proizvod. 5(8/9): 42. Aug./Sept. 1945. 20 So85
- Repair of tractors.
- 22057 VASHCHENKO, E. Organizatsiia remonta traktorov [Management of tractor repair]. Sovkhkh. Proizvod. 5(10): 32-33. Oct. 1945. 20 So85
- 22058 WETZEL, G. F. The mechanic should know the proper timing of valves. Impl. and Tractor 61: 65-67. Mar. 9, 1946. 58.8 W41
- Tractor engines.
- 22059 WILLIAMS, S. R. The Diesel engine; principles, care and operation. Power Farmer 5: 226-228; 6: 6-8, 26-28. Dec. 1945, Jan., Feb. 1946. 58.8 P872
- 22067 ASPE, G. Nybyggnadsbehovet av bostäder för lantarbetare och innehavare av mindre jordbruk. Sweden. Statens Forskningskom. för Lantmannabyggnader. Meddel., No. 3, 20 p. Malmö, 1945. 296.9 Sw3
- Rural housing needs in Sweden.
- 22068 BADER, A. K. Plan a county housing program; suggestions for co-ops when farmers ask about remodeling the farm house. Better Farming Methods 18(3): 18-19, 25. Mar. 1946. 58.8 E46
- 22069 CERNOBLAVEK, MRS. L. The homemaker plans her house. Mont. Farmer 33(12): 18. Feb. 15, 1946. 6 M764
- Includes a floor plan.
- 22070 CERNY, R. C. We plan a home together; new houses for old; how to fix up existing homes. Farmer [St. Paul]. Gen. Ed. 64(6): 1, 34-35. Mar. 16, 1946. 6 F2211
- 22071 HINCHCLIFF, K. A hole in the ground with a bright promise; the Kings' plans for basement remodeling hold out new hope for you who have the older-type farm home. Successful Farming 44(3): 32-33, 40-41. Mar. 1946. 6 Sul2
- 22072 HURLEY, L. J. We build a house together; Wisconsin Agriculturist and Farmer starts series on farm building and house plans. Wis. Agr. and Farmer 73, 1. e. 71(5): 6. Mar. 2, 1946. 6 W751
- 22073 M., Z. R. Let's build a house together! Wallaces' Farmer and Iowa Homestead 71: 202. Mar. 2, 1946. 6 W15
- 22074 MAST, C. Remodeling time is here. Business of Farming 4(8): 8-9. Jan./Feb. 1946. 6 B96
- 22075 ROWE, B. M. We plan a home together. Farmer [St. Paul]. Gen. Ed. 64(5): 1, 35. Mar. 2, 1946. 6 F2211
- 22076 A SMALL farm-house capable of enlargement; basic design providing for successive additions as required. By King-Post. Farmer's Weekly [Bloemfontein] 70: 1223, 1225. Jan. 16, 1946. 24 F225
- 22077 WEAVER, A. D. Kitchens have peninsulas too. Nebr. Farmer 88(5): 8. Mar. 2, 1946. 6 N27
- 22078 WEAVER, A. D. We build a house together. Nebr. Farmer 88(5): 1, 30-31. Mar. 2, 1946. 6 N27
- 22079 WYLIE, J. Nothing is impossible! Business of Farming 4(8): 12-13. Jan./Feb. 1946. 6 B96
- Living room in an Indiana farm house remodeled by The Business of Farming.

## FARM STRUCTURES

General

- 22060 CARTER, D. G. Rebuilding the farmstead. Capper's Farmer 57(3): 9, 64-65. Mar. 1946. 6 M693
- 22061 HJELM, L. Nybyggnadsverksamheten inom jordbruket under åren 1943 och 1944. Sweden. Statens Forskningskom. för Lantmannabyggnader. Meddel., No. 4, 24 p. Malmö, 1945. 296.9 Sw3
- Construction and cost of farm buildings in Sweden.
- 22062 KHOKHORIN, M. Svoimi silami i iz svoikh materialov. Kolkhoz. Proizvod. 5(8/9): 26-27. Aug./Sept. 1945. 281.8 K83
- Building construction on the collective farm Edinyi Trud in the Vladimir Region.
- 22063 MACKIE, J. Farm buildings for a medium-sized farm. Scot. Farmer 54: 362. Feb. 2, 1946. 10 Sco8
- 22064 ORBORN, A. Forskning och rådgivning för byggnadsverksamheten vid det svenska jordbruket. Tidskr. för Landökonomi, No. 1, p. 44-60. Jan. 1946. 11 T43
- Cost and construction of farm buildings in Sweden.

Farmhouses

- 22065 ADAIR, E. O. Mission accomplished: a convenient kitchen. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 78. Mar. 1946. 6 So81
- 22066 ADAMS, F. How're you going to keep 'em down on the farm? Farm and Ranch 65(3): 30. Mar. 1946. 6 T31
- Improved housing for farm labor.

Service Buildings

- 22080 BARLEY, H. D. Importance of ventilation. Poultry World 78: 33. Jan. 18, 1946. 47.8 P8682
- 22081 BONFIELD, J. P. Brooder house - gambrel type; chicken house - southern style. Business of Farming 4(8): 6-7. Jan./Feb. 1946. 6 B96
- 22082 BROOMHEAD, W. W. Running growers with layers. Poultry [London] 98: 120. Feb. 19, 1946. 47.8 P869
- 22083 BURTON, F. Problems of early brooding; in the intensive type of rearing quarters the provision of a sun-balcony is of great advantage. Poultry World 78: 93. Feb. 15, 1946. 47.8 P8682
- 22084 CARTWRIGHT, H. Lancashire cabins can be stuffy. Poultry Farmer [London] 114(2954): 3. Feb. 1, 1946. 47.8 F312
- 22085 COOK, J. E. Insulating the laying house. Dakota Farmer 66(6): 10. Mar. 16, 1946. 6 D14
- 22086 CUSHMAN, H. E. Get brooder ready for chicks. Mont. Farmer 33(12): 17. Feb. 15, 1946. 6 M764
- 22087 D., H. R. Buildings for pigs. Farmer & Stock-Breeder 60: 77. Jan. 8, 1946. 10 F228
- 22088 DRIFTMIR, R. H. A dairy barn to meet your needs. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 24. Mar. 1946. 6 So81



- 22089 DRUMMOND, W. C. Heating the home greenhouse. *Begonian* 13: 55-57. (Cont.) Mar. 1946. 96.511 B39
- 22090 FOOL-PROOF domestic brooding. "Domesticus" makes some suggestions. *Mod. Poultry Keeping* 54: 148. Feb. 20, 1946. 47.8 Eg3
- 22091 GARDINER, G. F. Popular types of greenhouses for amateurs. *Pop. Gard.* 47: 410. Feb. 23, 1946. 80 G1622
- 22092 GORDON, M. D. Incubator houses. *Field* 187: 252. Mar. 2, 1946. 10 F45
- 22093 GUNDRY, B. G. Another trap nest. *Rhodesia Agr. J.* 42: 396-397. Sept./Oct. 1945. 24 R34
- 22094 HANSEN, A. O. Simple circulating hot water control hook-up for orchid greenhouses. *Orchid Digest* 41. e. 93: 367-368. Oct./Dec. 1945. 80 Or172
- 22095 HARDY, J. Build your own cold frames. *Poultry Farmer* [London] 114(2954): 4. Feb. 1, 1946. 47.8 F312
- 22096 HAWKS, F. A simple heating plant for an orchid house. *Orchid Digest* 41. e. 93: 368. Oct./Dec. 1945. 80 Or172
- 22097 HOADLEY, H. Electric brooders. *Poultry Farmer* [London], 114(2951): 3. Jan. 11, 1946. 47.8 F312
- 22098 HOADLEY, H. I. Electric brooding. *Poultry Farmer* [London] 114(2956): 3. (To be cont.) Feb. 15, 1946. 47.8 F312
- 22099 HOVELAND, N., and others. A pair of helpers for the dairyman; laborsaving milking parlors and loafing barns boost milk grades and cut costs. *Successful Farming* 44(3): 24-25, 64, 130, 132. Mar. 1946. 6 Sul2
- C. E. Hughes, W. Hunt, and J. Roe, joint authors.
- 22100 HUBBARD, C. L. B. Comfort in the kennels. *Smallholder* 74(1873): 24. Feb. 8, 1946. 10 Sml
- 22101 HUBBARD, C. L. B. Kennels for commercial breeding. *Smallholder* 74(1872): 20. Feb. 1, 1946. 10 Sml
- Hints on building.
- 22102 HUNT, W. Farmers like this brooder house. *Successful Farming* 44(3): 69. Mar. 1946. 6 Sul2
- 22103 JOHNSON, R. A. Details for heating orchid houses. *Orchid Digest* 41. e. 93: 370-371. Oct./Dec. 1945. 80 Or172
- 22104 K., F. A. Hay feed rack for cattle - on wheels! *Successful Farming* 44(3): 149. Mar. 1946. 6 Sul2
- 22105 KEEP houses on the level; "Domesticus" deals with a flooring problem. *Mod. Poultry Keeping* 54: 42. Jan. 16, 1946. 47.8 Eg3
- 22106 KENNEDY, J. Longer life for old barns: re-siding adds many years of usefulness to worn farm structures. *Wood Construct.* 32(5): 8, 29. Mar. 1, 1946. (Madison Sub-Branch Libr.)
- 22107 KING, T. E. Postwar improvements in greenhouses described. II. South. Florist and Nurseryman 58(49): 11, 14-15. Mar. 8, 1946. 80 So86
- 22108 KLEIN, G. T. Farm poultry killing rooms. *Everybody's Poultry Mag.* 50(10): 8, 31. Nov. 1945. 47.8 F213P
- 22109 KLEIN, G. T. Mechanizing our poultry plants. *Rural New-Yorker* 105: 256-257. Mar. 16, 1946. 6 R88
- 22110 KREUTZER, F. J. Design for a small saddle horse barn. *Natl. Horseman* 82(3): 16-17. Mar. 1946. 42.8 N21
- 22111 LACEY, J. What's the best way to house pigs? *Farm J.* 70(3): 26. Mar. 1946. 6 F2212
- 22112 LACEY, J. J. Colony sawney house meets approval. *Hoard's Dairyman* 91: 157. Feb. 25, 1946. 44.8 H65
- 22113 LACKLAND, S. B. Roost poles; do we know how to build 'em? Some tips upon a right way to build a highly important item of yard equipment. *Grit and Steel* 47(10): 62. Feb. 1946. 47.8 G88
- 22114 LANGE, H. K. Selling portable milk houses to Wisconsin farmers. *Amer. Lumberman*, No. 3329. p. 28-29. Mar. 2, 1946. 99.81 Am3
- 22115 LANTBRUKSFÖRBUNDETS BYGNADSFÖRENING. Vårt lands första nyuppförda seminastation; Kjörebygdens seminastations tjurstall. *Lantmannen* 29: 1151, 1164. Dec. 22, 1945. 11 L234
- Description of the first artificial insemination station in Sweden.
- 22116 LINN, J. W. Cows can't pull hay here. *Successful Farming* 44(3): 149. Mar. 1946. 6 Sul2
- Hay feed rack for cattle.
- 22117 LINN, J. W. Shed for silage. *Successful Farming* 44(3): 134. Mar. 1946. 6 Sul2
- 22118 LINTON, W. P., and WOOD, A. L. The cross-ventilated tunnel smokehouse. *Canad. J. Res. Sect. F, Technol.* 24: 81-90. Jan. 1946. Ref. 470 C16F
- 22119 LODGE, C. Run renovation in winter. *Poultry Farmer* [London] 114(2952): 8-9. Jan. 18, 1946. 47.8 F312
- 22120 LOVRIEN, C. J. Brooder facts; electricity enables chick brooder to more nearly simulate nature, users find. *Co-op Power* 3(3): 9. Mar. 1946. 335.9 C78
- 22121 MATTHEWS, A. Give them air. *Mod. Poultry Keeping* 54: 21. Jan. 9, 1946. 47.8 Eg3
- 22122 MODERN piggery: a practical and economical layout that is being proved by practice. By Poake. *New Zeal. Farmer Weekly* 66(23): 10-13. Jan. 10, 1946. 23 N484
- 22123 MOTLEY, W. A. Straight tips on running hot-air incubators. *Poultry Farmer* [London] 114(2952): 3. Jan. 18, 1946. 47.8 F312
- 22124 O., J. S. "Perhaps it was the weather"; farmers build and run their own cooperative repair shop. *Va. U. Ext. Div. P. New Dominion Ser. No.* 78, p. 1-3. Mar. 1, 1946. 280.9 V814
- 22125 OSGOOD, G. Summer all winter; 11 cents per bird keeps the laying pens about 50° all winter long on the Johns' pedigree Leghorn farm in Mansfield, Pa. *Checkerboard News* 8(2): 8-9. Feb. 1946. 389.78 C41
- 22126 PAYNE, L. F. New developments in poultry equipment. *Kans. Poultry News* 2(2): 35-36. Feb. 1946. 47.8 K13
- 22127 PORTLAND CEMENT ASSOCIATION. A concrete laying house. *Hoard's Dairyman* 91: 167. Feb. 25, 1946. 44.8 H65
- Includes plans.
- 22128 REED, C. H. Need a new poultry house? Purdue engineers present extensible plan which features many choices of material. *Poultry Tribune* 52(3): 12-13, 40, 42-44, 46. Mar. 1946. 47.8 P8642
- 22129 RUSSELL, B. We're 20 years late in farm buildings. *Nebr. Farmer* 88(4): 24-25. Feb. 16, 1946. 6 N27
- Design for a barn.
- 22130 RUSSELL, H. What's the best way to house pigs? *Farm J.* 70(3): 27. Mar. 1946. 6 F2212
- 22131 SCHAFFHAUSEN, J. F. Farm building roundup. *Amer. Lumberman*, No. 3328, p. 37-41. Feb. 16, 1946. 99.81 Am3
- 22132 SETH, E., and HOLMQUIST, N. Några undersökningar rörande Norrlandsledugårdar. Sweden. Statens Forskningskom. för Lantmannabyggnader. Meddel. No. 5, 93 p. Malmö, 1945. 296.9 Sw3
- English summary.
- Insulation and ventilation of Swedish barns.
- 22133 SMALL, M. C. New brooder houses. *Turkey World* 21(2): 20-23, 92-93. Mar. 1946. 47.38 T84
- 22134 TOMMY, A. F. Poultry house design. *Poultry Farmer* [London] 114(2952): 8. Jan. 18, 1946. 47.8 F312
- 22135 TURNER, C. N. Winter water for hens; electric heating cable attached to pipes and valves insures automatically flowing water during winter and cold spells. How much cable; how to attach it and control the temperature. *Elect. on the Farm* 19(2): 8-9. Feb. 1946. 335.8 EL27



22136 TURNILL, L. Electric hatching; oil Tamlin on the mains; conversion hints. Poultry Farmer [London] 114(2955): 8. Feb. 8, 1946. 47.8 F312  
 22137 TURNILL, L. Incubator troubles. Poultry Farmer [London] 114(2954): 4. Feb. 1, 1946. 47.8 F312

22138 WELCH, J. J. The heat is in the floor: an ultramodern improvement on an old method of heating poultry houses eliminates hovers and keeps the litter dry. Country Gent. 116(3): 25, 82-85. Mar. 1946. 6 C833

22139 WELCH, T. H. For flexibility of use, build this highly adaptable barn. Mont. Farmer 33(12): 8, 31. Feb. 15, 1946. 6 M764

22140 WHEELDON, H. G., and GUNDRY, B. G. Trap nests. Rhodesia Agr. J. 42: 394-396. Sept./Oct. 1945. 24 R34

#### Storage Structures

22141 CARNETIRO, O. Silos e sua construção. Rev. Rural Bras. 25(304): 30-33. Dec. 1945. 9.2 B733

22142 G., M. Lors de l'aménagement de nouvelles caves prenons garde de ne pas construire de trop grosses cuves. Rev. Romande d'Agr., de Vitic. et d'Arbor., No. 2, p. 6. Feb. 1945. 17 J82A

22143 LAURSEN, J. Statens støtte til opførelse af staldhygiejneanlæg. Tidsskr. for Landøkonomi, No. 12, p. 553-561. Dec. 1945. 11 T43  
 Government financial aid for the construction of storage structures for farm manure in Denmark.

#### Farm Utilities

22144 ANDERSON, L. Specialty dealers---farm style. Elect. Merchandising 74(5): 38-42, 82, 84. Nov. 1945. 335.8 EL242

Case histories of men selling electrical equipment.

22145 B., A. Les conséquences de la guerre sur les réseaux électriques et leur remise en état. Génie Rural et Elect. Rurale 38(11): 10-12. Nov. 1945. 58.8 Au8

22146 B., A., and B., D. Le retour à la ferme par le confort moderne; l'électricité en est un des principaux moyens. Génie Rural et Elect. Rurale 38(11): 3. Nov. 1945. 58.8 Au8

22147 BARKLEY, P. Truman sets REA goal. Co-op Power 3(3): 8-9. Mar. 1946. 335.8 C78

22148 BIRT, C. 15 hours without the coal-scuttle; new solid fuel burning appliances that will be coming on to the market. Farmer & Stock-Breeder 60: 186. Jan. 22, 1946. 10 F22E

22149 COTTINGHAM, H. Manitoba's rural electrification plans. Elect. News and Engin. 55(4): 50-52. Feb. 15, 1946. 335.8 EL224

22150 DICKINSON, D. Rural bellringer. Co-op Power 3(3): 4-5, 24-26. Mar. 1946. 335.8 C78

Farm telephone service.

22151 FISCHER, G. Dricksvatten och brunnar. God vattenhygien hindrar smittspridning. Jordbruks-arnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 15(49): 11-12. Dec. 8, 1945. 11 J762

Directions for construction of sanitary wells in rural Sweden.

22152 HAFER, T. H. REA wiring inspection service in Illinois. Pub. Power 3(9): 7-8. Sept. 1945. 335.8 P96

22153 HAMILTON, C. Wiring for electricity, with an eye to the future. Successful Farming 44(3): 76-77, 103. Mar. 1946. 6 S42

22154 HARRISON, W. H. Good telephone service for more and more rural families. Rural Electrification 4(6): 12, 28. Mar. 1946. 335.8 N21

22155 LAMBERT, R. J. Day hand for 20 cents. Farm and Ranch 65(3): 26. Mar. 1946. 6 T31  
 Use of electricity.

22156 LAMBERT, R. J. Electricity serves the big ranches. Farm and Ranch 65(2): 23. Feb. 1946. 6 T31

22157 LEHMANN, E. W. How electricity is helping southern farm families. Prog. Farmer, Car.-Va. Ed. 61(3): 16, 48. Mar. 1946. 6 P945

22158 MCKINNEY, F. The water runs from a faucet. Mo. Ruralist 87(5): 14-15. Mar. 9, 1946. 6 R8891

22159 ONTARIO Hydro outlines \$200,000,000 plans for electrical development; five year rural project involves costs of \$50,000,000. Elect. News and Engin. 55(4): 68-69. Feb. 15, 1946. 335.8 EL224

22160 QUESTED, E. G. A call to action: rural electrification. Home Farmer 13(1): 10-11. Jan. 1946. 280.344 H75

Plea for rural electrification for dairy farmers.

22161 REED, C. H. Heating water for the farm home. Hoosier Farmer 31(3): 8, 28. Mar. 1946. 280.82 H76

22162 SHATTUCK, D. M. How to light breeders. Turkey World 20(12): 22, 24. Dec. 1945. 47.38 T84  
 Use of artificial light.

22163 SMITH, E. H. Wire for electricity with room to grow. Capper's Farmer 57(3): 14, 69. Mar. 1946. 6 M693

As told to E. M. Kelly.

22164 SUSLOPAROV, G. Rural electrification in Russia. Saskatchewan Farmer 37(5): 6. Mar. 1, 1946. 7 S474

22165 TAYLOR, J. D. Rural line service; part IV. Rural line transmission. Telephony 130(8): 13-16; (9): 24, 29-30. Feb. 23, Mar. 2, 1946. 335.8 T23

22166 TINDALL, C. While waiting for electricity ... be sure your wiring job is right. Mo. Ruralist 87(5): 3, 23. Mar. 9, 1946. 6 R8891

22167 TOWNSEND, MRS. P. New life for old lamps. Amer. Agr. 143: 42. Jan. 19, 1946. 6 Am3  
 Electrification of oil burning antiques.

22168 TRESCOTT, J. B. Today--on REA connected farm; new appliances and equipment coming soon, to do job better. Rural Electrification 4(6): 27. Mar. 1946. 335.8 N21

22169 VINE, V. Running water runs up profits. Farm J. 70(3): 125-126. Mar. 1946. 6 F2212

22170 WICKARD, C. R. Electric service for all. Co-op Power 3(3): 6, 32. Mar. 1946. 335.8 C78  
 Importance of electricity on the farm.

22171 WICKARD, C. R. When will you get electricity? Farm J. 70(3): 23. Mar. 1946. 6 F2212

22172 WITTEN, F. More power to the telephone. Farm and Ranch 65(2): 4, 14. Feb. 1946. 6 T31

#### Materials and Methods

22173 SOROA, J. M. DE. Cal y cemento. Surco [Madrid] 4(45): 20-21. Nov. 1945. 15 Su7

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

##### GENERAL

22174 ALLEN, W. Food and fuel; Britain's supply problem is primarily concerned with the elemental needs of mankind--food, warmth, and power. Purchasing 20: 122-123. Feb. 1946. 280.8 P972

22175 ANDERSON, C. P. Future prospects for food. Butchers' Advocate 119(8): 10-13. Feb. 20, 1946. 286.85 B97

22176 BANK FOR INTERNATIONAL SETTLEMENTS. Annual report, 15th, 1944/45, 158 p. Basle, 1945. 284.9 B222

The European food problem and the work of UNRRA are discussed, p. 45-49.

22177 CASSELS, J. M. Food and recovery in Europe. Nutr. Rev. 4(2): 33-34. Feb. 1946. 389.8 N952



22178 THE CEREAL and other crops of Scotland for 1944. Highland and Agr. Soc. Scot. Trans. (ser. 5) (1945) 57: 128-149. 10 H536

1944 compared with preceding year.

22179 CUMMINGS, N. The European food situation based on recent personal visit to some European countries. Amer. Groc. 155(7): 8, 69, 72, 73. Feb. 13, 1946. 286.93 Am32

22180 DUFF, SIR P. Britain needs food and markets. Straight Furrow 5(2): 33-34. Dec. 15, 1945. 281.8 St8

22181 HALIFAX, EARL OF. Relation of food to world peace. Food Packer 27(3): 68, 70. Feb. 15, 1946. 286.83 Cl65

22182 MAXSON, W. L. New horizons for the food industry. Pract. Home Econ. 24: 150-151, 206-207. Mar. 1946. 321.8 H752

22183 METSON, N. Spreading the food ration; world faces acute shortage. New Zeal. J. Agr. 72 (1): 103-105. Jan. 15, 1946. 23 N485

22184 NIELSEN, A. C. Facts to guide postwar decisions in the food industry. Food Indus. 18: 358-359, 454, 456, 458. Mar. 1946. 389.8 F737

22185 PRATER, H. J. The "food for Britain" appeal; Australia's unbalanced war effort; best products only should be sent to England. Primary Prod. [Sydney] 31(2): 1. Jan. 10, 1946. 23 P93

22186 SMITH, SIR B. How State will control food. Farmer & Stock-Breeder 60: 303. Feb. 12, 1946. 10 F228

22187 SÖDERSTRÖM, O. Livsmedelssituationen vid ärsskiftet. Sweden. Kommerkol. Jordbruksekonom. Uppgifter 9(1): 3-7. Jan. 1946. (Bound with Sweden. Kommerkol. Kom. Meddel., v. 33, No. 1) 257.3 K832K  
The food situation in Sweden.

22188 STAPLEDON, SIR R. G. Facing up to the food crisis [in Great Britain]. Field 187: 270. Mar. 9, 1946. 10 F45

22189 STONE, I. F. Fumbling with famine. Nation 162: 335-336. Mar. 23, 1946. 280.8 N215  
U. S. food consumption in view of UNRRA's needs.

22190 STRANGE, H. G. L. Hunger and disease in Europe. Canad. Countryman 35(6): 37. Mar. 16, 1946. 7 C833

22191 SVÄRDSTRÖM, K. F. Vi och utlandet. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellan-sverige och Gästrikland 16(5): 3. Feb. 2, 1946. 11 J762

Chiefly on the world food situation.

22192 ZOTOV, V. Poslevoennyye perspektivy pishchevoy promyshlennosti [Postwar outlook in the food industry]. Planovoe Khoz., No. 5, p. 15-24. Moskva, 1945. 280.8 P69

#### ANALYSIS AND COMPOSITION

22193 DOVE, W. F., and FARRELL, B. L. Technics for measuring changes in flavor acceptability. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 84-88. 1945. 157.8 R29

Tests for flavor and other changes in food during storage.

22194 FLORIDA. STATE CHEMIST. Annual report, 1944/45, part IV, Food, Drug and Cosmetic Section, 72 p. Tampa, 1945. 381 F66

Includes official food analyses.

22195 KRAMER, A., and SMITH, H. R. Preliminary investigation on measurement of color in canned foods. Food Res. 11(1): 14-31. Jan./Feb. 1946. Ref. 389.8 F7322

22196 TOCHER, J. F. Analyses for members during 1944. Highland and Agr. Soc. Scot. Trans. (ser. 5) (1945) 57: 96-100. 10 H536

#### DISTRIBUTION, MARKETING, AND TRANSPORTATION

22197 ALSTON, C. Marketing in 1946. Ark. Farmer 48(2): 10-11, 21, 23. Feb. 1946. 6 Ar42

22198 BLUM, L. Where will they bring the most? How the [U. S.] Market News [Service] helps Iowa farmers market their products. Iowa Farm Econ. 12(2): 12-13. Feb. 1946. 275.28 Io92

22199 BOONE, P. Farm produce takes to air; tests indicate shipment of perishable foodstuffs and flowers by plane is practical--initial high rates expected to drop. Capper's Farmer 57(3): 20. Mar. 1946. 6 M693

22200 ELKINS, H. S. The economics of rate making. Distrib. Age 45(2): 77-79. (To be cont.) Feb. 1946. 288.8 T68

Freight rates for agricultural products.

22201 HARDIGG, C. A. Army's postwar plan for procurement. Canning Trade 68(31): 34. Feb. 25, 1946. 286.83 T67

22202 HAWKINS, W. T. How many stops a day? Natl. Food Distrib. J. 19(2): 10-11. Feb. 1946. 286.28 N212

Food distribution.

22203 HEDGES, H. Research developments in cooperative marketing. J. Farm Econ. 28: 134-140. Feb. 1946. 280.8 J822

22204 HEDLUND, G. W. Review of papers on research and educational programs in marketing. J. Farm Econ. 28: 181-186. Feb. 1946. 280.8 J822

22205 JACKSON, S. D. Commodity Exchanges governor pleads for free, open markets. Feedstuffs 18 (11): 30, 32-35. Mar. 16, 1946. 286.81 F322

22206 JAEGER, J. E. Retail grocers' problems of 1946. Amer. Groc. 155(7): 70-71, 74. Feb. 13, 1946. 286.83 Am32

22207 KITCHEN, C. W. Lowered marketing costs, better products held vital to farm product merchandising. Sunsweet Standard 39(9): 10-11. Feb. 1946. 286.83 Su7

22208 FITCHIN-KERR, G. E. Distribution costs; analysis of producer-consumer service; fallacy of costless marketing service. Citrus News 21: 185, 189. Dec. 31, 1945. 80 C494

22209 KLOPPING, F. Omaha Producers advance to 2nd place on their market. Natl. Live Stock Prod. 24(6): 8. Mar. 1946. 280.38 N21

22210 KNAUB, G. Surplus food disposal. Canning Trade 68(31): 12-13. Feb. 25, 1946. 286.83 T67

22211 LAURENCE, J. Trends in restaurant purchasing. Amer. Dietet. Assoc. J. 22: 244, 246, 248. Mar. 1946. 389.8 Am34

22212 MARTIN, E. J. Opportunities in store-door-delivery merchandising and selling. Natl. Food Distrib. J. 19(2): 6-7. Feb. 1946. 286.28 N212

22213 LERICLE, C. D. Air transport of perishables offers pioneer field for refrigeration. Cooling by altitude hasn't been satisfactory. Air Conditioning and Refrig. News 47(8): 23. Feb. 25, 1946. (Beltsville Branch Lib.)

22214 MOORE, J. C. The Grand Rapids test; dehydrated foods accepted by 2 out of 3. Mod. Packaging 19(6): 138-140. Feb. 1946. 309.8 M72

22215 ROSS, P. F. O México organiza mercados para o pequeno agricultor. Fazenda 40: 586-588. Dec. 1945. 6 H1P

22216 RYDER, D. W. Sherman's frozen food truck. Forbes 57(6): 36. Mar. 15, 1946. 280.8 F74

22217 SABATINI, F. L. Agriculture and nationalisation of transport. Power Farmer 6: 35-36, 39. Feb. 1946. 58.8 P872

Great Britain.

22218 SANDERFER, M. R. We're off to market! Prog. Farmer. Ga.-Ala.-Fla. Ed. 61(3): 82. Mar. 1946. 6 P945G

Marketing farm produce.

- 22219 SCOTT, W. K. The profit's in the selling; you have to market your produce wisely to make your farming pay. *South. Agr.* 76(3): 12, 43. Mar. 1946. 3 So83
- 22220 SEVERSON, H. Flying is a farmer's business. *South. Agr.* 76(3): 9, 59. Mar. 1946. 6 So83
- 22221 STOUT, W. B. Postwar extension problems in agricultural marketing. *J. Farm Econ.* 28: 187-198. Feb. 1946. 280.8 J822
- 22222 THOLSEN, F. L. Developments in pre-packaged, frozen food open "revolutionary" market. *Air Conditioning and Refrig. News* 47(10): 18-19. Mar. 11, 1946. (Beltsville Branch Libr.)
- 22223 TRESSLER, D. K. Are you planning to open a frozen food store? *Frosted Food Field* 2(3): 10-11, 13. Mar. 1946. 389.8 F922
- 22224 WALSH, W. M. Co-operation between producer and distributor. *Canning Trade* 68(31): 60-61. Feb. 25, 1946. 286.83 T67  
In the frozen food industry.
- 22225 WHITE, A., and YAFFA, B. Summary of carlot unloads, truck receipts and local receipts in Bridgeport, Hartford, New Haven and Waterbury for the year 1945. 19 p., processed. Hartford, Conn. Dept. of Agr., Bur. of Markets, 1946. 280.38 C762  
Statistics.
- 22226 WHITE, B. A salesman's view of distribution. *Distrib. Age* 45(2): 65-67. Feb. 1946. 288.8 T68  
Includes food.
- 22227 WHITMARSH, F. L. A report to wholesale grocers. *Amer. Groc.* 155(7): 61-63. Feb. 13, 1946. 286.83 Am32
- 22228 WILSON, G. L. Marketing and traffic management. *Traffic World* 77: 689-691. Mar. 9, 1946. 288.8 T672  
Eighth in a series of articles.  
Rise and growth of cooperative marketing, including farmer cooperatives.
- 22229 WOODHEAD, H. Airplanes will help the farm more than city. *Farmers Guide* 102(5): 10. Mar. 1, 1946. 6 In2

## GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

- 22230 BURTON, L. V. The need for quality improvement. *Natl. Dehydrators Assoc. Proc.* (1946) 5: 5-9, processed. 389.9 N219P
- 22231 GIBSON, E. T. Quality control--key to the future of frozen foods. *Canning Trade* 68(31): 64-66. Feb. 25, 1946. 286.83 T67
- 22232 PAYNE, H. Progress report on labeling canned and glass foods. *Amer. Groc.* 155(7): 8. Feb. 13, 1946. 286.83 Am32
- 22233 PRINCE, B. Packers brands vs. private brands. *Quick Frozen Foods* 8(7): 83, 118. Feb. 1946. 389.8 Q4  
In frozen foods.
- 22234 SOUTHERLAND, F. L. Food inspection. *Canning Trade* 68(31): 13-14. Feb. 25, 1946. 286.83 T67

## PACKING AND PACKAGING

- 22235 AMERICAN CAN COMPANY. Annual report, 44th, 1945, 32 p. N. Y., 1945. 309.9 Am32  
Includes description of new improved containers.
- 22236 BROWN, D. M. Quality control means better packaging of food. *Food Indus.* 18: 350-351. Mar. 1946. 389.8 F737
- 22237 HILDRETH, E. A. Glass packages figure in the future of preserves. *Food Packer* 27(4): 39-40, 60. Mar. 1946. 286.83 C165.

- 22238 HILDRETH, E. A. The outlook on glass. *Canner* 102(11): 142, 144. Mar. 2, 1946. 286.83 C16  
For containers.
- 22239 LATHROP, S. F. Paper solves food problem. *Amer. Box Maker* 35(2): 14-15. Feb. 1946. 99.82 Am3  
Storage of frozen food at locker plants.
- 22240 FALCOLLSON, J. D. Developments in paper-board packages. *Amer. Box Maker* 35(2): 24. Feb. 1946. 99.82 Am3  
Including use for frozen and dehydrated food.
- 22241 ROWLES, G. E. Food packaging; progress in 1945. *Food Manufacture* 21: 49-53. Feb. 1, 1946. 389.8 F736

## PRICES, PRICE CONTROL, AND RATIONING

- 22242 AMERICAN FARM ECONOMIC ASSOCIATION. COMMITTEE ON PARITY CONCEPTS. Outline of a price policy for American agriculture for the postwar period. *J. Farm Econ.* 28: 380-397. Feb. 1946. 280.8 J822  
Karl Brandt, chairman.
- 22243 BAKER, G. The future of price control. *Amer. Groc.* 155(7): 66, 6-8. Feb. 13, 1946. 286.83 Am32
- 22244 BERTHAULT, P. Les prix des produits agricoles. *Rev. Agr. de l'Afrique du Nord* 43: 180-182. Aug. 24, 1945. 80 R326
- 22245 CARRUTHERS, N. T. Will farm bloc upset national economy? *Mag. Wall St.* 77: 700-702, 736-737. Mar. 16, 1946. 286.8 M27  
On the problem of parity prices.
- 22246 COLSTON, R. Some of the bugs in parity price; information to keep "ag" leaders posted on a timely economic issue. *Better Farming Methods* 18(3): 26, 40. Mar. 1946. 58.8 B46
- 22247 EDWARDS, G. Farm prices govern national economy. *West. Livestock J.* 24(17): 35. Feb. 15, 1946. 6 F2278
- 22248 ESTATISTICA dos preços no varejo e no atacado. Brazil. Min. do Trab., Indús. e Com. B. 12(133): 215-231. (Cont.) Sept. 1945. 255.3 B737A  
Prices of agricultural products.
- 22249 FALZGRAF, B. F. Parity concept error. *Mountain States Beet Grower* 8(3): 7. Jan./Feb. 1946. 280.28 M86
- 22250 FRICKER, R. K. Discussion of price policy winning papers. *J. Farm Econ.* 28: 290-293. Feb. 1946. 280.8 J822  
Submitted to the American Farm Economic Association.
- 22251 HALL, H. W. U. S. policy throws farm price out of balance. *Dairyland News* 16(4): 4. Feb. 25, 1946. 280.28 W752
- 22252 HEMPHILL, P. V. North Dakota farm prices. *N. Dak. Agr. Expt. Sta. Bimo. B.* 8(3): 40-42. Jan./Feb. 1946. 100 N813B
- 22253 HERLMANN, L. F. Modernizing farm parity prices. *Breeder's Gaz.* 111(3): 5. Mar. 1946. 49 B74
- 22254 NEW ENGLAND MILK PRODUCERS' ASSOCIATION. Resolutions adopted on parity, subsidies. *New England Dairyman* 30(2): 10, 11, 15. Feb. 1946. 44.8 N44
- 22255 NICHOLLS, W. H., and JOHNSON, D. G. The Farm Price Policy Awards, 1945: a topical digest of the winning essays. *J. Farm Econ.* 28: 267-283. Feb. 1946. 280.8 J822  
The contest sponsored by the American Farm Economic Association.
- 22256 PEARSON, F. A., and PAARLBERG, D. Sixty million jobs and six million farmers. *J. Farm Econ.* 28: 28-41. Feb. 1946. 280.8 J822  
Discussion of the factors bearing upon farm prices.
- 22257 PICKELL, M. W. Hogs high; corn scarce; steers few. *Breeder's Gaz.* 111(3): 6, 26-27. Mar. 1946. 49 B74  
Price trends.



- 22258 QUINN, J. Farm mechanization upsets parity. Feedstuffs 18(10): 34, 36, 38, 40-42. Mar. 9, 1946. 286.81 F322
- 22259 SCHWENCK, H. E. Prices - up or down; parity protects agriculture. Hoosier Farmer 31(3): 5, 36, 38. Mar. 1946. 280.82 H76
- 22260 SIMLER, L. H. Discussion of price policy award papers. J. Farm Econ. 28: 284-289. Feb. 1946. 280.8 J822

In contest sponsored by the American Farm Economic Association.

- 22261 STINE, O. C. Parity prices. J. Farm Econ. 28: 301-305. Feb. 1946. 280.8 J822
- 22262 THORNE, R. The 1944 program. Canning Trade 68(33): 10, 24. Mar. 11, 1946. 286.83 T67
- Prices and subsidies.
- 22263 WRIGHT, K. T. Basic weaknesses of the parity price formula for a period of extensive adjustments in agriculture. J. Farm Econ. 28: 294-300. Feb. 1946. 280.8 J822

#### PROCESSING AND STORAGE

- 22264 ADAMS, G. Looking at the future of dehydrated foods. Food Packer 27(3): 88, 90-93. Feb. 15, 1946. 286.83 C165

- 22265 ADAMS, G. Report. Natl. Dehydrators Assoc. Proc. (1946) 5: 21-27, processed. 389.9 N219P

On the dehydrated food industry.

- 22266 ANDERSON, C. P. Opportunities in appetites. Canning Trade 68(31): 44, 46, 48, 92. Feb. 25, 1946. 286.83 T67

Outlook in the canning industry.

- 22267 BARCROFT, SIR J. The storage of food by refrigeration. Scot. J. Agr. 25: 183-188. Jan. 1946. 10 S68290

- 22268 BENJAMIN, H. A., and ECKLUND, O. F. Possibilities in electronic sterilization. Canner 102(12): 17-18. Mar. 9, 1946. 286.83 C16

Electronic heating in food processing.

- Also in Canning Trade 68(32): 7-8. Mar. 4, 1946. 286.83 T67

- 22269 BIRDSEYE, C. Address. Natl. Dehydrators Assoc. Proc. (1946) 5: 15-19, processed. 389.9 N219P

On dehydrated foods.

- 22270 BIRDSEYE, C. The preservation of foods by freezing. Refrig. Engin., v. 51, No. 2, Refrig. Engin. Appl. Data 22, 8 p. Feb. 1946. 295.9 Am32J

- 22271 CALVERY, H. O. Pharmacological consideration of antioxidants. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 113-114. 1945. 157.8 R29

- 22272 CAMPBELL, C. Annual report of NCA [National Canners Association] secretary. Canning Trade 68(31): 67-73. Feb. 25, 1946. 286.83 T67

- 22273 CARROLL, MRS. L. R. Tips to operators. Quick Frozen Foods 8(7): 159. Feb. 1946. 389.8 Q4

Hints on operation of locker plants.

- 22274 CAUTION on entering [frozen food] industry needed. Quick Frozen Foods 8(7): 71-74. (To be cont.) Feb. 1946. 389.8 Q4

- 22275 CHUSSLER, G. "Serve oven fresh - we make 'm ... you bake 'm." Canad. Baker 58(3): 14-16, 18, 21. Mar. 1946. 389.8 C166

Frozen bakery products.

- 22276 COLD storage in France. Food Manufacture 21: 68-70. Feb. 1, 1946. 389.8 F736

- 22277 DENMARK. STATISTISKE DEPARTEMENT. Industriel produktionsstatistik 1944. Denmark. Statist. Dept. Statist. Meddel. (ser. 4), v. 125, No. 3, 202 p. København, 1945. 257.1 St2M

In Danish and French.

Includes statistics on the manufacture of food products.

- 22278 DUNLOP, S. G. Open storage of foods in desert climates. Inst. Food Technol. Proc. 1945: 72-80. 389.9 In7

- 22279 EBERT, S. G. Frozen foods a new billion dollar baby; large, fast growing industry stimulates new developments in related lines. Barron's 26(10): 11. Mar. 11, 1946. 284.8 B27

- 22280 FARQUHAR, R. A bright future for small-town locker plants. Quick Frozen Foods 8(7): 143, 167. Feb. 1946. 389.8 Q4

- 22281 GUILD, E. N. "Misconception" about freezers obstacles in path of sales. Air Conditioning and Refrig. News 47(11): 18. Mar. 18, 1946. (Beltsville Branch Libr.)

"Hits rapid freezing concept."

- 22282 HICKS, J. W. Public relations and food technology. Inst. Food Technol. Proc. 1945: 193-201. 389.9 In7

- 22283 HUTCHINS, T. S. Present aspects for frozen foods. South. Canner & Packer 7(2): 18-20, 23. Feb. 15, 1946. 389.9 S682

- 22284 HUTTON, B. Industry through agriculture. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 423, 5 p., processed. Columbus, Ohio, 1946. 381 N213P

On the possibilities for manufacturing and processing of agricultural products in Oregon.

- 22285 ISKER, R. A. The role of science in Army subsistence. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 3-4. Washington, 1945. 157.3 R29

Food research.

- 22286 KEOWN, M. E. Home canned food needed yet. Fla. Grower 54(1): 9, 11. Jan. 1946. 80 F6622

- 22287 LEVERENZ, W. Good frozen food. Prog. Farmer, Car.-Va. Ed. 61(3): 66. Mar. 1946. 6 P945

Planned home storage.

- 22288 MACKINNEY, G., and HILBERT, G. E. Report on Food Chemistry Institute. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4289, 6 p., processed. Washington, 1945. 157.8 R29

On research at the Universitäts-Institut für Nahrungsmittelchemie.

- 22289 MACKINNEY, G. WITTEA = Wissenschaftliche Technische Ausschuss. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3435, 3 p., processed. Washington, 1945. 157.8 R29

Food processing.

- 22290 MAGOON, C. A. Peacetime food compression. Food Indus. 18: 362-364, 472, 474, 476. Mar. 1946. 389.8 F737

- 22291 MASSACHUSETTS INSTITUTE OF TECHNOLOGY. FOOD TECHNOLOGY LABORATORIES. Report on compression of dehydrated foods. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3831, 42 p., processed. Washington, 1943. 157.8 R29

- 22292 MEYER, E. A. [Address]. Canning Trade 68(31): 14-15. Feb. 25, 1946. 286.83 T67

Observations on the canning industry.

- 22293 MOORMAN, F. School cannery part of community. South. Planter 107(3): 48. Mar. 1946. 6 S689

- 22294 MOYER, J. C., and STOTZ, E. Freeze-drying holds promise; process tested for quality retention possibilities. Food Packer 27(4): 42, 44. Mar. 1946. 286.83 C165

- 22295 MUTSCHLER, W. J. Gas packing. Inst. Food Technol. Proc. 1945: 127-138. 389.9 In7

- 22296 NAGLER, R. E. Looking ahead five years in the frozen food industry. West. Frozen Foods 7(4): 8. Feb. 1946. 389.8 W523

- 22297 NATIONAL CANNERS ASSOCIATION. Annual report NCA research laboratories. Canning Trade 68(31): 74-82. Feb. 25, 1946. 286.83 T67

Reprints from Washington and Western Branch Laboratories.

- 22298 PEARCE, J. A., and others. The keeping quality of dehydrated mixtures of egg and milk. Canad. J. Res. Sect. F, Technol. 24: 70-76. Jan. 1946. Ref. 470 C16P

J. Whittaker, H. Tessier, and W. A. Bryce, joint authors.

- 22299 PERRY, R. L. Report on Versuchstation für Konserven Industrie Wendenwehr Str. 23 Braunschweig. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4310, 8 p., processed. Washington, 1945. 157.8 R29  
Contains exhibits of problems on canning investigated by the Institute and questions and answers on vegetable dehydration.
- 22300 PIPER, W. E. New ideas point to coming changes in food retailing. New England Grocery and Market Mag. 14(5): 33-34. Mar. 1946. 286.83 N44A  
New processed foods.
- 22301 PRESCOTT, R. T. Cold storage developments. Distrib. Age 45(2): 27-28, 74, 88-89. Feb. 1946. 288.8 T68
- 22302 PROCTOR, B. E. Recent food freezing research and developments. Canning Trade 68(31): 26-29. Feb. 25, 1946. 286.83 T67
- 22303 PROCTOR, B. E. The training of food technologists. Inst. Food Technol. Proc. 1945: 185-192. 389.9 In7
- 22304 REPORT of investigation on food research and processing. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1726, 3 p., typewritten. Washington, 1945. 157.8 R29  
Interview with Dr. Rudolph Plank in which he gave names of workers in food research and processing. Lists bulletins on the subject.
- 22305 SANBORN, N. H. The [canning] industry's sanitation program. Canning Trade 68(31): 31-32, 34. Feb. 25, 1946. 286.83 T67
- 22306 SOMERS, I. I. Safe practices in retort operation. Canning Trade 68(33): 7-8, 24. Mar. 11, 1946. 286.83 T67  
Prevention of spoilage through under-processing.
- 22307 STADHOLZ, B., and JARMAN, G. W., Jr. Fumigation and reconditioning process for damaged foodstuffs. Part II. Food Mater. and Equip. 6(2): 14. Feb. 1946. 389.8 F7393
- 22308 STARE, F. A. Canning industry looks ahead. Fla. Grower 54(3): 23. Mar. 1946. 80 F6622
- 22309 STEGNER, M. Freezable formulas. Quick Frozen Foods 8(7): 62, 117. Feb. 1946. 389.8 Q4  
Frozen canapes.
- 22310 STEVENS, H. P. Do you understand sterilization ...? The food in cans is sterile. Canad. Food Packer 17(2): 21-26. Feb. 1946. 286.83 Q166
- 22311 THOMAS, W. P. Past, present and future of frozen foods. Canning Trade 68(31): 62-63, 66. Feb. 25, 1946. 286.83 T67
- 22312 TRESSLER, D. K. Quality control in the frozen foods industry. Inst. Food Technol. Proc. 1945: 146-153. Ref. 389.9 In7
- 22313 TRESSLER, D. K. Some problems of the dehydration industry. Natl. Dehydrators Assoc. Proc. (1946) 5: 10-14, processed. 389.9 N219P
- 22314 VAN BLANKICOM, L. O., and MORGAN, C. L. Freezing preservation of food products. South. Canner & Packer 7(2): 24-25, 34. (To be cont.) Feb. 15, 1946. 389.9 S622
- 22315 VEREIN DEUTSCHER INGENIEURE IM NSEDT. Gefrier-taschenbuch; herstellung, bewirtschaftung und verbrauch schnell gefrorener lebensmittel. Ed. 2. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3516, 180 p. Washington, 1945? 157.8 R29  
Published in Berlin, 1944.  
References at end of chapters.  
Contents: Pt. I. Grundlagen für die herstellung, bewirtschaftung und den verbrauch schnell gefrorener lebensmittel: Biologische grundlagen des gefrierens von lebensmitteln, by K. Paech, p. 3-7; Technische grundlagen des gefrierens von lebensmitteln, by R. Plank, p. 8-48; Wirtschaftliche grundlagen des gefrierens von lebensmitteln, by H. Mosolff, p. 49-55; Verpackung gefrorener lebensmittel, by G. Kaess, p. 56-76; Transport gefrorener lebensmittel, by R. Heiss, p. 77-90; Pt. II: Das gefrieren der verschiedenen lebensmittel: Fleisch, by E. Kallert, p. 92-104; Fette, by F. Kiermeier, p. 105-116; Eier, by F. Kiermeier, p. 117-120; Fische, by E. Loesser, p. 121-143; Gemüse und obst, by K. Paech, p. 144-166; Fruchtsäfte, by E. Loesser, p. 167-180.
- 22316 WILSON, G. L. Marketing and traffic management. Traffic World 77(8): 547-549. Feb. 23, 1946. 288.8 T672  
Seventh article in a series.  
Deals with the place of storing and warehousing in the marketing procedure.

## STATISTICS

- 22317 BELGIUM. OFFICE CENTRAL DE STATISTIQUE. Recensement agricole et horticole au 15 mai 1945, 135 p. Bruxelles, 1945. 258 St22Ra
- 22318 CANADA. BUREAU OF STATISTICS. Eighth census of Canada, 1941... New Brunswick... Census of agriculture, 142 p. Ottawa, 1945. 253 C3338Ag
- 22319 DENMARK. STATISTISKE DEPARTMENT. Landbrugsstatistik 1944 [Agricultural statistics]. Denmark. Statist. Dept. Statist. Meddel. (ser. 4), v. 125, No. 1, 222 p. København, 1945. 257.1 St2M
- 22320 MANITOBA. DEPT. OF AGRICULTURE AND IMMIGRATION. Report on crops, live stock, etc. produced in Manitoba in 1945, 56 p. Winnipeg, 1945. (Crop B. 124) 7 M31B
- 22321 MOZAMBIQUE. REPARTIÇÃO TÉCNICA DE ESTATÍSTICA. Anuário estatístico, 17th, 1944, 549 p. Lourenço Marques, 1945. 270 M874  
Contains statistics on population, food, land, credit, and agriculture.
- 22322 NANNESON, L. Räkenskapsresultat från svenska jordbruk. XXX. Bokföringsåret 1943/1944. Sweden. K. Lantbruksstyr. Meddel. 334, 120 p. Norrthälje, 1945. 11 Sw3  
Agricultural survey in Sweden based on farm book-keeping statistics.
- 22323 NATIONAL INDUSTRIAL CONFERENCE BOARD. The economic almanac 1945/46, 442 p. N. Y., 1945. 289.8 Ec742  
Agriculture, p. 159-178, is statistical.
- 22324 NEW JERSEY. BUREAU OF PLANT INDUSTRY. New Jersey agriculture, 1944, 42 p., processed. Trenton, 1945. 252.57 P69  
Statistical.
- 22325 SCHWEIZERISCHES BAUERNSEKRETARIAT. Preise landwirtschaftlicher erzeugnisse und ernteeerträge in der Schweiz 1944. Landw. Jahrb. der Schweiz 59: 331-382. 1945. (Statistische Schriften, No. 6.) 17 L23

## BEVERAGES AND CONDIMENTS

- 22326 ARANA, F. E. A cura da baunilha. Fazenda 40: 598-599. (To be cont.) Dec. 1945. 6 H1LP
- 22327 BAKER, J. L., and WARD, T. J. Maltng and brewing trials with three types of English barley. Inst. Brewing J. 52: 17-26. Jan./Feb. 1946. 390.9 In7



22328 BERNARD, E. S. La Convención del Café Centro-América y México y la clasificación de nuestro café. *Café de Nicaragua* 1(13): 9. Dec. 1945. 68.28 C114

22329 BOSCOLI, G. Rápidas observações sobre o café cubano. *UNC; Rev. do Dept. Nac. do Café [Brazil]*, 25: 643-644. Nov. 1945. 286.83 D44

22330 BRADFIELD, E. A. Recent developments in the chemistry of tea. (Sum.). *Chem. & Indus.*, No. 5, p. 49-50. Feb. 2, 1946. 382 M31C

22331 BROWN, A. A. The spice(s) of life. *Frontiers* 10(3): 77. Feb. 1946. 410 F92

22332 CAPT, E. Degré de sonde et acidité dans l'appréciation des moûts. *Rev. Romande d'Agr., de Vitic. et d'Arbor.*, No. 2, p. 4-5. Feb. 1945. 17 J82A

22333 CHALONER, E. J. A revival of perry and cider making. *Smallholder* 74(1870): 12. Jan. 18, 1946. 10 Sml

22334 CLARKE, W. T. Chocolate, coffee, baking targets. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 3418, 10 p., processed. Washington, 1945. 157.8 R29  
Chiefly on the chocolate industry.

22335 CLARKE, W. T. Report on Otto Bertram. *Hamburg Bilbrookreich* 53. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 4316, 8 p., processed. Washington, 1945. 157.8 R29  
Cacao products industry.

22336 CLARKE, W. T. Report on Pahl & Doescher Cebruder Hamburg-Altona. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 4314, 3 p., processed. Washington, 1945. 157.8 R29  
Cacao products industry.

22337 CLARKE, W. T. Report on Sarotti Schokoladenfabrik, Berlin. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 3442, 2 p., processed. Washington, 1945. 157.8 R29

22338 CLARKE, W. T. Report on Schokolade-Industrie A. G. Schokkinag, Mannheim. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 3445, 2 p., processed. Washington, 1945. 157.8 R29

22339 DESCHOUZILLES, J. Le vinaigre. *Rev. Agr. de l'île Maurice* 24: 235-240. Sept./Oct. 1945. 24 M44

Analysis of locally produced vinegars.

22340 DEUX, Y. Le rôle de l'oxygène et des substances réductrices en brasserie. *Assoc. des Chim. B.* 62: 111-134. Apr./June 1945. 383 As7

22341 ENGLENDOW, SIR F. Science and tea. (Sum.). *Chem. & Indus.*, No. 5, p. 49. Feb. 2, 1946. 382 M31C

22342 JACOBS, M. B. Vanilla extract a favorite flavor. *Amer. Perfumer and Essential Oil Rev.* 48 (2): 59, 61, 63. Feb. 1946. 308.8 Am3

22343 KENT, J. L. Cuppa coffee, chum? *Pop. Mechanics Mag.* 85(3): 148-151, 238, 240. March 1946. 291.8 P81

Chiefly processing of coffee.

22344 LAMPITT, L. H. An historical survey of tea. (Sum.). *Chem. & Indus.*, No. 5, p. 49. Feb. 2, 1946. 382 M31C

22345 LANDES, K. H. What to know about mace. *Spice Mill* 69(2): 61-62. Feb. 1946. 389.8 Sp4

Analysis and composition.

22346 MARINGÉ, A. Le froid artificiel en brasserie. *Chim. & Indus. [Paris]*, 55(1): 16-22. Jan. 1946. 383 C42

22347 MELLO, J. C. O café e as exportações brasileiras, de janeiro a junho de 1945. *São Paulo. Supt. dos Serv. do Café. B.* 20: 746-748. July 1945. 68.29 Sa63

22348 OPARIN, A., BEZINGER, E., and PATSYNA, I. O prevrashchenii azotistykh veshchestv shampanskogo (Changes of nitrogenous substances in champagne wine during processing). *Biokhimiia* 10: 311-325. 1945. 385 B523

English summary.

22349 OSTERWALDER, A. Weitere beiträge zur kenntnis des braunwerdens der weine. *Landw. Jahrb. der Schweiz* 59: 573-605. 1945. 17 L23

22350 RABAK, F. Seeds, leaves and stems as factors influencing the quality and brewing value of hops. *Brewers Digest* 21(2): 43-46. Feb. 1946. Ref. 390.8 B75

22351 ROUTIER, E. Spices. *Culinary Rev.* 14 (5): 5. (To be cont.) Feb. 1946. 389.8 C89  
Description of various spices.

22352 TAVERNIER, J., and JACQUIN, P. Contribution à l'étude de la casse ferrique des cidres. *Assoc. des Chim. B.* 62(1/3): 57-64. Jan./Mar. 1945. 383 As7

Corrective treatment for this cider disease.

22353 TAVERNIER, J., and JACQUIN, P. Influence de l'élimination partielle des matières azotées des moûts de pommes sur la fermentation des cidres. Importance de la défécation en cidrerie. *Paris. Acad. des Sci. Compt. Rend.* 222: 416-418. Feb. 11, 1946. 505 P21

22354 TITUS, A. C. Attempted pasteurization of beer by dielectric heat treatment. *Amer. Brewer* 79 (2): 23-24, 65-66. Feb. 1946. 390.8 Am3

22355 URRUELA, R. J. Coffee is a headache. *New Orleans Port Rec.* 4(6): 27-28. Feb. 1946. 286.8 N472

The Latin American industry.

22356 VAZQUEZ BELLO, L. La industria del café. *Cuba. Min. de Agr. Almanaque* (1946) 2: 57-67. 8 C896

22357 VERGNAUD, H. Le cacao dans l'économie mondiale; ses aspects et son importance dans l'Empire Français. *Assoc. des Chim. B.* 62(1/3): 65-79. Jan./Mar. 1945. 383 As7

#### DAIRY PRODUCTS

22358 A., M. B. Milk producers can grasp rich prize. *Farmer & Stock-Breeder* 60: 65. Jan. 8, 1946. 10 F228

22359 AGENDA de l'industrie laitière, 39, 1946, 160 p. Lyon, 1945? 44.8 Ag3

A compendium of useful information for the industry.

22360 ARMSTRONG, J. T. Can the industry produce more? *Live Stock B.*, Oct. 1, 1945, p. 40. 23 F222

The dairy industry in Australia.

22361 AUSTRALIAN DAIRY PRODUCE BOARD. Annual report, 20th, 1944/45, 25 p. Canberra, 1945. 44.9 Au72

22362 BARR, G. W. Dairying no bed of roses. *Ariz. Farmer* 25(4): 8. Feb. 23, 1946. 6 Ar44

22363 CAN NEW ZEALAND cater for India's ghee trade? By "Trade Winds." *New Zeal. Dairy Exporter* 21(6): 21-23. Feb. 1946. 44.8 N484

22364 CASTLE, B. F. North Carolina praised; the milk industry's war record. *South. Dairy Prod. J.* 39(3): 26. Mar. 1946. 44.8 So83

22365 COTTON, W. P. Trends in production and consumption: dairy products. *South. Dairy Prod. J.* 39(3): 110-114. Mar. 1946. 44.8 So83

22366 COUNTER, C. More dairymen face bright future. *South. Planter* 107(3): 28. Mar. 1946. 5 So39

22367 CUNNINGHAM, L. C. Postwar agricultural problems in the dairy regions. *J. Farm Econ.* 28: 261-264. Feb. 1946. 280.8 J822

22368 CUNNINGHAM, L. C. Seasonal milk production and market requirements in New York. *N. Y. Agr. Col. (Cornell) A. E.* 540, 13 p., processed. Ithaca, 1945. 281.9 C81

22369 EIDGENÖSSISCHE MILCHWIRTSCHAFTLICHE UND BAKTERIOLOGISCHE ANSTALT LIEBENFELD-BERN. Tätigkeitsbericht (umfassend die Jahre 1938-1943). *Landw. Jahrb. der Schweiz* 59: 821-868. 1945. 17 L23

- 22370 EITREIM, I. M. Canadian dairy situation. (Excerpts.) *Pacific Dairy Rev.* 50(3): 24. Mar. 1946. 286.85 P11
- 22371 ESCOBAR, R. El desastre de la industria lechera en el valle de Juárez. *Agr. Mex.* 62(1): 6-12. (To be cont.) Jan. 1946. 8 Ag8
- 22372 FERRÃO, V. A. A. A crise do leite [Brazil]. *Campo [Rio de Janeiro]* 16(192): 2-3. Dec. 1945. 9.2 C15
- 22373 HAIN, A. J. Milk plant waste. *J. Milk Technol.* 9(1): 22-26. Jan./Feb. 1946. 44.8 J824 Efficiency in management.
- 22374 HARMON, E. M. Postwar planning for the dairy industry. *Moos* 6(7): 9. Feb. 1946. 44.8 M78
- 22375 HODGSON, R. E., and HUNTER, O. F. La industria lechera en El Salvador. *Rev. Canad. [San Salvador]* 5(58/61): 8-37. Sept./Dec. 1945. Ref. 8 K3292
- 22376 HOLMAN, C. W. The national picture on reconversion of the dairy industry. *Moos* 6(7): 11, 17-18. (To be cont.) Feb. 1946. 44.8 M78
- 22377 JACKSON, J. E. Past--present--future, Georgia's milk supply. *South. Dairy Prod. J.* 39(3): 28. Mar. 1946. 44.8 So83
- 22378 KENNEDY, A. B. Whose job is it? *Farm and Ranch* 65(3): 24. Mar. 1946. 6 T31 Supply and demand for dairy products.
- 22379 KIRBY, F. R. Carroll County's amazing dairy progress. *Prog. Farmer, Car.-Va. Ed.* 61(3): 78-79. Mar. 1946. 6 P45
- 22380 KUTISH, P. A. Dairying in war and peace. *Iowa Farm Econ.* 12(2): 16. Feb. 1946. 275.28 I692
- 22381 LAND O'Lakes Creameries; a quarter century of successful growth and service. *Hoard's Dairyman* 91: 204-205, 216-217. Mar. 10, 1946. 44.8 H65
- 22382 LETZ, R. Texas Dairy Products Institute studies outlook. *South. Dairy Prod. J.* 39(3): 90-92, 94-95. Mar. 1946. 44.8 So83
- 22383 LLERAS, A. La producción de leche en la sabana de Bogotá. *Agr. Trop.* 1(12): 49-52. (Cont.) Jan. 1946. 26 Ag8
- 22384 MCCAMPBELL, F. H. Pacific Coast dairy industry faces supply problem. *Pacific Dairy Rev.* 50(2): 16, 22. Feb. 1946. 286.85 P11
- 22385 MCGUNK, V. On the job for dairy industry. *South. Dairy Prod. J.* 39(3): 30, 32. Mar. 1946. 44.8 So83
- Work of the Dairy Council.
- 22386 MANN, S. N. North Carolina Dairy Products Association steps toward peace time stride. *Milk Dealer* 35(5): 102. Feb. 1946. 44.8 M595
- Also in *South. Dairy Prod. J.* 39(3): 20-23. Mar. 1946. 44.8 So83
- 22387 MILK production and utilization. *Borden's Econ. Digest* 2(2): 1-2, 4-8. Jan. 1946. 389.8 B642
- The situation and outlook in the dairy industry.
- 22388 NATIONAL COOPERATIVE MILK PRODUCERS FEDERATION. A dairy policy, 1946; being the resolutions passed by the twenty-ninth annual convention in Chicago, Ill., December 4, 5, 6, 1945. *Natl. Coop. Milk Prod. Fed. Ed. Ser.* 29, 16 p. Washington, D. C., 1945. 281.3449 N21
22389. NORWAY. STATISTISK SENTRALBYRÅ. Meieri-bruket i Norge [Dairy industry in Norway], 1943. 73 p. Oslo, 1945. (Norges Offisielle Statistikk X. 90) 44.9 N832
- 22390 PIPER, H. L. The milk situation. *New England Homestead* 119(4): 13, 20. Feb. 23, 1946. 6 M442
- 22391 FRUITT, R. S. What's wrong with Missouri's butter and cheese industry? *Cheese Rptr.* 70 (26): 5-6, 9. Feb. 22, 1946. 44.8 Sh3
- 22392 RATHBURN, H. H. The northeastern dairy situation. *Moos* 6(7): 10, 17. (To be cont.) Feb. 1946. 44.8 M78
- 22393 REED, P. E. Western dairy industry has had steady progress. *Canad. Dairy and Ice Cream J.* 25(2): 56, 58, 60. Feb. 1946. 44.8 C162
- 22394 RICE, E. B. Queensland butter production, 1944-45. *Queensland Agr. J.* 62: 17-29. Jan. 1, 1946. 23 Q33
- 22395 RYAN, J. The future of dairying in Eire. *Irish Agr. and Creamery Rev.* 14(144): 9-10. Dec. 1945. 44.8 C866
- 22396 SHANNON, K. From cotton to cheese. *Ark. Farmer* 48(2): 4-5. Feb. 1946. 6 Ar42 Dairying in Arkansas.
- 22397 SHEEHY, E. J. Dairying in the pattern of Irish agriculture. *Farmers' Gaz. [Dublin]* 104: 148-150. (To be cont.) Mar. 2, 1946. 10 F221
- 22398 SKAU, J. Osteproduktion og osteeksport. *Andelsbladet* 47: 173-174. Feb. 7, 1946. 280.28 An2 Cheese production and export in Denmark.
- 22399 SPECIAL supplement on Federal hearings New York State, January 17th-25th, 1946. *Dairy Farmer's Digest* 7(90): 3, 5-11. Feb. 1946. 280.38 D142
- Testimony of H. H. Rathbun, H. Rolfe, L. A. Chapin, Mrs. K. Myers, and F. E. Snyder, on the New York State dairy industry.
- 22400 STITTS, T. G. Trends in the dairy industry. (Excerpts.) *Amer. Milk Rev.* 8(2): 18, 20, 32. Feb. 1946. 44.8 Am38
- 22401 VEALE, P. O. Milk. I. Straight Furrow 5(2): 85. Dec. 15, 1945. 281.8 St8
- 22402 VINE, R. Hill country dairying; kindness and common sense compensate for not too kind land. *New Zeal. Farmer Weekly* 66(25): 4-6. Feb. 7, 1946. 23 M484
- 22403 WHO'S who in the butter, cheese and milk industries, 1945-1946. *Amer. Butter Rev.*, v. 7, No. 2, 288 p. Feb. 1946. 44.8 Am37
- 22404 WIEDENMAYER, J. E. The ice cream industry in Uruguay. *Ice Cream Trade J.* 42(1): 38-39, 69-71. Jan. 1946. 389.8 Ic2
- 22405 WILSON, MRS. C. H. Goat milk in southern Maine. *Amer. Dairy Goat News* 7(9): 5. Mar. 1946. 40.18 Am34
- 22406 ZOLLIKOFER, E., and KRUPSKI, A. Untersuchungen über die produktions- und gehaltsschwankungen der milch auf den Alpen Prâlet und Cotter im Val d'Hérens, Valais. (To be cont.) *Schweiz. Arch. f. Tierheilk.* 88(1): 25-39. Jan. 1946. 41.8 Sch9

#### Analysis and Composition

- 22407 ANDERSON, E. B. The chemist in the dairy industry. (Sum.). *Chem. & Indus.*, No. 5, p. 48-49. Feb. 2, 1946. 382 M31C
- Discussion p. 49.
- 22408 DAVIS, J. G. Problems in the bacteriological grading of milk; part II. *Food Manufacture* 21: 73-78. Feb. 1, 1946. 389.8 F736
- 22409 ELDRED, N. R., and RODNEY, G. The effect of proteolytic enzymes on raw and heated casein. *J. Biol. Chem.* 162: 261-265. Feb. 1946. 381 J824
- 22410 F., F. W. Identifying bacteria present in milk. *Farmers' Gaz. [Dublin]* 103: 778. Dec. 29, 1945. 10 F221
- 22411 FUNDER, S. Penicillin og gammeloest Penicillin and old cheese. *Meieriposten* 34: 706-710. Dec. 15, 1945. 44.8 M47
- 22412 GILMAN, H. L., DAHLBERG, A. C., and MARQUARDT, J. C. The occurrence and survival of *Brucella abortus* in Cheddar and Limburger cheese. *J. Dairy Sci.* 29: 71-85. Feb. 1946. 44.8 J822
- 22413 HERRINGTON, B. L. The calculation of total solids by means of the Sharp and Hart equation. *J. Dairy Sci.* 29: 87-89. Feb. 1946. 44.8 J822
- 22414 MASUROVSKY, B. I. Lecithin in chocolate ice cream. *Ice Cream Trade J.* 41(10): 84, 125. Oct. 1945. 389.8 Ic2



22415 MATTICK, A. T. R. Some aspects of dairy bacteriology. Endeavour 5: 24-28. Jan. 1946. 472 En2

22416 MOSIMANN, W. Zur frage der herkunft der käsewichtigen säuerungsflora im schottenmagenlab. Landw. Jahrb. der Schweiz 59: 711-726. 1945. 17 L23

22417 NOYES, W. E. Thermoduric and thermophilic bacteria in dairy products. Canad. Dairy and Ice Cream J. 25(2): 62-64. Feb. 1946. 44.8 C162  
Also in Amer. Milk Rev. 8(3): 16, 33-37. Mar. 1946. 44.8 Am38

22418 PROVAN, A. L. The chemist and milk production. Chem. & Indus., No. 5, p. 47-48. Feb. 2, 1946. 382 M31C

#### Quality control.

22419 REHALEY, R. J. Fat problems in dairy products. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 19-21. 1945. 157.8 R29  
Problems of oxidation.

22420 RITTER, P. Einfluss der erwärmung von aseptisch ermolkenen rohmilch auf das wachstum der wichtigsten milchsäurebakterienarten und Esch. coli. Landw. Jahrb. der Schweiz 59: 915-928. 1945. Ref. 17 L23

22421 ROBINSON, A. D., and SAMSON, H. S. The source of acidity of fresh milk from Jersey cows. Canad. J. Res. Sect. B, Chem. Sci. 24: 5-11. Jan. 1945. Ref. 470 C16B

22422 SAID, H., and NADA, I. A. A. A substitute for 'annatto' in butter. Nature [London], 157: 232. Feb. 23, 1946. 472 M21

22423 SLATTER, W. L. Bacteriological defects in butter. (Digest.) Natl. Butter and Cheese J. 37(3): 40. Mar. 1946. 286.85 B98Bu

22424 TRÖNI, J. Zur frage der herkunft der typischen milchsäurebakterien im schottenmagenlab (naturlab). Landw. Jahrb. der Schweiz 59: 708-710. 1945. 17 L23

22425 WILKINSON, J. F. Why do those tests vary? Hoard's Dairyman 91: 175. Feb. 25, 1946. 44.8 H65  
Babcock test for butterfat.

#### Consumption and Utilization

22426 SALVENDSON, M. Foredlingen av kaseinet. Meieriposten 34: 670-672. Dec. 1, 1945. 44.8 M47  
Utilization of skimmed milk casein.

#### Distribution, Marketing, and Transportation

22427 BRUBAKER, D. D. Wanted! new blood, new ideas. News Farmer Coop. 12(12): 5, 17. Mar. 1946. 166.2 N47

In dairy cooperatives.

22428 DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC. Story of the year 1944-45, 25 p. N. Y., 1946? 44.9 D143

22429 FIENEMANN, H. W. NEMPA [New England Milk Producers' Association] prepares to handle flush surplus with new condensing pan. New England Dairyman 30(2): 11-13. Feb. 1946. 44.8 N44

22430 GLEFFORD, C. Interesting creameries; the story of the growth and development of the Humboldt Co-op Creamery Ass'n, Humboldt, Iowa. Creamery J. 57(2): 8, 25. Feb. 1946. 44.8 C86

The second of a series.

22431 HARLAN, B. B. Producer relations. South. Dairy Prod. J. 39(3): 98. Mar. 1946. 44.8 So83  
Ways in which the milk distributor can help the producer.

22432 HIBBEN, B. "Yes, I said a billion" declares Bob Hibben. Ice Cream Trade J. 41(10): 60-61, 126-129. Oct. 1945. 389.8 Ic2  
1955 goal, 1,000,000,000 gallons.

22433 HIRSCH, D. E. Adding another spoke to the Swiss cheese "wheel." News Farmer Coop. 12(12): 15-16. Mar. 1946. 166.2 N47  
Cooperative marketing of Swiss cheese.

22434 HOLMAN, C. W. Activities of the National Cooperative Milk Producers Federation; being a review of the 1945 dairy problems and current developments. Natl. Coop. Milk Prod. Fed. Ed. Ser. 28, 28 p. Washington, D. C., 1945? 281.3449 N21

22435 LACLEOD, A. Research and educational programs in the marketing of milk and dairy products. J. Farm Econ. 28: 144-157. Feb. 1946. 280.8 J822

22436 MORROW, A. Inefficiency preferred! Food Indus. 18: 347-348. Mar. 1946. 389.8 F737  
Milk deliveries.

22437 MORTENSON, W. P. Maintain wartime milk distribution economies. Hoard's Dairyman 91: 145, 170. Feb. 25, 1946. 44.8 H65

22438 NATIONAL ASSOCIATION OF COOPERATIVES. Southern dairymen find co-ops helpful. South. Dairy Prod. J. 39(3): 98-100. Mar. 1946. 44.8 So83

22439 NIELSEN, R. Andelsmejeriernes forhistorie paa Naestvedegnen. Andelsbladet 47: 109-111. Jan. 24, 1946. 280.28 An2  
Cooperative dairies in Denmark.

22440 RABUFFO, V. M. Food chain--ice cream survey. Ice Cream Trade J. 41(10): 48-49, 70, 72, 74, 90. Oct. 1945. 389.8 Ic2

22441 RABUFFO, V. M. 40% of the food chains plan to sell ice cream. Ice Cream Trade J. 41(10): 50-52, 116-121. Oct. 1945. 389.8 Ic2

22442 ROTHE, H. H. Dade-Broward milk producers lead in farm to plant transportation. Fla. Poultryman and Stockman 12(3): 30-31. Mar. 1946. 47.8 F66

#### Grading, Inspection, Standardization, and Quality

22443 ANDERSON, O. E. "R" for the quality test habit"; Ohio's new milk sanitation regulation. Milk Plant Monthly 35(3): 27-28, 64-65. Mar. 1946. 44.8 C864

22444 ANDERSON, O. E. What's coming in government controls? Ice Cream Field 47(2): 26, 37. Feb. 1946. 389.8 Ic23

In the dairy industry.

22445 BROWN, J. H. Why certified milk? Amer. J. Med. Sci. 211(2): 144-148. Feb. 1946. 448.8 Am3

22446 BURGWARD, L. H., and JOSEPHSON, D. V. Keeping quality of milk. Milk Dealer 35(5): 44, 100-101. Feb. 1946. 44.8 M595  
Also in Pacific Dairy Rev. 50(2): 20, 45. Feb. 1946. 286.85 P11

22447 CARRUTH, P. Quality milk production for Arkansas. Ark. Farmer 48(2): 6-8. Feb. 1946. 6 Ar42

22448 DAVIS, J. G. The purchase of milk on a total quality basis. Austral. Milk & Dairy Prod. J. 12(10): 17. Oct. 1945. 44.8 Au72

22449 ERB, J. H. Ice cream quality held management's responsibility. Confectionery-Ice Cream World 35(6): 15. Feb. 8, 1946. 389.8 C767

22450 FISCHER, B. M. Laboratory check on clean milk. Dairyman 63: 83, 85. Mar. 1946. 44.8 D1426

22451 LACKNER, C. E. Regulations for Ontario butter improvement to be up-to-date. Canad. Dairy and Ice Cream J. 25(2): 41-42. Feb. 1946. 44.8 C162

22452 MARQUARDT, J. C. The relationship of sediment to the flavor of milk. J. Milk Technol. 9(1): 5-11. Jan./Feb. 1946. 44.8 J824

22453 NIELSEN, S. Statens smørbedømmelser 1944. Andelsbladet 47: 115. Jan. 24, 1946. 280.28 An2  
Quality of Danish butter.

22454 SKERTCHLY, C. Britain's standards for ice cream, confused; milk-solids-not-fat may supersede butter-fat in importance - two opposing formulas cause snarl. Ice Cream Field 47(2): 60. Feb. 1946. 389.8 Ic23

22455 STOLTZ, R. B. Organize for quality. Amer. Butter Inst. Serv. B., No. 966, p. 1-5, processed. Feb. 20, 1946. 44.9 Am33C

Cream quality program in Ohio.

22456 TOMKINSON, D. S. Safe, clean, raw milk - what is being done [Great Britain?] Home and Country [London], 28(1): 5. Jan. 1946. 281.28 H752

22457 VINCENT, W. Manufactured dairy products; the sanitary aspects viewed from infant and invalid use. J. Milk Technol. 9(1): 40-47. Jan./Feb. 1946. 44.8 J824

22458 WHITE, A. H., and GIBSON, C. A. Report of studies on the "winter" flavour of butter. Canad. Dairy and Ice Cream J. 25(2): 35-37, 65-66. (To be cont.) Feb. 1946. 44.8 C162

#### Packing and Packaging

22459 COULTER, S. T., and JENNNESS, R. Gas-packing dry whole milk. Food Indus. 18: 352-355, 468, 470, 472. Mar. 1946. 389.8 P737

#### Prices, Price Control, and Rationing

22460 MCINTYRE, E. R. To maintain dairy prices. Hoard's Dairyman 91: 199. Mar. 10, 1946. 44.8 H65

22461 BABUFFO, V. K. Dealer prices; start of an exclusive survey for knowledge on retail prices, markets and profits so vital to the new ice cream era ahead. Ice Cream Trade J. 42(1): 24-26, 28, 30, 65-68. Jan. 1946. 389.8 Ic2

22462 WALKER, R. Milk rationing in Britain to stay 'a long time.' Prod.-Packer 26(9): 5. Feb. 23, 1946. 286.85 P94

#### Processing and Storage

22463 A., M. B. Butter without churning; Swiss invention which promises revolutionary methods of manufacture. Farmer & Stock-Breeder 60: 359. Feb. 19, 1946. 10 F228

22464 ACKERMANN, H. A. Trends and economies in ice cream flavors. Ice Cream Rev. 29(8): 50, 100. Mar. 1946. 389.8 Ic22

Also in South. Dairy Prod. J. 39(3): 36, 38-39. Mar. 1946. 44.8 So83

22465 BRYCE, W. A., and PEARCE, J. A. Dried milk powder. IV. The effect of storage temperature, moisture content, and plant source on the keeping quality of milk powders of different fat levels. Canad. J. Res. Sect. F, Technol. 24: 61-69. Jan. 1946. Ref. 470 C16F

22466 CARNES, R. W. The sanitary program of Abbotts Dairies, Inc., Cameron, Wisconsin. J. Milk Technol. 9(1): 27-30. Jan./Feb. 1946. 44.8 J824

22467 CAULFIELD, W. J. Sugar conservation practices. Ice Cream Rev. 29(7): 42-43, 68, 70, 72, 74. Feb. 1946. 389.8 Ic22

In ice cream manufacture.

22468 CHAPMAN, R. A., and MCFARLANE, W. D. The effect of wheat germ oil antioxidants and natural reducing substances on the stability of whole milk powder. Canad. J. Res. Sect. F, Technol. 24: 47-60. Jan. 1946. Ref. 470 C16F

22469 CUTTELL, J. R. Cream line and high temperature short-time pasteurisation. Irish Agr. and Creamery Rev. 14(144): 19-20. (To be cont.) Dec. 1945. 44.8 C866

22470 DAVIS, J. G. Cheesemaking. Austral. Milk & Dairy Prod. J. 12(10): 13. Oct. 1945. 44.8 Au72

22471 DOROFEEV, F. Molochnyi zavod. Kolkhoz. Proizvod. 5(8/9): 30. Aug./Sept. 1945. 281.8 K83  
Milk plant at the Il'ich kolkhoz in the Voronezh Region.

22472 ENGLAND, C. W. Postwar formulas for ice cream. Ice Cream Field 47(2): 28, 74-76. Feb. 1946. 389.8 Ic23

22473 FREEMAN, T. R., and FOUTS, E. L. Grain derivatives in ice cream mixes. Amer. Miller and Processor 74(1): 85, 228. Jan. 1946. 280.8 Am32

22474 HOLM, G. E. Fat deterioration in milk products. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 151-153. 1945. 157.8 R29

22475 HOSTETTLER, H., KURSTEINER, J., and SAHLI, K. Der einfluss des salzens des käsebruchs im käsekessel auf den wasser- und kochsalzgehalt sowie auf den eiweissabbau des reifenden käses. Landw. Jahrb. der Schweiz 59: 929-942. 1945. Ref. 17 L23

22476 JARRETT, J. M., and JESSUP, B. L. Milk sanitation in North Carolina. South. Dairy Prod. J. 39(3): 60-61. Mar. 1946. 44.8 So83

22477 MASUROVSKY, B. I. Varieties of nuts used in ice cream. Ice Cream Trade J. 42(1): 60, 79-80. Jan. 1946. 389.8 Ic2

22478 PAVCEK, P. L. Report on Milei, G. m. b. H., Stuttgart. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3441, 2 p., processed. Washington, 1945. 157.8 R29  
"Milei" is a dried milk powder manufactured as an egg substitute.

22479 PERRY, R. L. Report on Deutsche A. G. für Nestle Erzeugnisse, Kiel, Milchwerke Angeln, Kappeln. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1808, 6 p., type-written. Washington, 1945. 157.8 R29

Milk processing and plant equipment.

22480 RAMSEY, R. J. Storage of [ice cream] ingredients. Ice Cream Field 47(2): 14, 16. Feb. 1946. 389.8 Ic23

Also in Ice Cream Rev. 29(8): 46, 48, 98. Mar. 1946. 389.8 Ic22

22481 SANDERS, G. P., and others. The rapid ripening of Cheddar cheese made from pasteurized milk. Milk Plant Monthly 35(3): 43, 46. Mar. 1946. 44.8 C864

R. P. Tittsler, H. E. Walter, O. S. Sager, H. R. Lochry, and D. S. Geib, joint authors.

22482 SIEVERT, C. W. The days ahead in dry milk. Natl. Butter and Cheese J. 37(3): 42, 44, 46, 48. Mar. 1946. 286.85 B98Bu

22483 SPACHT, M. E. The manufacture of synthetic butter. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1667, 5 p., processed. Washington, 1945. 157.8 R29

22484 STEVENS, G. P. Food inspection agency asks for improvement in handling of milk. Utah Farmer 65(14): 13. Mar. 10, 1946. 6 D45

22485 THOMSEN, F. L. Future of dry whole milk. Hoard's Dairyman 91: 150. Feb. 25, 1946. 44.8 H65  
Also in Milk Prod. [Houston] 11(2): 10. Mar. 1946. 44.8 M8923

#### Statistics

22486 QUEBEC BUREAU OF STATISTICS. Recensement de l'industrie laitière, 1944, 15 p. Quebec, 1945? 253.8 St21

Text in English and French.

22487 SCHWEIZERISCHES BAUERNSEKRETARIAT. Milchstatistik der Schweiz 1944. Landw. Jahrb. der Schweiz 59: 607-669. 1945. (Statistische Schriften, No. 7) 17 L23

#### FEED AND FORAGE CROPS

22488 ANDERSSON, A. Produktionen och disponeringen av vissa fodermedel och foderblandningar under krisåren. Sweden. Kommerskol. Jordbruksekonom. Uppgifter 9(1): 8-19. Jan. 1946. (Bound with Sweden. Kommerskol. Kom. Meddel., v. 33, No. 1) 257.3 K832K

Manufacture and distribution of feed and feed concentrates in Sweden during the war.

22489 AHLGREN, G. H. Quality hay needed. Hoard's Dairyman 91: 190, 223, 227. Mar. 10, 1946. 44.8 H65

Includes haymaking.



## FIBERS AND TEXTILES

22490 BEANE, F. E. Farmers really get hot. New England Homestead 119(5): 38. Mar. 9, 1946.

6 M442

Threatened feed shortage.

22491 CHAPMAN, P. W. A community feed dehydration plant. Prog. Farmer, Car. 72. Ed. 61(3): 82. Mar. 1946. 6 P945

22492 CONWAY, H. M. Feed grain situation further discourages live stock finishing. Natl. Live Stock Prod. 24(6): 10. Mar. 1946. 280.38 N21

22493 HILTON, J. H. Feed needs of North Carolina. South. Planter 107(3): 6. Mar. 1946. 6 So89

22494 IVORY, B. Prepare for your feed shortage; adequate green feeds and early maturing grains will help to s-t-r-e-t-c-h your feed supply. Turkey World 21(2): 24, 97-100. Mar. 1946. 47.38 T84

22495 JONES, R. E. Demand action to relieve feed shortage. New England Homestead 119(5): 33. Mar. 9, 1946. 6 M442

22496 JONES, R. E. Feed shortage threatens. New England Homestead 119(5): 34-35. Mar. 9, 1946. 6 M442

22497 KLAUSMEIER, R. Poultry panic unnecessary; stable situation in Indiana. Hoosier Farmer 31(3): 10. Mar. 1946. 280.82 H76

The feed shortage.

22498 LEE, C. E. The feed outlook for the coming year. Everybodys Poultry Mag. 50(11): 8, 30-31. Dec. 1945. 47.8 F213P

22499 LOWRY, G. Martins promote business by mail. Poultry Supply Dealer 23(2): 22, 64-65. Feb. 1946. 47.8 B11

Describing the advertising methods of a feed store.

22500 MCINTOSH, O. The feed situation. Amer. Farm Youth 11(9): 24-25. Feb. 1946. 6 Am393

22501 MALTAS, K. J. Protein supplies will continue to be short for many years to come. Feed Bag 22(2): 37-38, 91-92. Feb. 1946. 389.78 F32

22502 MONTGOMERY, G. Feed grain use per unit increases. Feedstuffs 18(5): 12. Feb. 2, 1946. 286.81 F322

22503 MONTGOMERY, G. Feed shortage to extend into 1947. Feedstuffs 18(10): 67. Mar. 9, 1946. 286.81 F322

22504 NORTON, L. J. Demand for feed will continue strong as long as farm incomes remain high. Feed Bag 22(2): 59-60, 87-88. Feb. 1946. 389.78 F32

22505 PECK, L. Suggestions for 1946. Amer. Miller and Processor 74(1): 154-155. Jan. 1946. 280.8 Am32

Feed milling.

22506 PHILLIPS, R. A. History shows feed prices incline. Northwest. Miller 225(10): 30. Mar. 5, 1946. 298.8 N81

22507 RITTER, E. Catalogs provide lasting advertising. Feedstuffs 18(11): 58-59. Mar. 16, 1946. 286.81 F322

Suggests that feed dealers issue catalogs of the almanac type.

22508 TURK, K. L. Grow more feed. Dairymen's League News 30(6): 8. Mar. 12, 1946. 44.8 D1432

22509 TURK, K. L. Serious feed shortage threatens. Dairymen's League News 30(5): 6, 7. Feb. 26, 1946. 44.8 D1432

22510 WALL, M. E., and KELLEY, E. G. Carotene loss in stored leaf meals and extracts. Indus. and Engin. Chem., Indus. Ed. 38(2): 215-218. Feb. 15, 1946. Ref. 381 J825

22511 WOOLMAN, C. S. The corn situation. Flour & Feed 46(9): 41. Feb. 1946. 298.8 F66

Corn as feed.

22512 YOUNG, N. R. The feed situation. Coop. Poultryman 11(3): 4. Mar. 1946. 47.8 C782

22513 A. R. L'industrie du coton en Egypte. Egypte Agr. 43: 207-212. (Concl.) Nov./Dec. 1945. 24 Un3P

22514 AHMAD, N. Spinning test report on cotton. Indian Cent. Cotton Com. Technol. Lab., Technol. C. 619-620, 622-624, 623-633. 1-3 p. each. Bombay, 1945. 72.9 In2332C

C. 619. Bijapur cotton 1934-45; C. 620. Suyog (Seg. 8-1) cotton 1944-45; C. 622. Hubli Jayawant cotton 1941-45; C. 623. Farm Westerns cotton 1944-45; C. 624. L.S.S. (Shahpur cotton 1944-45; C. 626. P. A. 4F. (Bahawalpur) 1943-45; C. 627. Vijay cotton 1944-45; C. 628. P. A. 4F. (Jhang) 1944-45 cotton; C. 629. Broach B. D.8 cotton 1943-45; C. 630. Navsari cotton 1937-45; C. 631. Sind Sudhar cotton, 1938-45; C. 632. Bagalkote Jayawant cotton, 1943-45; C. 633. Upland cotton 1944-45.

22515 AHMAD, N. Technological report on Punjab-American 4F, 1944-45; Jayawant (Kumta) 1944-45. Indian Cent. Cotton Com. Technol. Lab., Technol. C. 621, 625, 4 p. each. Bombay, 1945. 72.9 In2332C

22516 ALLOUBA, A. M. Egyptian government's cotton policy. Cotton Trade J., Internat. Ed. (1945/46) 14: 97. 72.8 C82141

22517 ALPACAS and other queer beasts. Scot. Woollens, No. 34, 4 p. Edinburgh, 1945. 304.8 Soc8

As wool sources.

22518 ASTBURY, W. T. The X-ray interpretation of wool. Textile Rec. 63(755): 53, 63. Feb. 1946. Ref. 304.8 T311

22519 ATKINS, W. G. Jute and the chemical industry. Chem. & Indus., No. 6, p. 58-61. Feb. 9, 1946. 382 M31C

The chemistry of processing.

22520 PERRY, K. W. Cotton exchanges are a vital necessity to sound economics in the marketing of America's gigantic cotton crop. Cotton Trade J. 26(7, 1. e. 6) Sect. 2: 11, 27. Feb. 8, 1946. 72.8 C8214

22521 BONNET, F. Developments in viscose rayon. Amer. Dyestuff Rptr. 35: P68-P70. Feb. 11, 1946. 306.8 Am3

22522 BOOTH, E. A. International wool problems. Natl. Wool Grower 36(2): 16-18, 48-49. Feb. 1946. 45.8 N21N

22523 BOWMAN, N. Annual report Colorado Wool Marketing Association. Colo. Wool Grower and Marketer 11(12): 3, 14. Feb. 1946. 280.38 C71

22524 CADENA G., F. Campaña de fique. Agr. Trop. 1(12): 53-54. Jan. 1946. 26 Ag8

22525 CHAMBERLAIN, N. H., and MENKART, J. The determination of milling and felting shrinkage on small samples of fabrics and loose fibre. Soc. Dyers and Colourists. J. 61: 286-291. Nov. 1945. 306.9 Sol

Wool.

22526 CLAESSENS, J. Ghent; Belgium cotton trade require and demand but one thing. The return to free trade. Cotton Trade J., Internat. Ed. (1945/46) 14: 40. 72.8 C82141

22527 COOPER, M. R., and PORTER, H. G. The world cotton textile outlook. Cotton Trade J., Internat. Ed. (1945/46) 14: 24-25, 118-119. 72.8 C82141

22528 CROOK, A. Buying and selling--immediate and future problems. Textile Mfr. 72(854): 62-64. Feb. 1946. 304.8 T3126

Includes marketing of the raw cotton.

22529 CULPEPPER, F. S. "Fibro" facts for cotton users. Amer. Wool and Cotton Rptr. 60(8): 9-10, 42-43. Feb. 21, 1946. 304.8 W88

Also in Textile B. 70(1): 13-14, 16. Mar. 1, 1946. 304.8 So82

Rayon staple length.

- 22530 DALL, W. B. Changing tempo in textiles. Textile World 96(2): 101-104. Feb. 1946. 304.8 T315  
Discusses consumption of fibers by the industry.
- 22531 DIXON, R. L. General cotton situation in America. Cotton Trade J., Internatl. Ed. (1945/46) 14: 22-23. 72.8 C82141
- 22532 DRIVER, R. B. The São Paulo cotton market. Cotton Trade J., Internatl. Ed. (1945/46) 14: 100-101. 72.8 C82141
- 22533 DUEST, J. Cotton yarn and thread strength. Cotton 110(2): 105-106. Feb. 1946. 304.8 C823  
Yarn testing.
- 22534 EUSTIS, W. Gminde A. G. (cottonized flax project) (flockenbast) at Reutlingen. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2458, 2 p., processed. Washington, 1945. 157.8 R29
- 22535 EYRE, N. Testing of yarns and fabrics-II. Methods for quantitative and chemical analysis of fibre mixtures in yarns or fabrics. Determination of moisture content in textiles. Textile Mfr. 72(854): 68-70. Feb. 1946. 304.8 T3126
- 22536 FALES, W. D., and FRANCE, A. W. Textile education at the Stall. und Versuchsanstalt für Textilindustrie Wien (Vienna) Austria. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3891, 15 p., processed. Washington, 1945. 157.8 R29
- 22537 FARGHALY, M. Egyptian cotton situation. Cotton Trade J., Internatl. Ed. (1945/46) 14: 98-99. 72.8 C82141
- 22538 FAWCETT, C. J. The wool market. Colo. Wool Grower and Marketer 11(12): 4. Feb. 1946. 280.38 C71
- 22539 FOSTER, G. A. R., and MARTINDALE, J. G. The form and length of the drafting wave in cotton rovings. Textile Inst. J. 37: T1-T12. Jan. 1946. 73.9 T31
- 22540 FOURT, L., HOLGATE, B. A., and SCHOFFSTALL, C. W. Textile research of Vereinigte Glanzstoff at Wuppertal-Elberfeld. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3877, 3 p., processed. Washington, 1945. 157.8 R29  
Includes fiber research.
- 22541 GENERAL survey of the German rayon and staple fiber industry. Rayon Textile Monthly 27: 70-72. Feb. 1946. 304.8 R21
- 22542 GOLDTHWAIT, C. F., MCLAREN, J., and VOORHIES, S. T., Jr. Acetylated cotton highly resistant to rotting. Textile World 96(2): 115-117, 212, 216. Feb. 1946. 304.8 T315
- 22543 GWALTNEY, E. C. The cotton spinning process and its adaptability to the spinning of other fibres. Textile Rec. 63(755): 41-42. (Cont.) Feb. 1946. 304.8 T311
- 22544 HALL, A. J. Recent textile developments in Britain. Amer. Dyestuff Rptr. 34: 494-496. Dec. 3, 1945. 306.8 Am3  
Includes protein and other synthetic fibers.
- 22545 HARRIS, M. The future of industrial textile research. Amer. Dyestuff Rptr. 35: P103-P105. Feb. 25, 1946. 306.8 Am3  
Includes fiber research.
- 22546 HEUER, L. A. Fabric forecast. J. Home Econ. 38: 74-78. Feb. 1946. 321.8 J82  
Includes uses of fibers.
- 22547 HOOPER, J. A. The wool market situation. Utah Farmer 65(14): 6. Mar. 10, 1946. 6 D45
- 22548 HUDDLE, F. F. Plight of cotton. Ed. Res. Rpts., v. 11, No. 10, p. 175-191. Sept. 10, 1945. 280 Ed42
- 22549 INSTITUTO AGRARIO ARGENTINO. El algodón. Inst. Agr. Argentino. Reseñas, v. 5, No. 36, 69 p. Buenos Aires, 1945. 281.9 B862  
Contents: Algunos aspectos económicos de la producción algodonería argentina, by R. García Mata, p. 17-22; La producción de semilla de algodón para siembra en la República Argentina, by A. Banfi, p. 23-27; Importancia de la defoliación como auxiliar de la cosecha del algodón, by J. R. Lorenzo, p. 29-32; La química al servicio del algodón, by J. Abitbol, p. 33-36. (Soil chemistry); Factores que determinan la calidad de la fibra del algodón argentino, by J. W. de Almeida, p. 37-40; El Chaco y el cultivo del algodón, by C. H. Carbajal, p. 41-45; La intervención del Estado en la comercialización del algodón, by J. J. Aguirrebarrena, p. 47-50; La demanda existente para el algodón argentino, by J. Freire, p. 51-55; Protección oficial de los productores algodonería, by N. Estrín, p. 57-60; La defensa sanitaria de la producción algodonería argentina, by H. Muñoz Pinochet, p. 61-63 (Provision of insecticides); Variedades de algodonería obtenidas en el país a difundirse próximamente entre los agricultores, by U. C. García, p. 65-69.
- 22550 JOHNSTON, O. President's address. Natl. Cotton Council Amer. Prog. B., No. 68, p. 2-3, 7. Feb. 15, 1946. 281.3729 N212P  
Problems of the cotton industry.
- 22551 JONES, C. S. Alginates. Fibres, Fabrics & Cordage 13: 62, 64-65. Feb. 1946. 304.8 Ir42
- 22552 KOELSON, L. W. American designers believe in man-made fibres. Silk & Rayon 20: 184, 187. Feb. 1946. 304.8 S132
- 22553 KRAUSEN, R. S. Report on German rayon and synthetic fibre production. Silk J. and Rayon World 21(261): 28-30, 36. Feb. 1946. 304.8 S13
- 22554 LANG, W. R. Modern textile education in Australia. Past. Rev. 56(1): 32-33. Jan. 16, 1946. 23 Au75  
Chiefly on wool.
- 22555 LOZA, G. Organizatsiia truda na polevykh rabotakh [Organization of labor in field work]. Pt. 6. Uboraka khlopka. Transportnye raboty [Harvesting of cotton. Transport work]. Kolkhoz. Proizvod. 5(8/9): 18-19. Aug./Sept. 1945. 281.8 K83
- 22556 MACFALL, F. M. Future of ramie fiber is reviewed by expert. Cotton Trade J. 26(9, 1. e. 8): 3. Feb. 23, 1946. 72.8 C8214
- 22557 MCGEOY, F. R. Deltans envision bright future for farm development; more production and better varieties of cotton is Delta Council's program. Cotton Trade J. 26(11): 3. Mar. 9, 1946. 72.8 C8214
- 22558 MCGUIRK, E. J. Cotton carried load in making New Orleans great port; first association formed in 1912 to add new strength to shipper. Cotton Trade J. 26(7, 1. e. 6) Sect. 2: 16. Feb. 8, 1946. 72.8 C8214
- 22559 MCMILLEN, W. Ramie, a new marvel crop. Farm J. 70(3): 25. Mar. 1946. 6 F2212
- 22560 MEHTA, S. R. Indian raw cotton during the war and after. Cotton Trade J., Internatl. Ed. (1945/46) 14: 71-74. 72.8 C82141
- 22561 MEHTA, L. R. The Indian cotton textile industry: its prospects. Indian Textile J. 56(663): 222-226. Dec. 1945. 304.8 In2
- 22562 MITCHELL, H. Fungicides in war and peace. Textile Colorist and Converter 68(2): 14-15, 54. (To be cont.) Feb. 1946. 306.8 T31  
Use of fungicides on textiles.
- 22563 NICHOLS, S. R. Cotton warehouse services increase, charges reduced. Cotton Trade J., Internatl. Ed. (1945/46) 14: 145. 72.8 C82141



- 22564 OLIVER, J. G. Rayon trade. Chamber Com. [London, J. 77: 64. Feb. 1946. 286.8 C35  
Situation in the industry.
- 22565 O'MAHONEY, J. C. Wool in Washington. Natl. Wool Grower 36(2): 12-13, 41-43, 50. Feb. 1946. 45.8 N21N  
The wool situation.
- 22566 OMOHUNDRO, E. H. Consumption subsidies and new uses programs for cotton. Cotton Trade J., Internatl. Ed. (1945/46) 14: 106-107, 110-111. 72.8 C82141
- 22567 OUR COTTON supplies; the case for the futures market. By a Cotton Spinner. Textile Mercury and Argus 114: 264B-265. Feb. 22, 1946. 304.8 T318  
Position of the Liverpool Cotton Association and Manchester Cotton Association in cotton marketing.
- 22568 PAULSON, W. E. Volume--key to cotton gin efficiency. News Farmer Coop. 12(12): 18-19. Mar. 1946. 166.2 N47  
Cooperative cotton ginning.
- 22569 PRESTON, J. M. Molecular orientation of fibers. (Sum.). Chem. & Indus., No. 6, p. 65-66. Feb. 9, 1946. 382 M31C
- 22570 RAYON'S progress; a review of the developments in the manufacture of rayon during 1945. By A Special Correspondent. Silk J. and Rayon World 21 (261): 38, 40. Feb. 1946. 304.8 S13  
Principally properties of the various types.
- 22571 REYNOLDS, E. D. Cotton growing in the Empire. Textile Mercury and Argus 114: 247. Feb. 22, 1946. 304.8 T318
- 22572 SCHOCH, N. H. An analysis of the Angora wool market. Small Stock Mag. 30(3): 32A. Mar. 1946. 48.8 P442
- 22573 SCHWARTZ, H. J. Merchants strive to retain title of trade center for products of cotton. Cotton Trade J. 26(7, i. e. 6) Sect. 2: 36. Feb. 8, 1946. 72.8 C8214
- 22574 SHEIKH, A. M. In the last sixty years. Indian Textile J. 56(663): 245-246, 252. Dec. 1945. 304.8 In2  
Indian textile industry.
- 22575 SHROFF, H. B. The textile industry in U. P.; development in the inter-war period. Indian Textile J. 56(633): 229-231. Dec. 1945. 304.8 In2  
Includes statistics of cotton yarn production.
- 22576 SLATER, F. P. Views on cotton spinning. Textile Inst. J. 37: P1-P8. Jan. 1946. 73.9 T31
- 22577 SLOAN, G. A. "The oncoming challenge to cotton." Natl. Cotton Council Amer. Prog. B., No. 68, p. 4-5, 7. Feb. 15, 1946. 281.3729 N212P
- 22578 SMITH, H. D. Acetate rayon. Amer. Dye-stuff Rptr. 35: P71-P72. Feb. 11, 1946. 306.8 Am3
- 22579 SMITH, J. F. Documents relating to textile research Meliland Textilberichte Heidelberg. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3876, 2 p., processed. Washington, 1945. 157.8 R29
- 22580 SMITH, J. F. Hollow fiber, cellulose production, and Stoll abrasion tester Stolldeutsche Zellwolle A. G., Kelheim Plant, Kelheim. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3890, 7 p., processed. Washington, 1945. 157.8 R29
- 22581 SMITH, J. F. Scandinavian textile research and education. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3888, 9 p., processed. Washington, 1945. 157.8 R29
- 22582 SMITH, L. H., and others. Manufacture of continuous filament yarn and duraflox staple at V. Glanzstoff Fabrik, Oberbruch, Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1631, 5 p., processed. Washington, 1945. 157.8 R29  
G. P. Hoff, J. J. Schilthuis, and J. B. Quig, joint authors.
- 22583 SMITH, L. H., SCHILTHUIS, J. J., and WICKER, D. B. Viscose preparation for staple fibre at Zellwolle Lensing A.G. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1114, 6 p., processed. Washington, 1945. 157.8 R29
- 22584 SPEAKMAN, J. B. Some relationships between the constitution, properties and uses of wool. Textile Rec. 63(755): 49-52. (Concl.) Feb. 1946. Ref. 304.8 T311
- 22585 STEIN, R., HALSEY, G., and EYRING, H. Mechanical properties of textiles, IV. Textile Res. J. 16: 53-60. Feb. 1946. 304.8 T293  
Fiber testing.
- 22586 STRAUGHN, W. D. R. The future of rayon in tires. Canad. Textile J. 63(5): 41-43. Mar. 8, 1946. 304.8 C16
- 22587 STRONG, J. H. Ring spinning on bare spindle. Textile Mercury and Argus 114: 268-269, 280. (To be cont.) Feb. 22, 1946. 304.8 T318  
Cotton.
- 22588 SUMNER, R. E. Expanding market for wool. Sheep and Goat Raiser 26(6): 9, 37. Mar. 1946. 45.8 Sh3
- 22589 TATTERSALL, F. W. Cotton industry. Chamber Com. [London, J. 77: 63. Feb. 1946. 286.8 C35  
Review of the Lancashire industry for 1945.
- 22590 TEUTON, F. L. Better tires from cotton. Mfrs. Rec. 115(2): 48-49, 58. Feb. 1946. 297.8 M31
- 22591 TIPTON, E. Annual session of National Cotton Council cites need for cotton research. Acco Press 24(2): 9-10. Feb. 1946. 6 Ac2
- 22592 VERNOV, S. Training courses for Russian flax growers. Linen Trade C. 31(3711): 14. Dec. 22, 1945. 304.8 L64
- 22593 WAKEHAM, H., HONOLD, E., and PORTAS, H. J. Moisture relations of tire cords in tires. India Rubber World 113: 659-662, 721. Feb. 1946. 305.8 In2
- 22594 WARD, A. L. Why more cotton in 1946? Acco Press 24(2): 11-12. Feb. 1946. 6 Ac2
- 22595 WARD, K., JR. Fiber photomicrographs at I. G. Farbenindustrie Höchst, Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3471, 2 p., processed. Washington, 1945. 157.8 R29
- 22596 WHITTAKER, E. G. China possibilities unlimited - future uncertain. Cotton Trade J., Internatl. Ed. (1945/46) 14: 64-66. 72.8 C82141  
Cotton situation and outlook.
- 22597 WICKER, D. B., and others. Continuous process for spinning viscose yarn at Zellwolle Lenzing Aktiengesellschaft Lenzing, Oberdonau, Austria. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1113, 5 p., processed. Washington, 1945. 157.8 R29  
L. H. Smith, J. J. Schilthuis, and J. B. Quig, joint authors.
- 22598 WILLIAMS, S., and TOWERY, J. D. A study of cotton blending. Textile Res. J. 16: 61-73. Feb. 1946. 304.8 T293
- 22599 WINDEL, D. Somber aspects cloud Liverpool cotton market. Cotton Trade J., Internatl. Ed. (1945/46) 14: 34, 112. 72.8 C82141

## FRUITS, VEGETABLES, AND NUTS

- 22600 AUSTRALIA To-day, 1946, 110 p. Melbourne, 1945. 280.8 Au72  
Partial contents: The vine and its product, wine an important industry - the story of its development, compiled from writings of C. S. Panton, H. E. Laffer, and F. de Castella, p. 65, 67, 69, 71; Australian dried vine fruits industry, by H. D. Howie, p. 85.
- 22601 BELL, E. W. The 1946 vegetable outlook. New England Homestead 119(5): 18. Mar. 9, 1946. 6 N442



- 22602 BRITISH COLUMBIA FRUIT GROWERS' ASSOCIATION. Resolutions action by the 1946 B.C.F.G.A. convention. Country Life [British Columbia] 29, i. e. 30(12, i. e. 2): 5, 8, 17-21. Feb. 1946. 7 C832
- 22603 CHASE, F. J. Potato outlook--1946. Nebr. Agr. Col. Ext. News 34(8): 2. Feb. 1946. 275.29 N27Ae
- 22604 CHUESS, W. V. New fruit products. Pacific Rural Press, North. Ed. 151: 187. Mar. 2, 1946. 6 P112A
- 22605 FENN, L. The vegetable program for 1946. Canning Trade 68(31): 10-11. Feb. 25, 1946. 286.83 T67
- 22606 FINDLEN, P. J. Meeting consumer demand for potatoes. Market Growers J. 75(3): 12, 34. Mar. 1946. 6 M34
- 22607 FEID, J. L. How many oranges and grapefruit are too many? Citrus Indus. 27(2): 5-7, 22. Feb. 1946. 80 C49
- 22608 JIMENEZ, M. A., and ZORRILLA, M. Estudios de laboratorio sobre guayaba. Cuba. Min. de Agr. Almanaque (1946) 2: 81-86. 8 C896
- 22609 KIEL, G. R. Gigantic Everglades starch plant completed. Fla. Grower 54(3): 5, 12-13. Mar. 1946. 80 F6622
- For sweet potato starch.
- 22610 KIRCHER, W. H. Minnesota grows good potatoes but where are they? Ask housewives at potato clinic. Farmer 64(4): 6. Feb. 16, 1946. 6 F221
- 22611 MCCOWN, M. The fruit program for 1946. Canning Trade 68(31): 11-12. Feb. 25, 1946. 286.83 T67
- 22612 MICHIGAN, DEPT. OF AGRICULTURE. Summary of Michigan field and fruit crop production in 1945. Mich. Dept. Agr. Crop Rpt. Mich., Dec. 1945, p. 1-3. 252.41 S62C
- 22613 MILLER, C. R. Is our organization competent? Mountaineer Grower 16(160): 28-29, 31-33, 35. Feb. 1946. 80 M86
- The apple industry.
- 22614 OVERHOLSER, E. L. "East is East and West is West." Mountaineer Grower 16(160): 21, 23-25, 27-28. Feb. 1946. 80 M86
- Apple situation.
- 22615 PEIG FELLIU, A. Esencias de la corteza del fruto de los agrinos. Su origen, extracción, composición y análisis físico-químico. Spain. Inst. Nac. de Invest. Agron. B. 13, p. 97-239. Dec. 1945. Ref. 105.6 Spl4
- 22616 ROKACH, I. Palestine citrus prospects. Palestine and Middle East 18(1): 11-12. Jan. 1946. 286.8 P172
- 22617 S., W. N. Y. growers oppose Brewster potato plan. Rural New-Yorker 105: 239. Mar. 16, 1946. 6 R88
- 22618 SCHREIBER, W. R. Tagua [nuts]. Agr. in the Americas 6: 51-53, 58. Mar. 1946. 1 F752
- 22619 SCHREIBER, W. R. World's raisin production. Calif. Fruit News 113(3006): 5, 11: (3007): 3-5, 11. Feb. 16, 23, 1946. 80 C12
- 22620 SHEAR, S. W. Fifty years of California fruit production and utilization. Blue Anchor 23(1): 13, 26-28. Feb. 1946. 286.83 B62
- 22621 SHEFFINGTON, L. E. New York potato growers discuss Brewster bill. Amer. Agr. 143: 112. Mar. 2, 1946. 6 Am3
- 22622 SNYDER, J. C. Grape production in Washington on paying basis. Better Fruit 40(8): 22, 27, 34-38. Feb. 1946. 80 B46
- 22623 SOUZA, A. H. DE. A laranja e a pectina. Brazil. Min. da Agr. B. 34(2): 1-50. Feb. 1945. Ref. 9.2 Ag83
- Includes diseases and pests and chemical composition of the orange.
- 22624 TAYLOR, P. R. Program of the Fruit and Vegetable Department of American Farm Bureau Federation. Nation's Agr. 21(2): 4, 10-11. Feb. 1946. 280.82 B89
- 22625 WHAT hope for more chestnut extract? Hide and Leather and Shoes 111(11): 22, 24, 26, 28. Mar. 9, 1946. 303.8 H53
- 22626 WHITNEY, D. J. Walnut men study industry problems. Calif. Cult. 93: 182-183. Mar. 16, 1946. 6 C12
- 22627 WORK, P. Will vegetables win or lose in 1947? Amer. Agr. 143: 109, 125. Mar. 2, 1946. 6 Am3
- Analysis and Composition
- 22628 BATEN, W. D. Organoleptic tests pertaining to apples and pears. Food Res. 11(1): 84-94. Jan./Feb. 1946. 389.8 F7322
- 22629 BEJAMBES, M., and TAVERNIER, J. Sur la teneur en calcium des moûts de pommes à cidre. Assoc. des Chim. B. 62: 135-139. Apr./June 1945. 383 As7
- 22630 HILBERT, G. E., and MACMASTERS, M. M. Pea starch, a starch of high amylose content. J. Biol. Chem. 162: 229-238. Feb. 1946. 381 J824
- 22631 TALON, R. Détermination de la teneur en eau des gelées, pâtes de fruits et confitures. Assoc. des Chim. B. 62: 149-158. Apr./June 1945. 383 As7
- Distribution, Marketing, and Transportation
- 22632 ARMSTRONG, P. S. Cooperation at work. Calif. Citrog. 31: 168-169. Mar. 1946. 80 C125
- Citrus marketing problems of California Fruit Growers Exchange.
- 22633 BLOUNT, J. P. Air freight for fresh vegetables. Market Growers J. 75(3): 21, 43. Mar. 1946. 6 M34
- 22634 CALIFORNIA FRUIT EXCHANGE. Annual meeting and report of the California Fruit Exchange. Blue Anchor 23(1): 5-9, 31-34, 36-38. Feb. 1946. 286.83 B62
- Chiefly the text of the 1945 annual report.
- 22635 HARDY, J. First to market with radish. Poultry Farmer [London] 114(2955): 4. Feb. 8, 1946. 47.8 F312
- 22636 HECKMAN, J. H. Some facts concerning the operations of the California Fruit Exchange and opinions of its members concerning these operations. Blue Anchor 23(1): 10-12, 17-18. Feb. 1946. 286.83 B62
- 22637 HOWARD, R. R. Fruit and Vegetable Assn. convention considers distribution problems. Distrib. Age 45(2): 64. Feb. 1946. 288.8 T68
- United Fresh Fruit and Vegetable Association.
- 22638 IZAKSON, Z. Cooperation in the citrus industry. Palestine Tribune 1(41): 14-15. Nov. 8, 1945. 280.8 P172
- 22639 O'CONNELL, B. G. The Committee of Direction of Fruit Marketing, Queensland. N. S. Wales. Dept. Agr. Div. Mktg. and Agr. Econ. Rev. Mktg. and Agr. Econ. 14(1): 18-21. Jan. 1946. 286.8 M47M
- 22640 SCHOOS, C. Imperial Valley moves 7,500 cars lettuce. Calif. Fruit and Veg. Rev. 6(12): 34, 57. Mar. 1946. 80 C1224
- 22641 URAMN, M. L. Cooperative vs. independent selling. Cranberry Coop. News 7(2): 2-3. Feb. 1946. 280.2939 C850
- 22642 WELLMAN, H. R., and MEHREN, G. L. Some considerations of research in marketing horticultural products. J. Farm Econ. 28: 170-181. Feb. 1946. 280.8 J822
- Fruits and vegetables.
- 22643 WINGO, T. R. Cooperative marketing of strawberries in Gibson County of Tennessee. Mid-South Cotton News 23(15): 6. Feb. 1946. 72.8 C829F
- Grading, Inspection, Standardization, and Quality
- 22644 CHANDLER, A. L. Better fruit quality program..factors influencing grade are outlined at San Bernardino Citrus Institute. Citrus Leaves 26(3): 5, 37. Mar. 1946. 80 C492



22645 CROSBY, J. Size regulation for oranges. Calif. Cult. 93: 133, 161. Mar. 2, 1946. 6 C12

22646 FERMUS, G. E. Certifying seed potatoes the Colorado way. Furrow, Port. [Ed.] 51: 4, 12. Jan./Feb. 1946. 6 F98F

#### Packing and Packaging

22647 BAUER, R. E. Analyzing the problems of prepackaging perishables. Food Indus. 18: 360-361, 462, 464, 466. Mar. 1946. 389.8 F737  
Fruits and vegetables.

22648 CULP, E. Transparent fruit covering agreed by Niagara growers at convention. Canad. Hort. & Home Mag. 69: 35-36. Feb. 1946. 80 C16

22649 GRAINGER, A. R. Packing shed efficiency; orchardists and staff supervision. New Zeal. J. Agr. 72(1): 49-50. Jan. 15, 1946. 23 N485

22650 MERRILL, T. A. Compartments for peaches; cell-type box permits marketing of tree-ripened fruits. Mod. Packaging 19(6): 128-130. Feb. 1946. 309.8 M72

Also appears, with slightly different title, in East. Fruit Grower 8(12): 16-17, 20-21. Feb. 1946. 80 Ea73

22651 ROBINSON, R. A. For market growers; approved packing methods for roots [crops]. Small-holder 74(1872): 7. Feb. 1, 1946. 10 Sml

#### Prices, Price Control, and Rationing

22652 LINDSAY, J. Sydney wholesale fruit and vegetable prices. Econ. Rec. 21: 174-181. Dec. 1945. 280.8 Ec74

22653 PHELPS, E. F., JR. OPA's program for the 1946 pack of processed fruits and vegetables. Amer. Groc. 155(7): 49-54. Feb. 13, 1946. 286.83 Am32  
Also in Canning Trade 68(31): 52-54. Feb. 25, 1946. 286.83 T67

#### Processing and Storage

22654 ANDERSON, C. P. Address. Amer. Groc. 155(7): 43-49. Feb. 13, 1946. 286.83 Am32  
Outlook for fruit and vegetable processors.

22655 AUSTRALIA. COMMONWEALTH DRIED FRUITS CONTROL BOARD. Annual report, 21st, 1944/45, 13 p. Canberra, 1945. 280.39 Au7

22656 DELECLUSE, R. Le séchage des figues à la ferme. Terre Maroc. 15(188): 11-12. July 1945. 24 T44

22657 DIEHL, H. C. Need of technological supervision in the food industry; with special reference to the selection, preparation and freezing of fruits and vegetables. Part II. Refrig. Eng. 51: 223-226, 253-254. Mar. 1946. Ref. 295.9 Am32J  
Discussion, p. 268, 270, 272, 274.

22658 DOTY, D. M., and others. Effect of dehydration and storage on chemical composition and cooking quality of carrots. Inst. Food Technol. Proc. 1945: 29-34. 389.9 In7

E. P. Zscheile, R. H. Harper, W. R. Lewis, G. R. Foster, I. Canan, and G. Redfield, joint authors.

22659 FÉCULERIE COOPÉRATIVE AGRICOLE DE VIC-SUR-AISNE. Contrôle du pH en féculerie de pommes de terre. Assoc. des Chim. B. 62: 146-148. Apr./June 1945. 383 As7

22660 FERN, L. S. U. S. processed vegetable program presented. Food Packer 27(3): 56. Feb. 15, 1946. 286.83 C165

22661 FERGUSON, P. P. Mixed frozen fruit promising product. Quick Frozen Foods 8(7): 20. Feb. 1946. 389.8 Q4

22662 HAUCK, C. W. Outlook bright for frozen fruits and vegetables. Ohio Farmer 197(6): 18. Mar. 16, 1946. 6 Oh3

22663 HOHL, L., and SWANBURG, J. Freezing of California fruits - apricots. Food Packer 27(4): 37-38, 68, 70, 72. Mar. 1946. 286.83 C165

22664 KENNEY, C. H. What's in store for the jam manufacturer? Canad. Food Packer 17(3): 23, 25. Mar. 1946. 286.83 C166

22665 KERTESZ, Z. I. Spinach freezing in liquid nitrous oxide. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2039, p. 59-60. Washington, 1945? 157.8 R29

Appendix to accompany FIAT Final Report No. 212 (Pub. Bd. 1269): Quick Freezing of Foods in Liquid Nitrous Oxide, by G. MacKinney.

22666 MARSHALL, R. M. Recent advances in the processing of apples. Rural New-Yorker 105: 199. Mar. 2, 1946. 6 R88

22667 MOORE, E. L., and others. The concentrating and drying of citrus juices. Inst. Food Technol. Proc. 1945: 160-168. 389.9 In7  
C. D. Atkins, E. Wiederhold, and L. G. MacDowell, joint authors.

22668 MOYER, J. C. Blanching by electronics involves new principles. Food Packer 27(2): 35-36. Feb. 1946. 286.83 C165  
Fruit and vegetables.

22669 ORANGE juice frozen in cellophane bags. Mod. Packaging 19(6): 136-137. Feb. 1946. 309.8 M72

22670 ORTON, E. C. The science of dipping and processing of dried fruits; explained. Austral. Dried Fruits News 21(9): 1-3. Jan. 1946. 286.83 Au72

22671 PARKER, P. Putting the heat on prunes. News Farmer Coop. 12(12): 3, 17. Mar. 1946. 166.2 N47

Cooperative dehydration.

22672 PAVCEK, P. L. Report on Fritz Kaiser, A. G. Waiblingen. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3440, 2 p., processed. Washington, 1945. 157.8 R29

Manufacturers of apple pectin.

22673 PAVCEK, P. L. Report on Maggi, G. m. b. H., Singen. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4312, 6 p., processed. Washington, 1945. 157.8 R29  
Vegetable and soup dehydration plant.

22674 PERRY, R. L. Report on Th. Lampe Konservfabrik Eulen Str. Braunschweig. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4311, 3 p., processed. Washington, 1945. 157.8 R29  
Vegetable dehydration.

22675 REED, H. M. Investigations on the freezing storage of figs. Quick Frozen Foods 8(7): 84-85. Feb. 1946. 389.8 Q4

22676 SAWYER, G. New walnut plant. Pacific Rural Press, North. Ed. 151: 188. Mar. 2, 1946. 6 P112A

At Modesto, Calif.

22677 SCHREIBER, W. R. World dried peach production increases; larger exports to European markets from Argentine expected as trade is resumed. Sun-sweet Standard 39(9): 6-8. Feb. 1946. 286.83 Su7

22678 STAHL, A. L. Tests prove best methods of citrus heart freezing. Quick Frozen Foods 8(7): 94. (Concl.) Feb. 1946. 389.8 Q4

22679 STOUT, C. J. Frozen fruit cocktail. South. Canner & Packer 7(2): 17, 36. Feb. 15, 1946. 389.9 So82

22680 WALLACE, L. H. We can. Pract. Home Econ. 24: 156, 188. Mar. 1946. 321.8 H752  
Fruits and vegetables.

22681 WOODMANSEE, C. W., and others. How sugars affect dispersibility of pectins in gel powders. Food Indus. 18: 356-357. Mar. 1946. 389.8 F737  
G. L. Baker, V. E. Pollari, and W. G. Murray, joint authors.

Sucrose and dextrose in gel powders.

22682 WOODROOF, J. G. New method of freezing grapes. Ice Cream Field 47(2): 69, 72. Feb. 1946. 389.8 Ic23



Statistics

- 22683 ACOSTA V., L., and VARGAS ORTIZ, A. Monografías comerciales: chabacano; producción nacional. Mex. Dir. de Econ. Rural. B. Mens., No. 237, p. 50-62. Feb. 1946. 254.5 Ag83 Statistical.

GRAIN AND GRAIN PRODUCTS

- 22684 ACHESON, D., HUTSON, J. B., and STILLWELL, J. A. The wheat crisis in Europe [a discussion]. U. S. Dept. State B. 14: 191-196, 197. Feb. 10, 1946. 150 B87
- 22685 ADAIR, W. Changing phases in world wheat. Farming News and North Brit. Agr. 98(3): 3. Jan. 11, 1946. 10 N82
- 22686 AMERICAN SOCIETY OF BREWING CHEMISTS. SUBCOMMITTEE ON BARLEY ANALYSIS. Report on barley analysis. Amer. Brewer 79(2): 90. Feb. 1946. 390.8 Am3
- Malting tests.
- 22687 ANDREWS, J. Experiences with fat deterioration in cereals and cereal products. U. S. Dept. Com. Off. Pub. Bd. Rpt..2568, p. 130-132. 1945. 157.8 R29
- 22688 BALIASNYI, V. Bystree vosstanovit' dovoennyi uroven' proizvodstva pshenitsy v sovkhodzakh [Swift restoration of the pre-war level of wheat production on the state farms]. Sovkhoz. Proizvod. 5 (8/9): 10-19. Aug./Sept. 1945. 20 So85
- 22689 BARCLAY, C. D. Dust control. Amer. Miller and Processor 74(1): 152-153, 196. Jan. 1946. 280.8 Am32
- 22690 BEAVEN, J. C. Problems that plague the milling industry. Northwest. Miller (Milling Prod. Sect.) 225(11): 5a-6a. Mar. 12, 1946. 298.8 N81
- 22691 BEAVEN, J. C. What is ahead for the milling industry. Mod. Miller 73(7): 16, 19. Feb. 16, 1946. 298.8 M72
- 22692 BECCARD, E. Über die begriffe "wasseraufnahmefähigkeit" und "teiggaubente." Mehl und Brot 45: 21. Mar. 16, 1945. 389.8 M47
- In flour.
- 22693 BOUSKILL, R. W. Eighty percent extraction flour "the miller's headache." Assoc. Oper. Millers. B., Mar. 1946, p. 1498. 298.9 As7
- 22694 BRIGGS, G. M. Cleaner seed grains. Wis. Agr. and Farmer 73, i. e. 71(5): 36. Mar. 2, 1946. 6 W751
- 22695 CAMPS FAJARDO, H. El concurso de producción de maíz organizado por la ancap. Cám. Merc. de Prod. del País, Montevideo. Rev. Semanal 52(2): 5-6. Jan. 11, 1946. 287 Ur82
- 22696 CARDINAL, P. J. 80% flour and bread enrichment. Mod. Miller 73(11): 18. Mar. 16, 1946. 298.8 M72
- 22697 CHEEK, H. Chemurgic utilization of cereal and other carbohydrate crops. Pacific Northwest Indus. 5(5): 79-80. Feb. 1946. 280.8 N812
- 22698 CLARK, R. J. The eighty percent flour. Mod. Miller 73(11): 15. Mar. 16, 1946. 298.8 M72
- 22699 CORY-WRIGHT, A. The season's barley including discussion. Inst. Brewing J. 52: 27-29. Jan./Feb. 1946. 390.9 In7
- 22700 CUNNINGHAM, L. C. The production of corn for grain in New York State. N. Y. Agr. Col. (Cornell) A. E. 541, 4 p., processed. Ithaca, 1945. 281.9 C81
- Library has also revised edition, 4 p., processed. 1945.
- 22701 CURTIS, J. J., and EARLE, F. R. Analyses of double-cross hybrid corn varieties produced on farms. Cereal Chem. 23: 88-96. Jan. 1946. Ref. 59.8 C33
- 22702 EFFERSON, J. N. Rice prospects for 1946. La. Rural Econ. 8(1): 3, 7-8. Feb. 1946. 281.8 L93
- 22703 FULLER, P. An examination of the 1944 Southern Rhodesian wheat crop. Rhodesia Agr. J. 42: 459-466. Sept./Oct. 1945. 24 R34
- Analysis and composition.
- 22704 GARNER, H. V. The production of malting barley. Gt. Brit. Min. Agr. Agriculture 52: 483-486. Feb. 1946. 10 G79J
- 22705 GLABAU, C. A. Baking characteristics of the 80% extraction flour. Bakers' Weekly 129(9): 48-50; (10): 52-54, 60; (11): 56-59. Mar. 4, 11, 18, 1946. 389.8 H172
- 22706 GUILLEMET, R., and COLINEAU, A. Comparaison de la composition en acides aminés du gluten et de l'assise protéique du grain de blé. Soc. de Chim. Biol. B. 27: 225-230. Apr./June 1945. 383 Sol
- 22707 GUILLEMET, R., and GUILBOT, A. Séparation de l'assise protéique du grain de blé par une technique chimique; composants des parois des cellules. Soc. de Chim. Biol. B. 27: 49-55. Jan./Mar. 1945. 383 Sol
- 22708 HEFFELFINGER, F. P. National economy demands maximum productivity for continued prosperity. Feed Bag 22(2): 15, 95-96. Feb. 1946. 389.78 F32
- Government grain policy.
- 22709 HEPP, R. El arroz, su importancia y su futuro. Unión Agr. del Sur 3(20): 26-27. Nov. 1945. 3.3 Un3
- 22710 HIGGINS, F. H. Political "war" and driest January up rice plans. Rice J. 49(2): 8, 10. Feb. 1946. 59.8 R36
- 22711 HILBERT, G. E. Report on Mühlenchemie. G. m. b. H., Frankfurt. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3421, 1 p., processed. Washington, 1945. 157.8 R29
- Milling industry.
- 22712 HLYNKA, K. Grain research laboratories develop many new uses for Canadian wheat. Canad. Grain J. 1(7): 13. Feb. 1946. 59.8 C16
- 22713 HOFFER, A., and ALCOCK, A. W. A rapid method for the determination of bromate in bromated flours. Cereal Chem. 23: 66-76. Jan. 1946. Ref. 59.8 C33
- 22714 HOFFMAN, H. J. The Food and Drug Acts as pertaining to flour mill infestation and sanitation. Assoc. Oper. Millers. B., Mar. 1946, p. 1498-1500. 298.9 As7
- Minnesota Dairy and Food Law.
- 22715 HOWE, M. Further studies on the mechanism of the action of oxidation and reduction on flour. Cereal Chem. 23: 84-88. Jan. 1946. Ref. 59.8 C33
- 22716 INNES, R. The millers' case (and not before time). Miller 72: 163-164. Mar. 4, 1946. 298.8 M61
- Great Britain.
- 22717 KIK, M. C. Deterioration of rice in storage. Rice J. 49(2): 4, 6-7, 24-28. Feb. 1946. 59.8 R36
- 22718 KING, F. A. The mill at Milton in Essex. Miller 72: 103-104. Feb. 4, 1946. 298.8 M61
- 22719 LEMBECKE, H. Neuzeitliche wege zur bekämpfung der schimmelbildung beim brot. Mehl und Brot 45: 17. Mar. 2, 1945. 389.8 M47
- 22720 LOCKWOOD, J. F. Milling to 80% extraction. Northwest. Miller (Milling Prod. Sect.) 225(11): 3a, 6a. Mar. 12, 1946. 298.8 N81
- 22721 MCCALLA, A. G., and GRALÉN, N. Sedimentation and diffusion measurements on gluteins from wheats of widely differing quality. Canad. J. Res. Sect. C. Bot. Sci. 23: 219-225. Dec. 1945. Ref. 470 C16C
- 22722 MARTINSON, Q. H. Grain movement on the Great Lakes waterways. Feedstuffs 18(10): 43, 44. Mar. 9, 1946. 286.81 F322
- 22723 MATTALON, R. L'industrie rizicole & ses produits; les sous-produits. Egypte Agr. 43: 199-206. (Cont.) Nov./Dec. 1945. 24 Un32



- 22724 MICKUS, R. R. Evaluating recent rice processing developments. Amer. Miller and Processor 74(1): 92-96, 98-100, 102, 107. Jan. 1946. 280.8 Am32
- 22725 MILLER, E. S. Efficiency in grain handling. Amer. Miller and Processor 74(1): 114, 116-117, 120, 128. Jan. 1946. 280.8 Am32
- 22726 MOCINE, D. O. Cía Harinera Antioqueña. Amer. Miller and Processor 74(1): 78-79. Jan. 1946. 280.8 Am32
- Mill in Medellín, Colombia.
- 22727 MONTGOMERY, G. Wheat shortage grows as needs rise. Northwest. Miller 225(9): 37. Feb. 26, 1946. 298.8 N81
- 22728 OMAHA GRAIN EXCHANGE. Annual report, 42d, 19 p. Omaha, 1945. 287 Om12
- Contains statistics of receipts, shipments, and prices of grain.
- 22729 PRODUCTION and properties of 2,3-butanediol. VII-VIII. Canad. J. Res. Sect. F, Technol. 24: 1-28. Jan. 1946. Ref. 470 Cl6F
- Part VII. Fermentation of wheat by *Aerobacillus polymyxa* under aerobic and anaerobic conditions, by J. A. Adams. Part VIII. pH control in *Aerobacillus polymyxa* fermentations [of wheat mash] and its effects on products and their recovery, by G. A. Adams and J. D. Leslie.
- 22730 RASK, C. The modern barley malt process. Amer. Miller and Processor 74(1): 80-84, 227. Jan. 1946. 280.8 Am32
- 22731 PAVCEK, P. L. Report on Deutsche Maizena Werke, A. G. (Barby). U. S. Dept. Com. Off. Pub. Bd. Rpt. 4290, 5 p., processed. Washington, 1945. 157.8 R29
- Corn products plant.
- 22732 ROBINSON, J. L. Clyde to Medford and beyond with elevators and service. News Farmer Coop. 12(12): 10, 19-20. Mar. 1946. 166.2 N47
- Cooperative grain elevators.
- 22733 ROSE, R. C. This elevator makes money treating seed grain for its 3200 patrons. Farmer [St. Paul]. Gen. Ed. 64(2): 1, 14-15. Jan. 19, 1946. 6 F2211
- 22734 SWANSON, C. O. Chemistry for millers; effect of wetting wheat upon its structure. Northwest. Miller (Milling Prod. Sect.) 225(11): 12a-15a. Mar. 12, 1946. 298.8 N81
- 22735 SWANSON, C. O. Some principles in testing for quality [in flour]. Miller 72: 99-100. Feb. 4, 1946. 298.8 M61
- 22736 TOPLIS, L. G. The N. P. L. moisture meter. Miller 72: 101-102. Feb. 4, 1946. 298.8 M61
- Devised by workers at National Physical Laboratory.
- 22737 TOWNER, A. A., and KOHN, R. C. Rapid determination of bromate in flour. Cereal Chem. 23: 64-65. Jan. 1946. Ref. 59.2 C33
- 22738 VENTRE, E. K., and others. Extraction of acetic acid from sorgo. Indus. and Engin. Chem., Indus. Ed. 38(2): 201-204. Feb. 15, 1946. 381 J825
- J. A. Ambler, H. C. Henry, S. Byall, and H. S. Paine, joint authors.
- 22739 MAY, J. General Mills and Pillsbury kill flour brands. Food Field Rptr. 14(5): 1, 48. Mar. 4, 1946. 286.83 F73
- 22740 WEIHE, H. D., and PHILLIPS, M. Loss of furfural-yielding constituents from wheat straw on treatment with alcoholic and aqueous sodium hydroxide solutions. J. Agr. Res. 72: 163-167. Feb. 15, 1946. Ref. 1 Ag84J

## HONEY AND BEESWAX

- 22743 MOCATTA, E. V. How honey should be publicised. Australasian Beekeeper 47: 126-127. Nov. 1945/Jan. 1946. 424.8 Au72
- 22744 SEIDLITZ, R. Också ett sätt att renhona. Bitidningen 45: 22. Jan. 1946. 424.8 B54
- Honey processing.
- 22745 STUMMEKE, S. H. The preparation of honey for wholesale markets. Australasian Beekeeper 47: 127. Nov. 1945/Jan. 1946. 424.8 Au72
- 22746 WREDEBERG, E. Konsthonung importeras åter. Bitidningen 45: 25-26. Jan. 1946. 424.8 B54
- Effect of imports of artificial honey on the honey market in Sweden.

## LIVESTOCK AND LIVESTOCK PRODUCTS

- 22747 A., M. B. Director for big supplies; Ministry of Food sets up new department in revised pig and bacon structure - is industry to be run by civil servants? Farmer & Stock-Breeder 60: 75. Jan. 8, 1946. 10 F228
- 22748 AABERG, H. The A.F.B.F. Livestock Department. Nation's Agr. 21(2): 5, 11, 14. Feb. 1946. 280.82 B89
- 22749 ALSOP, H. L. Some impressions of South Africa. Past. Rev. 56(1): 33-35. (To be cont.) Jan. 16, 1946. 23 Au75
- On the livestock industry.
- 22750 AUSTRALIAN MEAT BOARD. Annual report, 10th, 1944/45, 26 p. Canberra, 1945. 286.3509 Au7
- 22751 BALDRIDGE, H. Need for a better understanding between purebred and commercial pork producers. Hog Breeder 21(4): 10. Mar. 1946. 46.8 H672
- 22752 BANKS, A. E. Pelts and meat. Small Stock Mag. 30(2): 8. Feb. 1946. 48.8 P442
- 22753 BEHRENS, M. E. Commercial rabbit raising. Small Stock Mag. 30(2): 3, 12-13. Feb. 1946. 48.8 P442
- 22754 BRAYER, H. O. History of cattle in Kansas. Amer. Cattle Prod. 27(10): 8-11. Mar. 1946. 49 P94
- 22755 BROWN, G. The problem of livestock demand. Feedstuffs 18(7): 10. Feb. 16, 1946. 286.81 F322
- 22756 BROWN, G. A. What about livestock situation? Mich. Farmer 206: 189, 218. Mar. 16, 1946. 6 M58
- 22757 CONNORS, T. A. Quality beef demand doubled. Butchers' Advocate 119(7): 13. Feb. 13, 1946. 286.85 B97
- 22758 COUTH, V. M. Fur rabbit improvement. Calif. Rabbits Mag. 9(7): 11. Feb. 1946. 40.28 Sa5
- 22759 CUTTING, J. Illinois means meat for the millions. Crown 35(3): 9-11, 22. Mar. 1946. 389.8 C88
- Illinois meat packing and livestock industry.
- 22760 DOWNEY, L. A. Pigs, salvage unit of food industries. Victoria. Dept. Agr. J. 44: 13-15. Jan. 1946. 23 V66J
- Production policies.
- 22761 FERNÁNDEZ NESSI, C. M. Más carne argentina para el mercado mundial. Res 13: 18379. Dec. 5, 1945. 286.85 R31
- 22762 FERRIN, E. F. Honor roll pork producers tell how they make money; good management is the main reason. Farmer [St. Paul]. Dak. Ed. 64(4): 7, 33. Feb. 16, 1946. 6 F221D
- 22763 FRY, J. E. Organization's [B. C. Beef Cattle Growers' Association] value to B. C. livestock producers. Country Life [British Columbia] 29, i.e. 30(12, i.e. 2): 13. Feb. 1946. 7 C832
- 22764 GUYER, C. F. The Karakul industry in southwestern Africa. Poultry Farmer 13(29): 37-38. Feb. 9, 1946. 280.28 Or32



- 22765 HENRY, C. A. Meat and pelts. Small Stock Mag. 30(2): 41. Feb. 1946. 48.8 P442
- 22766 WICKMAN, E. The market's strong and strictly choice. Farm and Ranch 65(3): 28-29. Mar. 1946. 6 P31
- Livestock market, Texas.
- 22767 HOCKENBERRY, N. F. What does it take to stabilize the rabbit industry? Amer. Small Stock Farmer 30(6): 3. Mar. 1946. 48.8 J82
- 22768 HOWERY, H. L. Reviewing the year 1945. Small Stock Mag. 30(3): 42. Mar. 1946. 48.8 P442
- Rabbits.
- 22769 IMHOFF, A. H. 4-H Baby Beef Club marks 20th anniversary. Pa. Farmer 134: 127, 139. Feb. 23, 1946. 6 P383
- 22770 JENNINGS, E. M., JR. Bank loans to shoe manufacturers. Hide and Leather and Shoes 3(12): 13-14, 16. (Concl.) March 16, 1946. 303.8 H53
- Discusses factors affecting leather prices, including the raw hides and skins situation.
- 22771 KILDEE, H. H. Looking ahead with the pork producer; production must be adjusted in keeping with market demand. Amer. Hampshire Herdsman 21(2): 11, 56, 66, 70. Feb. 1946. 46.8 Am33
- 22772 LECKIE, H. K. Wartime developments in the Canadian livestock and meat trade. II. Econ. Annal. 16(1): 8-12. Feb. 1946. 280.8 Ec75
- 22773 MENGES, R. W. Rennet extract. Amer. Vet. Med. Assoc. J. 108: 136-139. Mar. 1946. 41.8 Am3
- 22774 MONTGOMERY, I. W. The Northern Territory. Austral. Vet. J. 21: 129-137. Oct./Dec. 1945. 41.8 Au72
- Review of its potentialities as a livestock raising region.
- 22775 MUNRO, H. G. Ideal meat board; producer controlled. Country Life [Sydney] 57(28): 1. Jan. 11, 1946. 286.85 Sy2
- Suggestions for stabilization of the Australian meat industry.
- 22776 OLSSON, B. Flåskmarknadens utveckling och framtidsutsikter. Lantmannen 29: 1143-1145. Dec. 22, 1945. 11 L234
- Swine production in Sweden.
- 22777 PARVIN, D. W. Livestock of Nation keeps at war level. Miss. Farm Res. [Miss. Sta.] 9(1): 1. Jan. 1946. 100 M69M1
- 22778 PASTORAL possibilities with railways [Australia]. By "Culkah." Past. Rev. 56(1): 28-29. Jan. 16, 1946. 23 Au75
- Possibilities of cattle raising.
- 22779 POLLOCK, R. C. A nation-wide meat program. Sheepman 16: 388, 395. Mar. 1946. 45.8 Sh32
- 22780 ROBISON, W. L. New swine program proposed. Ohio Farmer 197(6): 14. Mar. 16, 1946. 6 Oh3
- 22781 SREALLY, A. L. Cattle business plans ahead. Fla. Grower 54(1): 12. Jan. 1946. 80 F6622
- 22782 VICKREY, K. G. Are you cut out for the job [of rabbit raising]? Small Stock Mag. 30(2): 36-37, 40. Feb. 1946. 48.8 P442
- 22783 WHITEMAN, T. Current meat supply easier. Natl. Indus. Conf. Bd. Business Rec. 3: 59-60. Feb. 1946. 280.9 N216Cb
- Analysis and Composition
- 22784 ACHAYA, K. T., and BANERJEE, B. N. Characteristics of Indian animal fats. Cur. Sci. 15: 23-24. Jan. 1946. 475 Sci23
- 22785 MITTON, R. G. Some physical properties and their variability in hide belly leather and goat-skins. Internatl. Soc. Leather Trades Chem. J. 29: 269-277. Dec. 1945. 303.9 Sol2
- 22786 SUR LES constituants de la graisse de laine: I-II. Soc. de Chim. Biol. B. 27: 211-225. Apr./June 1945. 353 Sol
- I. Essai de mise au point de la question jusqu'à ce jour, by L. Velluz and E. Lederer; II. Étude chromatographique de la partie insaponifiable, by D. Deniel, E. Lederer, and L. Velluz.
- Distribution, Marketing, and Transportation
- 22787 ALEXANDERSSON, H. Slakteriorganisationens smågrishandel 1945. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 16(3): 1. Jan. 19, 1946. 11 J762
- Cooperative marketing of swine in Sweden.
- 22788 CLINE, J. A. How to buy meat. Amer. Restaurant Mag. 30(2): 24-25, 94, 96, 98, 100. Feb. 1946. 389.2538 Am3
- Grades and characteristics.
- 22789 CURTISS, W. M. Marketing New York meat animals. N. Y. Agr. Col. (Cornell) A. E. 542, 11 p., processed. Ithaca, 1945. 281.9 C81
- 22790 DOE, R. W. Face to face with the consumer. Calif. Cattleman, Feb. 1946, p. 16-19, 22-23. 43.8 C12
- Meat marketing in chain stores.
- 22791 HOBBS, E. A. Merchandising rabbits. Calif. Rabbits Mag. 9(7): 12. Feb. 1946. 40.28 Sa5
- 22792 MORRISSEY, W. J. Beef tonnage shows marked decrease; February slaughter 15 percent under year ago and average weight in 30-pound drop. Amer. Hereford J. 36(21): 16-17. Mar. 1, 1946. 43.8 Am32
- 22793 MORRISSEY, W. J. New basis evident in beef trading. Amer. Hereford J. 36(20): 10-11. Feb. 15, 1946. 43.8 Am32
- 22794 OLSSON, B. Slakteriorganisationens livdjurshandel 1945. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 16(4): 1, 12. Jan. 26, 1946. 11 J762
- Cooperative livestock marketing in Sweden.
- 22795 PHILLIPS, C. D. Research and educational programs in the marketing of livestock. J. Farm Econ. 28: 158-169. Feb. 1946. 280.8 J822
- 22796 PICKETT, A. G. Looking ahead in meat animal marketing. Kans. Stockman 30(5): 52-53. Mar. 1946. 49 K134
- 22797 SKEFFINGTON, L. T. Where to sell your livestock. Breeder's Gaz. 111(3): 8, 33. Mar. 1946. 49 B74
- 22798 STEIDL, R. H. Equity Co-op rescues strike-bound farmer with own stockyards. Natl. Live Stock Prod. 24(6): 24. Mar. 1946. 280.38 N21
- Feeder farm of the Equity Cooperative Livestock Sales Association opened to farmers during the packing plants strike.
- 22799 WATSON, M. A. The history and economics of cattlehide leather tanning; chapter X--The markets for leather. Hide and Leather and Shoes 110(24): 15-16, 18-20; 111(2): 28-33; (3): 15-16, 32, 34. (Cont.) Dec. 29, 1945, Jan. 5, 12, 1946. 303.8 H53
- 22800 WIELAND, H. The Chicago Producers Commission Association. Dairyland News 16(4): 1, 2. (Concl.) Feb. 25, 1946. 280.28 W752
- 22801 WILLIAMS, J. R. Marketing baconer pigs. N. S. Wales. Dept. Agr. Div. Mktg. and Agr. Econ. Rev. Mktg. and Agr. Econ. 14(1): 21-22. Jan. 1946. 286.8 N47M
- Grading, Inspection, Standardization, and Quality
- 22802 CAVANDOLI, H. E. Importancia de la inspección veterinaria en los mataderos. Res 13: 18380. Dec. 5, 1945. 286.85 R31
- Packing and Packaging
- 22803 HILBY, M. Whither packaged meats? Canad. Food Packer 17(2): 27, 29, 31. Feb. 1946. 286.83 C166
- Outlook for fresh and frozen packaged meats.
- PRICES, PRICE CONTROL, AND RATIONING
- 22804 GALLOWAY, W. J. Fat stock schedule prices. Straight Furrow 5(2): 9. Dec. 15, 1945. 281.8 St8
- Lambs.
- 22805 PATWORTH, D. Better rabbit skin prices ahead. Poultry [London] 98: 73. Jan. 29, 1946. 47.8 P869



22806 PECK, L. Meat prices as they figure in the labor dispute. *Kosher Butcher News* 5(45): 14-13. Jan. 11, 1946. 286.85 K84

#### Processing and Storage

22807 BLACK, H. C. A study of the relationship of peroxide values to fat deterioration in meat products. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 146-148. 1945. 157.8 R29

22808 CRAPPLE, G. A. Improvement of the keeping quality of lard by treatment with tannins. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 116-120. 1945. 157.8 R29

22809 DEANE, D. L. Problems related to meat products. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 12-13. 1945. 157.8 R29

#### Preservation problems.

22810 GREENWOOD, D. A., STRITAR, J. E., and KRAYBILL, H. R. Factors and processes influencing the keeping quality of bacon. *Inst. Food Technol. Proc.* 1945: 58-71. 389.9 In7

22811 GROSS, C. E., and SCHAUB, D. J. Evaluation of the lethality of pasteurization processes used in the meat packing industry. *Inst. Food Technol. Proc.* 1945: 139-145. 389.9 In7

22812 HANKINS, O. G., DUNKER, C. F., and BENNETT, O. L. Producing dehydrated meats by drum-cabinet, retort-cabinet, and other methods. *Food Res.* 11(1): 1-13. Jan./Feb. 1946. 389.8 F7322

22813 HETZER, H. B., and HANKINS, O. G. Compression of dehydrated meat. *Food Res.* 11(1): 32-38. Jan./Feb. 1946. 389.8 F7322

22814 HILBERT, F. L. The technology of tanning; part 3 - The art and science of leather making. *Hide and Leather and Shoes* 110(16, sect. 1): 29-34; (21): 25-26, 28, 36; 111(3): 18, 36-37; (7): 22, 24, 26, 29-30; (11): 18, 20, 38. (Cont.) Nov. 10, Dec. 8, 1945; Jan. 12, Feb. 9, Mar. 9, 1946. 303.8 H53

22815 KENNEY, C. E. First plant of its kind in Canada; natural casings need special processing. *Canad. Food Packer* 17(3): 15-17. Mar. 1946. 286.83 C166

22816 KITTINGER, C. E. To sugar cure beef or pork. *Mont. Farmer* 33(12): 21. Feb. 15, 1946. 6 M764

22817 LIKIERMAN, J. E. Curtido de las pieles de conejo. *Mundo Avic.* 8(94): 46. Dec. 1945. 47.8 M92

22818 PARRISH, W. E. Pelting; seventh article on part-time rabbit farming. *Poultry Farmer* [London] 114(2952): 11. Jan. 18, 1946. 47.8 F312

22819 SAINT-RAT, L. de. Les extraits de viande et leurs succédanés. *Assoc. des Chim. B.* 62(1/3): 3-26. Jan./Mar. 1945. 383 As7

22820 SCHUBERT, A., and SCHULTZ, G. W. Report on German tanning methods. *Hide and Leather and Shoes* 3(7): 10-11, 13, 45. Feb. 9, 1946. 303.8 H53

22821 SKINNING, fleshing, derinding of pork products. Where can mechanization effect savings? *Natl. Provisioner* 114(8): 13, 21. Feb. 23, 1946. 286.85 N21

#### First of a series of articles.

22822 SPINDLER, L. A., DUNKER, C. F., and HANKINS, O. G. Trichinae in pork, killed by 120-deg. F. dehydration. *Food Indus.* 18: 342-344, 466, 468. Mar. 1946. 389.8 F737

22823 WALTERS, L. E. Pork on the farm (cutting, curing, smoking). *New England Homestead* 119(5): 30-31, 36. Mar. 9, 1946. 6 N442

#### Statistics

22824 CURTISS, W. M. Accumulation and liquidation of cattle in the United States. *N. Y. Agr. Col. (Cornell)* A. E. 539, 21 p., processed. Ithaca, 1945. 281.9 C81

#### Statistical.

22825 HARTARD EBERT, M. Nuestro comercio de ganado vacuno. *Campeñino* (Santiago, 77: 717. Dec. 1945. 9.3 Sol2

#### Chilean cattle industry statistics.

22826 ICELAND. HAGSTOFA. Búnaðarskýrslur árið 1942. Statistique de l'agriculture en 1942 [Livestock statistics]. *Hagaskýrslur Íslands, Búnaðarskýrslur* 116, 73 p. Reykjavík, 1945. 257.12 I12

Title, table of contents and captions in Icelandic and French.

22827 LUNA, B. El censo de ganados de 1945. *Cuba. Min. de Agr. Almanaque* (1946) 2: 100-120. 8 C896

#### OILS AND OILSEEDS

22828 ALTSCHUL, A. M., and others. The storage of cottonseed IV. Mill-scale tests on the effects of various treatments of cottonseed and flaxseed on heating and free fatty acid formation during storage. *Oil Mill Gaz.* 50(8): 9, 11, 13, 23-24. Feb. 1946. 307.8 C153

M. E. Curet, M. L. Karon, C. Hall, and B. A. Smith, joint authors.

22829 AULT, W. C. Autoxidation of substances related to fats and oils. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 40-43. 1945. 157.8 R29

#### Oxidation by hydrocarbons.

22830 BAILEY, A. E. Flavor reversion in edible fats. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 73-76. 1945. 157.8 R29

22831 BALDWIN, A. R. The aging of corn oil. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 121-125. 1945. 157.8 R29

22832 BEADLE, B. W. Problems in the evaluation of fat stability. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 47-51. 1945. 157.8 R29

22833 BLACK, H. C. Reaction products formed during fat autoxidation. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 35-39. 1945. 157.8 R29

22834 BURNETT, R. S. Manufacture and use of peanut protein. *Chem. and Engin. News* 24: 478-480. Feb. 25, 1946. 381 J825N

22835 CASTANIE, H. L'huile de soja. *Fruits et Primeurs de l'Afrique du Nord, Ed. Maroc.* 15: 264. Dec. 1945. 80 J482

22836 COE, M. R. Photochemical studies of rancidity: application of the chlorophyll value test to vegetable oils. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 60-62. 1945. 157.8 R29

22837 COWAN, J. C., and CLOPTON, J. R. Organoleptic properties of soybean oil. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 77-83. 1945. Ref. 157.8 R29

22838 DAUBERT, B. F., and FILER, L. J., JR. A study of the keeping qualities of soybean flours under the conditions of accelerated oxidation. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 126-129. 1945. 157.8 R29

22839 DURKEE, M. M. Refining domestic soybean oil for edible use. *Soybean Digest* 6(4): 8-11, 26. Feb. 1946. 60.38 S09

22840 ECKEY, E. W. An oxygen-absorption method for examination of fat. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 67-72. 1945. 157.8 R29

22841 ELDER, L. W., GILMONT, R., and LEVENSON, H. S. Constant pressure oxygen absorption fat stability test. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 63-66. 1945. 157.8 R29

22842 FILER, L. J., JR., MATTEL, K. F., and LONGENECKER, H. E. Chemical changes occurring in fats during autoxidation at 110 C. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 28. 1945. 157.8 R29

22843 FIORE, A. T. Brazil seeks stronger role in essential oils. *Amer. Perfumer and Essential Oil Rev.* 48(2): 47-49. Feb. 1946. 308.8 Am3



- 22844 GABBY, J. L. Chemistry of the versatile soybean. Northwest. Miller (Milling Prod. Sect.) 225(11): 24a-25a. Mar. 12, 1946. 298.8 N81
- 22845 GOLUMBIC, C. Kinetics of antioxygenesis [in oils and fats]. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 93-97. 1945. 157.8 R29
- 22846 GOSS, W. H., and MARKLEY, K. S. Bahrenfelder Margerinenwerke subsidiary of the Deutsche Jurgenwerke A. G. Hamburg-Bahrenfeld. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3454, 4 p., processed. Washington, 1945. 157.8 R29
- 22847 GOSS, W. H. Gebr. Noggerath, Hamburg. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3427, 5 p., processed. Washington, 1945. 157.8 R29
- The firm is engaged in buying and selling of oil-seeds and derivatives.
- 22848 GOSS, W. H. Germany - fats, oils, and oilseeds. C. F. Hilderbrandt Co., Hamburg. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3433, 2 p., processed. Washington, 1945. 157.8 R29
- Production of starch, glucose and soy flour.
- 22849 GRTAVES, J. H. Newer products among the drying oils; influence of the war. Oil & Colour Trades J. 109: 410, 412; 414. Mar. 1, 1946. 306.8 O152
- Vegetable oils.
- 22850 GRUNWALD, K. Palestine's olive industry, a neglected asset. Palestine Tribune 1(48): 6-7; 2(1): 6-7. (To be cont.) Dec. 27, 1945, Jan. 3, 1946. 280.8 P172
- 22851 HANDSCHUMAKER, E. The chemistry of fats and oils. Baker's Digest 20: 19-22. Feb. 1946. 389.8 S11
- 22852 HARDER, M. J., and MULLER, R. B. The use of blended shortenings in the bakery. Baker's Digest 20: 23-24. Feb. 1946. 389.8 S11
- 22853 HIRSCH, W. J. Remember the 20's. Peanut J. and Nut World 25(5): 27-28. Mar. 1946. 77.8 P313
- Peanut situation.
- 22854 HOLTON, P. E. The role of fats and oils in cereal and baked products used by the armed forces. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 22-25. 1945. 157.8 R29
- 22855 HORNE, L. W. Fat and oil products. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 7-11. 1945. 157.8 R29
- Research.
- 22856 HUDSON, J. F. Marketing of cottonseed in Louisiana. La. Rural Econ. 8(1): 1, 6-7. Feb. 1946. 281.8 L93
- 22857 JOHNSON, P. The proteins of the groundnut (*Arachis hypogaea*). Faraday Soc. Trans. 42(1/2): 28-45. Jan./Feb. 1946. 382 F22
- 22858 JONES, J. S., and FANG, S. C. Determination of menthol in peppermint oil; acetic anhydride and pyridine as reagent. Indus. and Engin. Chem., Analyt. Ed. 18: 130-131. Feb. 1946. 381 J825A
- 22859 LOVERN, J. A. Some aspects of recent British studies on antioxidants. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 102-108. 1945. 157.8 R29
- 22860 LUNDBERG, W. O., and HALVORSON, H. O. Observations on solubilities and other properties of several antioxidants in fats. Inst. Food Technol. Proc. 1945: 115-126. 389.9 In7
- 22861 LUNDBERG, W. O., HOLMAN, R. T., and BURR, G. O. Spectroscopic changes in fats during rancidification. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 29-34. 1945. 157.8 R29
- 22862 MARCALI, K., and RIEMAN, W., III. Micro-determination of the saponification number of fats and oils. Indus. and Engin. Chem., Analyt. Ed. 18: 144-145. Feb. 23, 1946. 381 J825A
- 22863 MARKLEY, K. S. Germany - fats, oils and oilseeds. Rohm & Haas, G. m. b. H. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3453, 3 p., processed. Washington, 1945. 157.8 R29
- 22864 MATTILL, H. A. Antioxidants, synergists and pro-oxidants [in oils and fats]. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 90-92. 1945. 157.8 R29
- 22865 MAVEETY, D. J. Correlation of keeping properties of shortening with keeping quality of biscuits. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 136-140. 1945. 157.8 R29
- 22866 NAVES, Y. R. The analysis of lavender oils. Soap and Sanit. Chem. 22(2): 40-43, 79. Feb. 1946. 307.8 S012
- 22867 NETTO, A. S. Óleo de mamona desidratado. Rev. Bras. de Quím. (Cien. & Indus.) 20: 391-393. Dec. 1945. 385 R322
- 22868 PETERSON, M. B. Shortening and cake quality. Baker's Digest 20: 25-27. Feb. 1946. 389.8 S11
- 22869 PRODUCTION and consumption of sesame--a world-wide review. Spice Mill 69(3): 45, 53. Mar. 1946. 389.8 Sp4
- 22870 QUACKENBUSH, F. W. Toxicity of rancid fats. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 149-150. 1945. 157.8 R29
- 22871 RIEMENSCHNEIDER, R. W. Consideration of antioxidants from a practical view. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 52-54. 1945. 157.8 R29
- 22872 RIEMENSCHNEIDER, R. W. Correlation of stability tests for fats and oils. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 98-101. 1945. 157.8 R29
- 22873 THOMPSON, S. Correlation of accelerated tests with long age storage [of fats and oils]. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 55-59. 1945. 157.8 R29
- 22874 TRIEBOLD, H. O. Oxidative deterioration of cereal products. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 133-135. 1945. 157.8 R29
- 22875 U. S. ARMY. QUARTERMASTER GENERAL'S OFFICE. SUBSISTENCE RESEARCH AND DEVELOPMENT LABORATORY. COMMITTEE ON FOOD RESEARCH. Conference on deterioration of fats and oils. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, 153 p. Washington, 1945. 157.8 R29
- Individual papers are listed under their respective subjects in this issue of the Bibliography of Agriculture.
- 22876 ZIELS, N. W., and SCHMIDT, W. H. Procatalytic effect of metals and light [upon vegetable oils and fats]. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2568, p. 109-112. 1945. 157.8 R29

## POULTRY AND POULTRY PRODUCTS

- 22877 BILLINGS, W. A. Are we downhearted--No! The "father" of our modern specialized turkey industry gives sound advice on reconversion. Turkey World 20(12): 13, 93-97. Dec. 1945. 47.38 T84
- 22878 BISSELL, K. 1946 poultry program. Pacific Rural Press, South. Ed. 151: 148. Feb. 16, 1946. 6 P112A
- 22879 BLAKE, R. C., and TEGEL, A. A. Farm pack and export pack project; joint announcement by Deputy Controller of Egg Supplies and Board Chairman. Poultry Farmer (Sydney) 12(54): 3-5. June 9, 1945. 280.28 Or32
- 22880 BOBBY, F. C. Markets can be held with only quality eggs. New Zeal. J. Agr. 72(1): 60-62. Jan. 15, 1946. 23 M485
- 22881 BOTSFORD, H. E. Saving our egg markets. Successful Farming 44(3): 33, 133-134. Mar. 1946. 6 Sul2
- Maintenance of egg quality.
- 22882 BYERLY, T. C. 75% pullets; we hatcherymen can, and should, sell the all-pullet-flock program to chick buyers in 1946. Hatchery Tribune 20(3): 18, 64-65. Mar. 1946. 47.8 H28



- 22883 C., H. Egg sprinkling not to be recommended. Mod. Poultry Keeping 54: 151. Feb. 20, 1946. 47.8 Eg3
- 22884 CALDWELL, R. M. Fresh eggs for sale: New sealing solution preserves "just laid" quality in eggs. Farm and Ranch 65(3): 34, 36. Mar. 1946. 6 T31
- 22885 CARTER, K. Loomis--where good eggs get together. Nebr. Farmer 88(4): 22. Feb. 16, 1946. 6 N27
- Poultry cooperative.
- 22886 CAVERS, J. R. Saskatchewan's Poultry Congress. Country Guide 65(2): 27. Feb. 1946. 7 G76
- 22887 CHARLES, T. B. "I am a good egg." Rural New-Yorker 105: 224. Mar. 2, 1946. 6 R88
- The formation of the egg.
- 22888 CHRISTIAN, J. T. Poultry cannery look forward to expanded industry. Amer. Groc. 155(8): 2-3. Feb. 20, 1946. 286.83 Am32
- 22889 CLINE, L. E. Scarce feed, surplus of poultry, eggs. Pacific Rural Press, South. Ed. 151: 144. Feb. 16, 1946. 6 P112A
- 22890 COLLINSON, H. Quality stays the course. Mod. Poultry Keeping 54: 49. Jan. 16, 1946. 47.8 Eg3
- Chicks.
- 22891 DARRAH, L. B. Changes in breeds and numbers of chickens on a group of poultry farms, 1940 to 1945. N. Y. Agr. Col. (Cornell) A. E. 545, 13 p., processed. Ithaca, 1945. 281.9 C81
- Statistics of production and other economic data.
- 22892 ECKS, R. Poultry-eggs; market trends. Markets 13(50): 1-2. Jan. 24, 1946. 280.38 M343
- 22893 FRANCIS, M. An important selling job; the feed dealer's part in boosting egg consumption. Feedstuffs 18(7): 26, 28. Feb. 16, 1946. 286.81 F322
- 22894 GODFREY, A. B. How to use ROP for better supply flocks. Hatchery Tribune 20(3): 69, 71-72. Mar. 1946. 47.8 H28
- 22895 GROVER, D. W., and HAWTHORNE, J. R. An investigation of the characters of dried whole egg determining baking quality for cakes other than sponge cakes. Food Res. 11(1): 41-48. Jan./Feb. 1946. 389.8 F7322
- 22896 HARRIS, F. The National Plan fits the average hatchery. Kans. Poultry News 2(2): 32, 34. Feb. 1946. 47.8 K13
- 22897 HARTMAN, R. What's ahead for poultry? Everybodys Poultry Mag. 50(10): 5, 37-38. Nov. 1945. 47.8 F213P
- 22898 HIRSCH, A. Quality keynotes fact-finding meet; importance of improving poultry products is stressed at Institute conference. Poultry Supply Dealer 23(3): 36-38. Mar. 1946. 47.8 B11
- 22899 HOAG, W. G. Poultry co-op tells customers its story. News Farmer Coop. 12(12): 8, 22. Mar. 1946. 166.2 N47
- 22900 HOWES, H. Further to this question of egg cooling. Smallholder 74(1872): 14. Feb. 1, 1946. 10 Sml
- 22901 JOHNSON, E. A. "Pink white" in storage eggs. Coop. Poultryman 11(3): 9. Mar. 1946. 47.8 C782
- 22902 KELLEY, D. Better marketing methods would improve egg quality; hatcheries can provide outlets which would encourage farmers to produce top grade stock. Poultry Supply Dealer 23(3): 15, 53. Mar. 1946. 47.8 B11
- 22903 KIMBALL, E. S. Smaller crop expected; Government report as of Jan. 1 shows 5% decrease; later developments indicate greater decrease. Turkey World 21(2): 26-28, 93-95. Mar. 1946. 47.38 T84
- 22904 KLEIN, G. T. Cooling, packaging and freezing of poultry. Everybodys Poultry Mag. 50(11): 10, 38-39. Dec. 1945. 47.8 F213P
- 22905 KLINE, R. W., and FOX, S. W. The inhibition by cysteine and glycine of the deterioration of dried egg white. Iowa State Col. J. Sci. 20: 265-267. Jan. 1946. Ref. 470 Io9
- 22906 LANGAN, E. R. How the P[oultry and] E[gg] N[ational] B[oard] promotes turkey; issues a continuous stream of turkey publicity. Turkey World 20(12): 20, 72-77. Dec. 1945. 47.38 T84
- 22907 LOCKHART, J. A. Building profits with one-stop service. Poultry Supply Dealer 23(2): 15, 63. Feb. 1946. 47.8 B11
- First in a series of articles on modern poultry supply merchandising methods.
- 22908 LOCKHART, J. A. Planning the one-stop farm supply store; study of trade area and competition will reveal best lines to carry. Poultry Supply Dealer 23(3): 18, 66-67. Mar. 1946. 47.8 B11
- Second in a series of articles on modern poultry supply merchandising methods.
- 22909 MARYLAND STATE POULTRY COUNCIL. Proceedings of the summer meeting and eleventh annual winter meeting. 20 p. [Baltimore?] 1945. 47.9 M36P
- Partial contents: The outlook for vital ingredients and feed supplies for 1945, by C. D. Caskey, p. 5-8; Producing and marketing quality eggs, by C. O. Dossin, p. 8-11; Outlook for Government and civilian demand for poultry and eggs in 1945, by W. D. Termohlen, p. 15-20.
- 22910 MEHROF, N. R. Egg market prospects are good. Fla. Grower 54(3): 14-15. Mar. 1946. 80 F622
- 22911 MONGRIEFF, R. W. Testing the flavour of dried eggs. Food Manufacture 21: 55-58, 63. Feb. 1, 1946. 389.8 F736
- 22912 MORRISON, R. Hatchery interest in egg deal increasing; many are planning to start buying on Federal grade basis, Government man says. Poultry Supply Dealer 23(3): 22, 60-61. Mar. 1946. 47.8 B11
- 22913 MORTENSEN, H. Aegpriserne. Andelsbladet 47: 27-28. Jan. 3, 1946. 280.28 An2
- Egg prices in Denmark.
- 22914 MOYER, D. D. Production of quality eggs. Nulaid News 23(10): 9-11. Feb. 1946. 47.8 N917
- Breeding and care and handling.
- 22915 NILES, K. B., and SMITH, C. F. Selling half-turkeys moves large birds; consumers accept them readily if smaller turkeys are not available. Turkey World 20(12): 16-17, 85-87. Dec. 1945. 47.38 T84
- 22916 PARKS, S. Flexible packaging; a streamlined sales aid. Amer. Poultry J., Cent. Ed. 77(3): 6, 67-68. Mar. 1946. 47.8 Am32
- 22917 PEARCE, J. A., REID, M., and COOK, W. H. Dried whole egg powder. XVIII. The keeping quality of acidulated, gas-packed powders of low moisture content. Canad. J. Res. Sect. F, Technol. 24: 39-46. Jan. 1946. Ref. 470 C16P
- 22918 PENNY, J. G. Confusion over a packing station [for eggs, in Scotland]. Mod. Poultry Keeping 54: 105, 109. Feb. 6, 1946. 47.8 Eg3
- 22919 POULTRY AND EGG NATIONAL BOARD. CONSUMER INFORMATION SERVICE. Annual report, 5th anniversary, 1945, 20 p. Chicago. 47.9 P865
- 22920 REEMAN, E. H. The profitable pullet starts with the chick. N. J. Farm and Gard. 17(3): 38. Mar. 1946. 6 G162
- Flock replacement.
- 22921 ROMANOFF, A. L. The flash heat treatment of egg preservation. Northeast. Poultryman 44(5): 30. Nov. 1945. 47.8 M44
- 22922 RUMBALL, P. Post-war production of poultry and eggs. Queensland Agr. J. 61: 357-360. Dec. 1, 1945. 23 Q33



22923 RUMBALL, P. Transport of poultry to market. Queensland Agr. J. 62: 52-53. Jan. 1, 1946.

23 Q33

22924 SALTWELL, A. Poultry industry in Great Britain, is at a low ebb - but now comes our big chance. Smallholder 74(1872): 12-13. Feb. 1, 1945. 10 Sm1

22925 SEATON, M. A. Turkey production in Kansas. Kan. Poultry News 2(2): 41. Feb. 1946. 47.8 K13

22926 SHOEMAKER, K. Long time market outlook. Kans. Poultry News 2(2): 1, 7. Feb. 1946. 47.8 K13

22927 SMALL, M. C. Here come the turkeys! Farm J. 70(3): 24. Mar. 1946. 6 F2212

From the economic point of view.

22928 SODERBERG, P. M. Hatching eggs should not be washed. Poultry Farmer [London] 114(2956): 9. Feb. 15, 1946. 47.8 F312

22929 TERMOHLEN, W. D. Why reduce turkeys 15%? Production goal revised from 10 to 15% decrease. Turkey World 21(2): 38-40, 66. Mar. 1946. 47.38 T84

22930 WALFORD, E. S. Losses can be greatly reduced. New England Homestead 119(3): 24-25. Feb. 9, 1946. 6 N442

In marketing hatchery eggs.

22931 WALKER, R. Loss of American dried eggs a blow to British. Prod. Packer 26(9): 1, 5. Feb. 23, 1946. 286.85 P94

22932 WEAVER, L. E. Flood control for eggs. Amer. Agr. 143: 152, 154. Mar. 16, 1946. 6 Am3

22933 WELL-DRESSED birds for a broader poultry market. Mod. Packaging 19(6): 122-124, 170, 172. Feb. 1946. 309.8 M72

22934 WILLIAMS, I. L., and GARDNER, B. W. How to buy a chicken. Consum. Res., Inc. B. 17(3): 27-30. Mar. 1946. 321.8 C76

#### RUBBER AND RUBBER SUBSTITUTES

22935 ALFREY, T., and others. Non-sulphur vulcanization-II; an experimental study. India Rubber World 113: 653-658. Feb. 1946. 306.8 In2

J. G. Hendricks, R. M. Hershey, and H. Mark, joint authors.

22936 BARBA GOSE, E. Productos plásticos sucedáneos del caucho. Dominican Repub. Sec. de Estado de Agr., Indus. y Trab. Rev. de Agr. 36(159): 41-45. (Cont.) Mar./Apr. 1946. 8 R323

22937 BECHER, C., JR. Inländisches pflanzen-gummi und dessen verwendung zu klebstoffen, emulgierungsmitteln und ähnlichen erzeugnissen. Chem. Ztg. 69: 52-54. Mar. 14, 1945. 384 C427

22938 BOUÇAS, V. F. O problema da produção da borracha brasileira. Rev. Bras. de Quím. (Cien. & Indus.) 20: 294, 296, 298, 300-302, 304-305. (To be cont.) Oct. 1945. 385 R322

22939 DE FRANCE, M. J. Rubber industry needs new chemicals. Chem. Indus. 58: 426-428, 492. Mar. 1946. 381 C426

22940 GRANT, T. J. Cooperative rubber research in Costa Rica. Agr. in the Americas 6: 47-50. Mar. 1946. 1 F752

22941 HAEHL, A. L'étude et la mesure de l'élasticité caoutchoutique par les essais de compression et de traction. Chim. & Indus. [Paris] 53: 78-93. (To be cont.) Feb. 1945. 383 C42

22942 HOUGHTEN, M. L. Bibliography: rubber testing; a preliminary report limited to oxygen, ozone, ultra violet light and sunlight aging. U. S. Dept. Com. Off. Pub. Bd. Rpt. 1756, 41 p., processed. Washington, 1945. 157.8 R29

22943 KING, J. G., and TWISS, D. F. Production of petrol from rubber. Chem. & Indus., No. 5, p. 53-54. Feb. 2, 1946. 382 M31C

22944 MCMILLAN, F. M., and others. New synthetic rubbers based on methylpentadiene. India Rubber World 113: 663-666, 669, 714. Feb. 1946. 306.8 In2  
E. T. Bishop, K. E. Marple, and T. W. Evans, joint authors.

22945 PITTMAN, E. W., and others. Impact of strategic air attack on the German rubber industry. India Rubber World 113: 647-652, 720. Feb. 1946. 305.8 In2

G. O. Trenchard, M. J. Tierney, and W. C. Asbury, joint authors.

22946 LE PROBLEME du caoutchouc. By I. E. (B. Q. P. E.). Petit Casablancais 30(1243): 1-2. Dec. 22, 1945. 280.8 p44

22947 STERN, H. J. German synthetic rubber technology. Rubber Age & Synthetics 26: 321-322, 326. Feb. 1946. 305.8 R324  
Summary of address by G. L. Hammond.

22948 STERN, H. J. Old and new methods of manufacture. India Rubber J. 110: 201-202, 204-206. (To be cont.) Feb. 16, 1946. 305.8 In21

#### SEEDS

22949 ANDERSEN, J. C. D. L. F. aavl af kløver-, græs- og roefrø. Tidsskr. for Frøavl 17: 196-201. June 10, 1945. 61.8 T43

Clover, grass and root seeds produced by the Danish Farmers Co-operative Association for Seed Growing.

22950 ANDERSEN, J. C. Eksportordningen for markfrø. Tidsskr. for Frøavl 17: 331-334. Jan. 10, 1946. 61.8 T43

Seed prices in Denmark.

22951 ANDERSEN, J. C. Frøavlssituationen. Tidsskr. for Frøavl 17: 241-243. Sept. 10, 1945. 61.8 T43

Seed production in Denmark.

22952 ASOCIACION RURAL DEL URUGUAY. Escasez y carestía de semillas de avena. Asoc. Rural del Uruguay Rev. 72(12): 29-30. Dec. 1945. 9.9 As5

22953 BROWN, H. L. Seeds in the South African market. Com. Intel. J. 74: 146-149. Feb. 16, 1946. 286.8 C16

22954 ERICKSON, L. C. Efficiency of blowing versus screening alfalfa seed. Seed World 59(4): 8-9, 48-49. Feb. 15, 1946. 61.8 Se52

22955 IMPORTANCE of home-grown seeds. By Varro. Field 127: 23. Jan. 5, 1946. 10 F45  
Production of seeds in Great Britain.

22956 MILLS, C. B. Problems in marketing grass seed. Seed World 59(4): 46-47. Feb. 15, 1946. 61.8 Se52

22957 NICHOLS, E. Telle of farming and seed trade in Oklahoma. Seed Trade News 46(8): 1, 3. Feb. 20, 1946. 61.8 Se3

22958 NILSSON-LEISSNER, G. Frö till betesvallar. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellan-sverige och Gästrikland 16(5): 14. Feb. 2, 1946. 11 J762

Shortages of seeds for pastures in Sweden.

22959 P., P. E. Bringing back seed from Kenya; service men's collections may include some new varieties. Smallholder 74(1873): 13. Feb. 8, 1946. 10 Sm1

22960 PETTERSSON, S. Jordbrukets utsädesfråga. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellan-sverige och Gästrikland 15(50): 8. Dec. 15, 1945. 11 J762

Seed quality.

22961 SHIFFRIS, O. Lockers should sell seeds. Quick Frozen Foods 8(7): 144. Feb. 1946. 389.8 Q4

22962 SKÅNES FRÖODLINGSFÖRENING. Berättelse över Skånes Fröodlingsförenings verksamhet under år 1944 [Report of the activities of the Scania Seed Growers Association in 1944]. Malmöhus Länns Hushåll. Skilsk. Kvrtlskr., No. 1, p. 35-51. 1945. 11 M29



## SUGAR AND SIRUPS

- 22963 BAQUERO, G. La tecnificación integral de la industria azucarera. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 306-308. Oct. 1945. 65.9 As5B
- 22964 BELVAL, R., and DELAPORTE, B. La purification de la betterave gelée; mécanisme de la synthèse de la fructosane. Paris. Acad. des Sci. Compt. Rend. 271: 592-593. Nov. 12, 1945. 505 P21
- 22965 BEYERS, E. Clarification of sugar cane molasses for yeast culture. Food Manufacture 21: 113-115. Mar. 1, 1946. 389.8 F736
- 22966 BOTELHO, J. Colóides e adsorção. Brasil Açucareiro 26: 508-510. Nov. 1945. 65.8 B73
- 22967 BOTELHO, J. Purificação do açúcar. Brasil Açucareiro 26: 604-606. Dec. 1945. 65.8 B73
- 22968 COPPIN, G. A. Preparation of lime for juice clarification in Barbados. Internatl. Sugar J. 48: 40-41. Feb. 1946. 65.8 In8
- 22969 COULTER, J. L. What's wrong with the price of sugar and why? Sugar J. 8(9): 6-7, 24. Feb. 1946. 65.8 Su391
- 22970 DANSENEAU, P. L'industrie de l'étrable. Abeille et l'étrable 14: 136-137; 15: 3-5. (Cont.) Dec. 1945, Jan. 1946. 424.8 Ab32
- 22971 DICKINSON, W. E. Que es lo que sucede con la glucosa? Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 291-293. (To be cont.) Oct. 1945. 65.9 As5B
- 22972 DUBOURG, M. J. Les particularités de la campagne sucrière 1943-44. Assoc. des Chim. B. 62(1/3): 37-40. Jan./Mar. 1945. 383 As7
- 22973 DUBREIL, T. Difficultés de l'industrie betteravière; réponse à M. Georges Ray. Chim. & Indus. Paris, 54: 442. Dec. 1945. 383 C42  
Mr. Ray's reply is given on p. 443.
- 22974 DYER, B. W., & CO. Sees increase in second quarter quotas of sugar for candy, ice cream industries. Confectionery-Ice Cream World 35(8): 18. Feb. 22, 1946. 389.8 C767
- 22975 FREEMAN, T. R. Some observations on the acid inversion of sucrose. J. Dairy Sci. 29: 101-113. Feb. 1946. 44.8 J822
- 22976 GOTTSCHALK, A. Analysis of sucrose fermentation by yeast at 0°C. Austral. J. Expt. Biol. and Med. Sci. 23: 261-266. Dec. 1945. Ref. 442.5 Au7
- 22977 GROGAN, H. L. Deterioration of sugar during storage. Internatl. Sugar J. 48: 41-43. (To be cont.) Feb. 1946. Ref. 65.3 In8
- 22978 HOFMAN DE VILLIERS, O. D'. Préservation du jus. Rev. Agr. de l'île Maurice 24: 241-248. Sept./Oct. 1945. 24 M44  
Sugarcane juice.
- 22979 HUBER, M. L. Limited sugar increase in prospect for bakers. Bakers Weekly 129(11): 47. Mar. 18, 1946. 389.8 B172
- 22980 LÓPEZ Y FERRER, F. A. Cultivo intensivo para la caña; diversificación agrícola y mercados libres. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 294-296. Oct. 1945. 65.9 As5B
- 22981 MAGALHÃES, B. DE. O açúcar nos primórdios do Brasil colonial. XI-XII. Brasil Açucareiro 26: 518-521, 616-620. Nov.-Dec. 1945. 65.8 B73
- 22982 MANUAL azucarero de Cuba; the "Gillmore" Cuba sugar manual, 1945/46, 394 p. Habana, 1945. 65.8 C42
- 22983 MELO, M. L. DE. A curva dos preços do açúcar. Brasil Açucareiro 26: 476-478. Nov. 1945. 65.8 B73
- 22984 MORGAN, F. Sugar beets in Oregon. Sugar Beet 6(2): 24-25. Mar. 1946. 66.8 Su34B
- 22985 RAMÍREZ, J. C. Evolução da indústria açucareira mexicana. Brasil Açucareiro 26: 506-507. Dec. 1945. 65.8 B73

- 22986 RODRIGUES, J. H. Notas à literatura brasileira sobre o açúcar no século XIX. I-II. Brasil Açucareiro 26: 512-516, 609-610, 612-614. Nov.-Dec. 1945. 65.8 B73  
Includes bibliography.
- 22987 SALINAS, J. G. Cooperación, cooperación y mas cooperación. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 279-290. Oct. 1945. 65.9 As5B
- 22988 TANNER, H. A la sucrerie d'Aarberg. J. d'Agr. Suisse 67(41): 1, 3. Oct. 13, 1945. 17 J82
- 22989 VARZEA, A. Duros tempos de Vitória. Brasil Açucareiro 26: 622-624. Dec. 1945. 65.8 B73  
History of sugar in the 17th century.
- 22990 VIVEIROS, J. DE. O açúcar através do periódico "O Auxiliador da Indústria Nacional." XV-XVI. Brasil Açucareiro 26: 524-526, 630-633. Nov., Dec. 1945. 65.8 B73

## TOBACCO

- 22991 ANDERSON, P. J. Tobacco outlook for 1946. New England Homestead 119(4): 14. Feb. 23, 1946. 6 N442
- 22992 CANDAS DÍAZ, R. Problemas del tabaco. Cuba. Min. de Agr. Almanaque (1946) 2: 133-142. 8 C896  
Statistical.
- 22993 GONZÁLEZ B., L. A. Curación del tabaco Virginia. Agr. Venezol. 10(112): 4-8. Dec. 1945/Jan. 1946. 9.95 Ag8
- 22994 MARLAND, L. K. Louisiana perique [tobacco]; part II. New Orleans Port Rec. 4(6): 13-14, 20-24. Feb. 1946. 286.8 N472  
History of the industry.
- 22995 MOHR, W. Método volumétrico para a dosagem exata da nicotina no fumo e em preparados nicotina. Rev. Bras. de Quím. (Cien. & Indus.) 20: 283-286. Oct. 1945. 385 B322
- 22996 R. Durch welche massnahmen kann das rauchen unschädlich gemacht werden? Chem. Ztg. 69: 51-52. Mar. 14, 1945. 384 C427
- 22997 WESTBROOK, E. C. Quality [in tobacco] is the keynote for 1946. South. Agr. 76(3): 26. Mar. 1946. 6 So83

## MISCELLANEOUS PRODUCTS

- 22998 ALPHEN, J. L. Meeting consumer requirements is to-day's leading objective. Fishing Gaz. 62(12): 224-225, 234. 1945. 286.85 F53
- 22999 ARMITAGE, F. D. The microscopy of vegetable foods and drugs; part XIX--quillaja bark. Indus. Chem. and Chem. Mfr. 22: 73-76. (To be cont.) Feb. 1946. 382 In22
- 23000 BERG, G. Consultation with the Norwegian authorities in regard to processing and quick freezing of fish. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3472, 5 p., processed. Washington, 1945. 157.8 B29
- 23001 CRONE, J. Great postwar opportunities in sea food packaging. Fishing Gaz. 62(12): 192-193. 1945. 286.85 F53
- 23002 DAMODARAN, M., and RANGACHARI, P. N. Tamarind seed "pectin." Cur. Sci. 15: 20-21. Jan. 1946. Ref. 475 Sci23
- 23003 DE GUERIN, B. C. Carraegen in the Channel Isles. Food Manufacture 21: 95-98. Mar. 1, 1946. 389.8 F736
- 23004 DELAHANTY, T. W. Licorice root (synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drugs and Pharm. 4(6): 1-5. Jan. 1946. 157.54 In232  
Survey of the industry.
- 23005 KERTESZ, Z. I. The German pectin industry during World War II. U. S. Dept. Com. Off. Pub. Bd. Rpt. 11174, 28 p., processed. Washington, 1945. 157.8 B29



- 23006 KURTH, E. F. Yeasts from wood sugar stillage. *Indus. and Engin. Chem., Indus. Ed.* 38 (2): 204-207. Feb. 15, 1946. 381 J825
- 23007 LEEK, F. H. The season's hops. *Inst. Brewing J.* 52: 30-31. Jan./Feb. 1946. 390.9 In7 Discussion, p. 31-32.
- 23008 LUVISI, F. P., and CLARKE, I. D. Effects of time and temperature of steeping on the soluble constituents of Sicilian and domestic sumacs. *Amer. Leather Chem. Assoc. J.* 41: 98-121. Mar. 1946. 303.9 Am32
- Effect of steeping on composition of leaves and color of the leather tanned with them.
- 23009 PAVCEK, P. L. Report on Gebruder Asmussen, Elmshorn. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3431, 2 p., processed. Washington, 1945. 157.8 R29
- Producers of bakers' yeast and ethyl alcohol.
- 23010 PAVCEK, P. L. Wood sugar yeast manufacture. I. G. Farbenindustrie, Wolfen. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4292, 18 p., processed. Washington, 1945. 157.8 R29
- 23011 POTTINGER, S. R. Developments in freezing oysters; banish the "R" month bugaboo.- bring on the oysters! *Amer. Cookery* 51(7): 24-25, 61. Mar. 1946. (Beltsville Branch Libr.)
- 23012 RICE, F. A. H. The effect of solvent and temperature on the viscosity of the polysaccharide of Irish moss, *Chondrus crispus*, and the effect of solvent on its initial gelation. *Canad. J. Res. Sect. B, Chem. Sci.* 24: 12-19. Jan. 1946. 470 C16B
- 23013 RICE, F. A. H. A method of measuring the stabilizing power of extracts of Irish moss, *Chondrus crispus*. *Canad. J. Res. Sect. B, Chem. Sci.* 24: 20-27. Jan. 1946. Ref. 470 C16B
- 23014 ROGATNICK, J. H. Iceland's quick-frozen fish-fillet industry. (Digest.) *Foreign Com. Weekly* 22(9): 11, 45. Mar. 2, 1946. 157.54 F763
- 23015 SIGURDSSON, G. J. Studies on the storage of herring in refrigerated brine. *Inst. Food Technol. Proc.* 1945: 91-114. 389.9 In7
- 23016 SILVER, R. E. Some problems of rancidity as related to edible fish products. U. S. Dept. Com. Pub. Bd. Rpt. 2568, p. 14-18. 1945. 157.8 R29
- 23017 SKOOG, F. Food yeast production and utilization in Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 2041, p. 61-214. Washington, 1945. 157.8 R29
- Appendices include reports on yeast factories, manufacture, and nutritive value by the following authors: Krueger, H. Fink, F. Just, A. Hock, I. Schlie, U. Radtke, R. Illig, Neumann, Lindner, and Lang.
- 23018 WESTBROOK, F., Jr. Harvest from the sea. *Forbes* 57(5): 23. Mar. 1, 1946. 280.8 F74
- Products from seaweed.
- 23019 ZAROTSCHENZEFF, W. M. Postwar refrigeration; great advances seen in postwar frozen fish and sea food; many wartime developments. *Fishing Gaz.* 62(12): 210, 212. 1945. 286.85 F53
- 23022 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Turkey; review of commercial conditions, 1945, 44 p. London, 1945. 269.9 G79
- Includes agriculture and foreign trade.
- 23023 HOBSON, A. Discussion of papers [in this issue] on foreign agriculture and trade problems. *J. Farm Econ.* 28: 80-83. Feb. 1946. 280.8 J822
- 23024 MOORE, A. Discussion [on policy of agricultural economists in educating the public]. *J. Farm Econ.* 28: 311-313. Feb. 1946. 280.8 J822
- 23025 MURRAY, W. G. Discussion of papers: research developments [in farm economics]. *J. Farm Econ.* 28: 140-143. Feb. 1946. 280.8 J822
- 23026 NORTON, L. J. Agricultural economists and public opinion. *J. Farm Econ.* 28: 306-310. Feb. 1946. 280.8 J822
- 23027 RICHARDSON, F. L. W., JR. First principles of rural rehabilitation. *Appl. Anthrop.* 4(3): 16-31. Summer 1945. 280.8 Ap5
- Principles derived from experiences in Greece.
- 23028 STEWART, C. L. Educational opportunities and responsibilities in foreign agriculture. *J. Farm Econ.* 28: 71-80. Feb. 1946. 280.8 J822
- Need for world exchange of ideas on agriculture, home economics, and rural life.
- 23029 STREATFIELD, N. An Island comes to life again. *Farmers Weekly* [London] 24(3): 45. Jan. 18, 1946. 10 F2226
- Rehabilitating Alderney.
- 23030 WESTCOTT, G. W. Postwar extension problems in general agricultural economics. *J. Farm Econ.* 28: 199-212. Feb. 1946. 280.8 J822
- 23031 WILLIAMS, R. H. Can farm and labor groups wed? *West. Farm Life* 48(5): 5, 14-15. Mar. 1, 1946. 6 R153

## AGRICULTURAL FINANCE

- 23032 DOWELL, J. M. Plant corn; seed alfalfa; sow oats. *Breeder's Gaz.* 111(3): 10, 31. Mar. 1946. 49 B74
- Farm finance outlook.
- 23033 HILL, F. F. Research developments in farm finance. *J. Farm Econ.* 28: 114-125. Feb. 1946. 280.8 J822

## Credit

- 23034 BANCO AGRÍCOLA DEL PERÚ. Memoria, 14th, 1944/45, 10 p. Lima, 1945. 284.29 B225A
- Credit operations.
- 23035 CRIEER, E. P. Farm Credit Board plans. *Pa. Farmer* 134: 157. Mar. 9, 1946. 6 P383
- Federal Land Bank of Baltimore.
- 23036 FOSTER, R. L. First P. C. A. makes patronage refund. *News Farmer Coop.* 12(12): 9. Mar. 1946. 166.2 N47
- Nevada Livestock Production Credit Association.
- 23037 HART, V. B. Find out what farmers are doing. *Banking* 38(9): 49. Mar. 1946. 284.8 Am3
- Farmer-banker relationships, and farmers' attitudes toward bankers.
- 23038 HULL, C. V. The \$64 question; a couple of oldtimers get the answer first hand. *Farm Impl. News* 67(6): 84. Mar. 14, 1946. 58.8 F22
- Credit in farm equipment business.
- 23039 KENYON, B. W., JR. Credit has its place and we keep it there. *News Farmer Coop.* 12(12): 11, 20. Mar. 1946. 166.2 N47
- 23040 KHAN, S. J. Financing the cotton farmer in India, a dark picture with a ray of hope. *Cotton Trade J., Internatl. Ed.* (1945/46) 14: 76, 78-79, 83-85. 72.8 C82141
- 23041 KOLODNY, J. Credit problems--they will return. *Internatl. Confectioner* 56(1): 50, 58. Jan. 1946. 389.8 In214
- Credit in the tobacco industry.

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

## GENERAL

- 23020 ANDERSON, C. P. Question mark of 1946. *Nation's Agr.* 21(1): 5, 23. Jan. 1946. 280.82 B89
- Need for parity income for agriculture and cooperation between industry and agriculture.
- 23021 CROSBY, J. E., and BURCH, J. W. Discussion of papers on postwar extension problems in agricultural economics. *J. Farm Econ.* 28: 226-234. Feb. 1946. 280.8 J822



Income

23042 CALIFORNIA. STATE CHAMBER OF COMMERCE. RESEARCH DEPT. Net incomes of farm operators in California - 1939-1944. Calif. State Chamber Com. Res. Dept. Econ. Survey Ser. 1945-46. Rpt. 22, 1 p., processed. n. p., 1946. 252.09 C129

23043 CHUVIKOV, V. Raspredelenie dokhodov v kolkhozakh i avansirovanie kolkhoznikov [Distribution of income on the collective farms and advance payment to collective farmers]. Kolkhoz. Proizvod. 5(8/9): 9-11. Aug./Sept. 1945. 281.8 K83

23044 DEACHMAN, R. J. Agriculture and labor. Canad. Countryman 35(6): 37. Mar. 16, 1946. 7 C833

Relation of wages to income.

23045 THE effect of war on farm income. Fed. Reserve Bank Phila. Business Rev., Feb. 1, 1946. p. 18-20. 284.8 F31P

23046 HEADY, E. O. Land, labor, capital; which contributes most to Iowa farm income? Iowa Farm Econ. 12(2): 8-10, 11. Feb. 1946. 275.28 Ie92

23047 WILKEN, C. H. Every farm & ranch dollar means seven for national income. N. Mex. Stockman 11(2): 55; (3): 46-48. Feb., Mar. 1946. 49 N462

Inflation

23048 ALLEN, W. H. Deflating the farmer. N. J. Farm and Gard. 17(3): 8. Mar. 1946. 6 G162

23049 GREEN, P. L. Is inflation coming? Ohio Farm Bur. News 25(8): 15, 30. Mar. 1946. 6 Oh34  
Effect upon agriculture.

Insurance

23050 CHESEBROUGH, B. Backlog for better living. Successful Farming 44(3): 72-73. Mar. 1946. 6 Sul2  
Life insurance.

23051 FALK, I. S., and COHEN, W. J. Social security for farm people. J. Farm Econ. 28: 84-96. Feb. 1946. 280.8 J822

23052 GAY, C. Will emphasize insurance benefits; farm bureau cos.' agents celebrate N. Y. anniversary. Cooperator 9(4): 7. Feb. 18, 1946. 280.28 C7852

23053 HORTON, C. C. Security in life insurance. Ohio Farm Bur. News 25(8): 10. Mar. 1946. 6 Oh34

23054 KING, V. V. New fire and tornado insurance company has started operations. Hoosier Farmer 31(3): 6. Mar. 1946. 280.82 H76

Farm Bureau Fire and Tornado Insurance Company.

23055 PARSONS, K. H. Social security for farm people. J. Farm Econ. 28: 97-110. Feb. 1946. 280.8 J822

23056 PAUL, H. Workman's Compensation Act saves farmers from accident liability. Ohio Coop. 5(12): 8. Feb. 15, 1946. 280.28 Oh32

23057 RAMSEY, L. M. Farm Bureau Life Insurance Company celebrates tenth anniversary. Ohio Coop. 5(12): 3. Feb. 15, 1946. 280.28 Oh32

23058 VALGREN, V. N. Historical sketch of farmers' mutual fire insurance. Mutual Ins. J.-News 41(3): 7-15. (To be cont.) Mar. 1946. 284.68 M982

23059 WALL, N. J. Discussion of papers on social security for farm people. J. Farm Econ. 28: 110-113. Feb. 1946. 280.8 J822

Taxation

23060 AGER, B. Självdeklarationen; råd och upplysningar inför den 15 februari. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 16(4): 1, 10-11. Jan. 26, 1946. 11 J762

Directions for making farm income tax returns in Sweden.

23061 FRENCH, G. H. Talk poultry tax. New England Homestead 119(5): 35. Mar. 9, 1946. 6 N442

23062 GALINDO HERRERA, I. Impuestos a la agricultura: Estado de Nayarit. Mex. Dir. de Econ. Rural. B. Mens., No. 237, p. 63-74. Feb. 1946. 254.5 Ag83

23063 GUINN, B. L. Valuing your goats [for taxation purposes]. Amer. Dairy Goat News 7(9): 3-4. Mar. 1946. 40.18 Am34

23064 JØRGENSEN, H. Om brugsforeningernes beskæftning. Andelsbladet 47: 174-178. Feb. 7, 1946. 280.28 An2

Taxation of cooperative organizations in Denmark.

23065 JUDY, W. Dog breeding and income tax. Dog World 31(2): 3. Feb. 1946. 48.8 D672

23066 KHINGELMOSE, K. Andelsmejeriernes skattepligt. Andelsbladet 47: 131-133. Jan. 31, 1946. 280.28 An2

Taxation of cooperative creameries.

AGRICULTURAL LABOR AND WAGES

23067 A., J. C. Foraarsharvning af kløverfrømarkerne [Spring harrowing of clover seed fields]. Tidsskr. for Frøavl 17: 163-164. Apr. 10, 1945. 61.8 T43

Time and motion studies.

23068 ATTEBERY, J. Mexican labor---aspects of handling it. Sugar Beet 6(2): 28-29. Mar. 1946. 66.8 Su34B

23069 BUTZ, V. Farmers strike against strikes! Who started it, where it began, will it spread? Prairie Farmer, Ill. Ed. 118(4): 1, 54. Feb. 16, 1946. 6 P883B

23070 CALIFORNIA. STATE CHAMBER OF COMMERCE. RESEARCH DEPT. Selected sources of salaries and wages paid to civilian residents of California counties - 1944. Calif. State Chamber Com. Res. Dept. Econ. Survey Ser. 1945-46, Rpt. 38, 1 p., processed. n. p., 1946. 252.09 C129

Includes wages from agriculture.

Library also has Reports No. 33-37, giving figures for 1939-1943, respectively.

23071 CLAY, H. J. Labor conditions in peanut-producing areas will greatly affect extent of peanut acreage to be planted this season. Peanut J. and Nut World 25(5): 23-24. Mar. 1946. 77.8 P313

23072 ENGINE, S. A. Review of papers on farm work simplification. J. Farm Econ. 28: 337-340. Feb. 1946. 280.8 J822

23073 GOMES, P. A escassez de braços. Campo [Rio de Janeiro, 16(191): 49-50. Nov. 1945. 9.2 C15

23074 HARALDSSON, A. Kortare arbetstid för ladugårdsarbete. Försök och Forskning 2: 165-167. Nov. 1945. 11 F77

Time and motion study.

23075 HARDIN, L. S., and CARTER, R. M. An analysis of work simplification research methods and results. J. Farm Econ. 28: 320-330. Feb. 1946. 280.8 J822

23076 HENDERSON, J. Foreign labour in the United States during the war. Internatl. Labour Rev. 52: 609-631. Dec. 1945. 283.8 In8  
Includes agricultural labor.

23077 HERVEY, J. D. A kingdom for a hired hand. Successful Farming 44(3): 21, 42, 44. Mar. 1946. 6 Sul2

Labor requirements in agriculture.

23078 KAMMACHER, E. Fin du service actif et protection des fermiers. J. d'Agr. Suisse 67(42): 1. Oct. 20, 1945. 17 J82

Farm labor and returning veterans.

23079 KLEIN, G. T. Labor saving points. (Extracts.) N. J. Farm and Gard. 17(3): 45. Mar. 1946. 6 G162

In poultry raising.



- 23080 MCWILLIAMS, C. Poverty follows the crops. *Nation* 162: 343-344. Mar. 23, 1946. 280.8 N215  
Problem of seasonal farm labor.
- 23081 MOSER, R. E. Farm labor. Northeast. *Poultryman* 44(5): 33. Nov. 1945. 47.8 N44
- 23082 PORTER, E. I. Farm and ranch experiences; handling Mexican laborers. *Mont. Farmer* 33(13): 7, 37. Mar. 1, 1946. 6 M764
- 23083 PROCTOR, R. E. Extension use of farm work simplification. *J. Farm Econ.* 28: 314-319. Feb. 1946. 280.8 J822
- 23084 PRY, P. The farmer and organized labor. *Calif. Fruit and Veg. Rev.* 6(12): 22, 49, 51, 53. Mar. 1946. 80 C1224
- 23085 SCHMITT, I. H. VFW showed value of farm experience for urban youth. *Ext. Serv. Rev.* 17(2): 29. Feb. 1946. 1 Ex892Ex  
Victory Farm Volunteers.
- 23086 SHAKHANOV, G. Organizatsiya truda i uchet urozhaya pri individual'noy sdel'shchine. *Kolkhoz. Proizvod.* 5(8/9): 11-12. Aug./Sept. 1945. 281.8 K83  
Work management estimates of crop yields under individual accomplishment system.
- 23087 STEAD, H. W. Young Natal joins the soil salvation army; schoolboys in land service. *Farmer [Pietermaritzburg]* 34(51): 13. Dec. 21, 1945. 24 F227
- 23088 SWANSON, D. W. J. Rhythm is our business. *Farmers Weekly [London]* 24(3): 34, 35. Jan. 18, 1946. 10 F2226  
Labor economy on the small mixed farm.
- 23089 THOMPSON, C. Y. Farmer strike a failure. *Nebr. Farmer* 88(4): 47. Feb. 16, 1946. 6 N27
- 23090 YOUNG, E. C., and BIERLY, I. R. The future of farm work simplification research. *J. Farm Econ.* 28: 331-337. Feb. 1946. 280.8 J822
- AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS
- 23091 ÅKERBERG, E., and GRANSTRÖM, A. Norr-ländska jordbruksproblem (Agricultural problems in Norrland). I-II. *K. Lantbruksakad. Tidskr.* 84: 327-357. 1945. 104 Sw3  
English summaries.
- 23092 ADJUSTMENTS in southern agriculture with special reference to cotton. *J. Farm Econ.* 28: 341-379. Feb. 1946. 280.8 J822  
Report prepared by a special committee of the American Farm Economic Association, Joseph Ackerman, chairman.
- 23093 AGRICULTURA y ganadería en la Provincia de Talca, Chile. *Campeño [Santiago]* 77: 713-715. Dec. 1945. 9.3 Sol2
- 23094 ANDRIEU, E. C. Orientación ruralista. *Buenos Aires y La Pampa*, No. 83, p. 40-42, 44. Dec. 1945. 9 B868
- 23095 ANTHONY, E. L. As I see the future of agriculture. *Hoard's Dairyman* 91: 197, 215. Mar. 10, 1946. 44.8 H65
- 23096 AUSTRALIA. COMMONWEALTH FOOD CONTROL. Supplementary report on the progress of agricultural production, December, 1945, 21 p., processed. Melbourne: 1945. 271 C73  
The crop and livestock situation.
- 23097 BANK OF NOVA SCOTIA. Canadian agriculture and world food needs. *Bank Nova Scotia. Monthly Rev. (n. s.)* No. 4, 4 p. Feb. 1946. 280.9 B223  
Planning of Canadian agriculture in the light of world needs.
- 23098 BONILLA MARÍN, G. El paro y la reorganización de la economía y la agricultura. *Rancho 2* (4): 23. Feb. 1946. 8 R15R  
Mexican situation.
- 23099 BRIGGS, F. A. Organize West Texas agriculture. *Farm and Ranch* 65(3): 36. Mar. 1946. 6 T31  
Agricultural program of West Texas Chamber of Commerce.
- 23100 BRINKLEY, H. L. Annual message of National Council of Farmer Cooperatives, president. *Mulaid News* 23(10): 4-7, 21-23. Feb. 1946. 47.8 N917  
On cooperatives and agricultural policy.
- 23101 BRUCT, R. A agricultura na Grã-Bretanha. *Campo [Rio de Janeiro]* 16(192): 15. Dec. 1945. 9.2 C15
- 23102 BRUYN, A. G. M. Efficient production. *Canad. Countryman* 35(6): 37-38. Mar. 16, 1946. 7 C833  
Production policy for world agriculture.
- 23103 CÂMARA, L. Reflexos da guerra na economia catarinense. *Brazil. Min. do Trab., Indús. e Com. B.* 12(133): 144-157. Sept. 1945. 255.3 B737A  
Agriculture is discussed, p. 149-153.
- 23104 CASE, J. F. Amazed at Europe's crops. *Mo. Ruralist* 87(4): 10. Feb. 23, 1946. 6 R8891
- 23105 CLAUSEN, L. R. Problems which face industry also affect agriculture's future. *Natl. Live Stock Prod.* 24(6): 18. Mar. 1946. 280.38 N21
- 23106 COINER, M. S. The Uluu River Basin--Honduras. *Agr. in the Americas* 6: 60, 59. Mar. 1946. 1 F752  
Includes agriculture.
- 23107 COLE, D. S. Business conditions in Mexico in 1945. *Com. Intel. J.* 74: 161-166. Feb. 23, 1946. 286.2 C16  
Agriculture, p. 162-163.
- 23108 CONDR, G. E. Industrial Nebraska in outline. *Nebr. Conserv. B.* 28, 80 p. Lincoln, 1945. 279.9 N272B  
Much of this bulletin deals with agriculture and the food industries.
- 23109 CUNEO, L. R. La autonomía del derecho rural y su influencia en los problemas del campo. *Buenos Aires y La Pampa*, No. 83, p. 38-39. Dec. 1945. 9 B868
- 23110 DONOSO, A. Necesidades de la agricultura regional. *Campeño [Santiago]* 77: 709-710, 715. Dec. 1945. 9.3 Sol2  
Chile.
- 23111 DU PLESSIS, I. P. J. Smoothing the curve of agricultural production. *Farmer's Weekly [Bloemfontein]* 70: 1249. Jan. 16, 1946. 24 F225
- 23112 EASTERBROOK, L. F. Britain shared pre-war farming honors with Australia. *Farmer and Settler* 40(48): 10. Dec. 24, 1945. 23 F226
- 23113 ELFAZER, J. M. South Carolina plans 1946 farm progress. *Prog. Farmer, Car.-Va. Ed.* 61(3): 14. Mar. 1946. 6 P945
- 23114 ESKELAND, A. Driftsvilkår og driftsresultater under krigen, sett i samband med førkrigstida. *Tidsskr. for det Norske Landbr.* 52: 264-271. Dec. 1945. 11 T433  
Norwegian agriculture during the war.
- 23115 FEISST, E. Gegenwarts- und zukunfts-aufgaben der schweizerischen agrarpolitik. *Landw. Jahrb. der Schweiz* 59: 561-572. 1945. 17 L23
- 23116 FEISST, E. Tâches actuelles et futures de la politique agricole suisse. *Landw. Jahrb. der Schweiz* 59: 869-879. 1945. 17 L23
- 23117 FLANNAGAN, J. W. Congress and the farmer. *Nation's Agr.* 21(1): 7, 17. Jan. 1946. 280.92 B89
- 23118 FORSTER, G. W. Looking ahead with the farmer. *Res. and Farming. [N. C. Sta.] Prog. Rpt.* 4(2): 1-2. Jan. 1946. 100 N81R
- 23119 GUSLER, G. The farm outlook for 1946; another good year appears to be assured. *Farmer [St. Paul]. Dak. Ed.* 64(1): 6, 16-17. Jan. 5, 1946. 6 F221LD
- 23120 HALL, H. W. Must farmers restrict output? *Dairyland News* 16(1): 4. Jan. 14, 1946. 280.28 W752
- 23121 HOPKIN, J. V. Food production goals outlined by Utah AAA chairman. *Utah Farmer* 65(14): 3, 22. Mar. 10, 1946. 6 D45



23122 HOPKINS, J. A. Mexico and the United States report on agricultural progress. Agr. in the Americas 6: 54-56. Mar. 1946. 1 P752

On the Mexican-United States Agricultural Commission.

23123 KENNEDY, C. J. An extension worker looks to the future. Agr. Leaders' Digest 27(2): 30-31. Feb. 1946. 275.28 am3

Agricultural program.

23124 KIRCHER, W. H. Denmark. Farmer [St. Paul], Dak. Ed. 63(19): 1, 18-19; (20): 1, 22-24. Oct. 6, 20, 1945. 6 F2211D

Articles No. 8 and 9 of a series.

Chiefly on agriculture and livestock.

23125 KOL', M. Sel'skoe khoziafstvo i polozhenie krest'ianstva v osvobodzhdennoi Frantsii [Agriculture and the condition of the peasantry in liberated France]. Mirov. Khoz. i Mirov. Polit., No. 8, p. 62-66. Aug. 1945. 280.8 M67

23126 LINDSAY, M. Ten years of "labour"; how has the farmer fared? Straight Furrow 5(2): 39. Dec. 15, 1945. 281.8 St8

Agriculture under New Zealand's Labour Government.

23127 MONTGOMERY, J. P. Farmers' prospects for 1946. La. Rural Econ. 8(1): 2-3. Feb. 1946. 281.8 L93

23128 MOORE, J. Home again to an improved countryside [rural England]. Field 187: 124. Feb. 2, 1946. 10 F45

23129 MYERS, W. I. Reconversion of agriculture. Dairymen's Price Rptr. 28, 1. e. 30(2): 9. Feb. 1946. 280.28 D14

23130 NESTOR, M. S. National planning. II. Straight Furrow 5(2): 11. Dec. 15, 1945. 281.8 St8

23131 NEVELING, C. H. A New Year's message: produce more food. Farming in So. Africa 21: 5-6. Jan. 1946. 24 So842

23132 OLEY, W. W. This Garden State of ours. N. J. Farm and Gard. 17(3): 18. Mar. 1946. 6 G162

New Jersey agriculture.

23133 PIGULEVSKAYA, E. Korea. Mirov. Khoz. i Mirov. Polit., No. 10, p. 70-76. Oct. 1945. 280.8 M67

Includes agriculture in Korea.

23134 POND, G. A. Minnesota production outlook. Part II. Markets 13(51): 5. Jan. 31, 1946. 280.38 M343

Outlook for various crops.

23135 THE reconstruction of European agriculture; complicated problems slow revival. Fed. Reserve Bank Chicago. Business Cond., Jan. 1946, p. 1-3. 284.8 F31Ch

23136 HITCHIE, A. B. The first four reports of the Rural Reconstruction Commission [Australia]. Econ. Rec. 21: 165-173. Dec. 1945. 280.8 Ec74

Reviews the program set forth in the reports.

23137 RORTY, J., and NORMAN, N. P. We cracked the food atom, too. Ohio Coop. 5(12): 5. Feb. 15, 1946. 280.28 Oh32

Urges cooperatives to back certain farm programs.

23138 SANCHEZ BUEDO, E. Por los campos de los paises ayer en guerra. Surco [Madrid] 4(45): 9-12. Nov. 1945. 15 Su7

On British agriculture.

23139 SCHULTZ, T. W. Changes in economic structure affecting American agriculture. J. Farm Econ. 28: 15-27. Feb. 1946. 280.8 J822

Considers whether agriculture is declining and whether more Government participation is needed.

23140 SCOTLAND'S drift to the land; a new year miscellany from the Northeast where small-holdings are in demand and some lairds have waiting lists of prospective tenants from the towns. By Aberdeenshire. Farmers Weekly [London] 24(1): 29. Jan. 4, 1946. 10 F2226

23141 SCOTTISH agriculture in war time. Scot. J. Agr. 25: 230-237. (Concl.) Jan. 1946. 10 So823o

23142 SKOTT, H. E. Farming in occupied Germany. Hoard's Dairyman 91: 144. Feb. 25, 1946. 44.8 H65

Illustrations with accompanying text.

23143 SKOVGAARD, K. Landbruget i 1945. Tidsskr. for Landøkonomi, No. 1, p. 1-43. Jan. 1946. 11 T43

Danish agriculture in 1945.

23144 STEVENS, E. Co-operation is the secret; feed dealers, farmers and town merchants benefit from a sound farm program. Feedstuffs 18(3): 10-11. Jan. 19, 1946. 286.81 F322

23145 THOMPSON, C. T. Today's need is more production. Nebr. Farmer 65(5): 47. Mar. 2, 1946. 6 M27

23146 TIMELY information for Washington Farmers, No. 52, 28 p. Feb. 1946. 275.29 W27T

Partial contents: Business outlook, by E. F. Dummer, p. 2-4; Wheat, by R. M. Turner, p. 4-6; Dry field peas, by R. M. Turner, p. 6; Fruits, by M. T. Buchanan, p. 7-9; Truck and processing crops, by W. M. Bristol, p. 9-12; Dairying, by R. M. Turner, p. 12-15; Poultry and eggs, by A. J. Cagle, p. 15-17; Beef cattle and feed, by A. W. Peterson, p. 17-18; Hogs, by C. H. Zuroake, p. 18-19; Sheep and wool, by W. F. Ehlers, p. 19-20; Progress in economic land use classification and related research projects, by B. D. Parrish, p. 20-21; Farm business survey, by A. W. Peterson, p. 21-24; Intelligence of rural children by economic land use class, by H. M. Cushing, p. 24-26.

23147 TOLLEY, H. R. What can farmers do to help? Flour & Feed 46(10): 9-10. Mar. 1946. 298.8 F66

23148 TRIPLETT, J. F. Grain man points to problems that farmers must solve. Prod.-Consum. 11(7): 5. Feb. 1946. 280.28 P942

23149 TRUMAN, H. S. America's agricultural program. Ayrshire Digest 32(2): 5, 55. Feb. 15, 1946. 43.8 Ay7

From his "State of the Union" message to Congress.

23150 TURNBULL, R. Diagnosing the present administration's farm policy. Impl. and Tractor 61(1): 42-43, 110, 113. Jan. 12, 1946. 58.8 W41

23151 TURNER, J. Golden opportunities of 1946 for agriculture. Farmer & Stock-Breeder 60: 161-162. Jan. 22, 1946. 10 F228

23152 VAN TIGHEM, C. J. Economic conditions in Peru. Com. Intel. J. 74: 181-186. Mar. 2, 1946. 286.8 G16

Agriculture, p. 181-184.

23153 VARNEY, H. R. Outlook for Vermont farming as a contribution to New England prosperity. North. Farm News 8(10): 6-7. (Cont.) Jan. 1946. 280.28 N815

23154 WALSTON, H. It cannot survive; the outlook for French agriculture is not bright. Methods are slow and old-fashioned; produce of poor quality and enormously expensive. Farmers Weekly [London] 24(1): 27. Jan. 4, 1946. 10 F2226

23155 THE WAR and the agriculturist. Scot. J. Agr. 25: 188-203. Jan. 1946. 10 So823o

I. The landowner, by Sir J. H. M. Home; II. The farmer, by J. Keith; III. The farm worker, by J. F. Duncan.

23156 WILKEN, C. American agriculture is analyzed by expert. West. Live Stock 31(7): 10, 58-59, 62. Feb. 1946. 49 W523

23157 WILLIS, N. R. Agricultural frontiers in Australia. N. S. Wales. Dept. Agr. Div. Mktg. and Agr. Econ. Rev. Mktg. and Agr. Econ. 14(1): 5-10. Jan. 1946. 286.8 N47M

23158 WILSON, G. H. "Looking ahead with agriculture," talk given at the Farm Bureau meet. Utah Farmer 65(14): 16-17, 23. Mar. 10, 1946. 6 D45

23159 WILLIE, K. H. Ecuador's agriculture and the war. Foreign Agr. v. 10, p. 18-32. Feb. 1946. 1.9 Ec7For



23160 WYLIE, K. H. Effect of war on Panama's agriculture. *Agr. in the Americas* 6: 43-46. 56. Mar. 1946. 1 F752

#### Agriculture, Postwar

23161 BROWNLEE, J. E. Agriculture in the post-war world. *Country Guide* 65(2): 35-36. Feb. 1946. 7 G76

23162 CRICKMAN, C. W. Postwar agricultural problems in the Corn Belt. *J. Farm Econ.* 28: 243-260. Feb. 1946. 280.8 J822

23163 GRILES, W. E. Postwar agricultural problems in the Great Plains area. *J. Farm Econ.* 28: 235-242. Feb. 1946. 280.8 J822

23164 HORNER, J. K. Postwar economic problems. *Amer. Nurseryman* 83(6): 13-14, 53-58. Mar. 15, 1946. 80 Am371

23165 JESNESS, O. B. Postwar agricultural policy - pressure vs. general welfare. *J. Farm Econ.* 28: 1-14. Feb. 1946. 280.8 J822

23166 MYERS, W. I. Postwar agriculture. *Canning Trade* 68(31): 30. Feb. 25, 1946. 286.83 T67

23167 FOND, G. A. Postwar production costs must be cut; part I. *Markets* 13(50): 5. Jan. 24, 1946. 280.38 M743

Farming adjustments needed.

23168 WILCOX, W. W. Discussion of papers of postwar agricultural problems. *J. Farm Econ.* 28: 264-266. Feb. 1946. 280.8 J822

#### Subsidies

23169 ANDRADE, T. DE. A subvenção de 3 centavos. *ONC; Rev. do Dept. Nac. do Café, Brasil*, 25: 605-606. Nov. 1945. 286.83 D44  
On coffee.

23170 BRANDT, J. Subsidies are the road leading to breakdown of democracy. (Excerpts.) *Com. West.* 91(10): 12. Mar. 9, 1946. 286.8 C733

23171 BROWNE, L. C. The subsidy "system." *Straight Furrow* 5(2): 21. Dec. 15, 1945. 281.8 St8

23172 DRUMMOND, W. M. Government subsidies. *Canad. Countryman* 35(4): 37-38. Feb. 16, 1946. 7 C833

23173 MCINTYRE, E. R. Dairy production payments up-to-date. *Hoard's Dairyman* 91: 206. Mar. 10, 1946. 44.8 H65

23174 O'NEAL, E. A. U. S. should get out of grocery business, end artificial prices. *Natl. Live Stock Prod.* 24(6): 15. Mar. 1946. 280.38 N21  
Statement on removal of consumer food subsidies.

#### COST AND STANDARD OF LIVING

23175 ECCLES, D. Cheap food means low wages. *Farmer & Stock-Breeder* 60: 115. Jan. 15, 1946. 10 F228

23176 SINGH, L., and SINGH, A. Family budgets, 1939-40, of thirteen cultivators in the Punjab. *Punjab. Bd. Econ. Inq. P.* 86, 63 p. Lahore, 1945. 281.9 In2

#### FARM MANAGEMENT AND LAND ECONOMICS

23177 AGENDA des agriculteurs et des industries agricoles, 52, 1946, 160 p. Lyon, 1945? 14 Ag33  
A compendium of farming advice and methods.

23178 AGENDA des agriculteurs et des viticulteurs, 52, 1946, 184 p. Lyon, 1945? 14 Ag3  
Farming methods.

23179 BLACK, J. J. Setting up a smallholding [in Great Britain]. *Field* 187: 276. Mar. 9, 1946. 10 F45

23180 BROWN, M. Farm things you find out for yourself. *Poultry Farmer* [London], 114(2953): 4. (To be cont.) Jan. 25, 1946. 47.8 F312  
On the small farm.

23181 BURTON, F. It's a busy life; planning for the tasks that make up the poultryman's day. *Poultry World* 78: 37. Jan. 18, 1946. 47.8 P8682

23182 CAMPBELL, B. A. Economic land classification as applied to eastern Canada. *Econ. Annal.* 16 (1): 12-17. Feb. 1946. 280.8 Ec75

23183 CAVERT, W. L. Research work in minimum financial requirements and some related considerations for beginning farming. *J. Farm Econ.* 28: 126-133. Feb. 1946. 280.8 J822

Problems such as cost and credit.

23184 CHAMBERLAIN, H. DEO. Studies in farm management. *New Zeal. J. Agr.* 72(1): 27-32. Jan. 15, 1946. 23 N485

23185 CUSHMAN, C. G. Land use in dairy cattle nutrition. *Guernsey Breeders' J.* 69: 357-359. Feb. 15, 1946. 43.8 G93

Concerning management on a dairy farm.

23186 D., A. S. Back to the farm. *Rural New-Yorker* 105: 235. Mar. 16, 1946. 6 R88

23187 DARRAH, L. B., and BRUCKNER, J. H. Chicken farming--what does it offer? *Everybodys Poultry Mag.* 50(10): 6-7, 26-27. Nov. 1945. 47.8 F213P

23188 DE WAAL, P. E. Farming is a business. *Farming in So. Africa* 21: 6-7. Jan. 1946. 24 S842

23189 DOLOTOV, I. Puti rentabel'nosti khoz'f'stva. *Sovkhoz. Proizvod.* 5(8/9): 3-7. Aug./Sept. 1945. 20 S885

Methods of management on the State Farm "Gorniak" No. 1 in the Stalin region resulted in decreased cost of production.

23190 FALCIONI, A. C. Condiciones de un campo para ganaderia. *Buenos Aires y La Pampa*, No. 83, p. 36-37. Dec. 1945. 9 B868

23191 FARMERS in fatigues. *Monsanto Mag.* 25(1): 18-21. Feb. 1946. 309.8 M75

Farming on The Quartermaster Philippine Farm.

23192 FERRÃO, V. A. A. Abastecimento da capital. *Campo, Rio de Janeiro*, 16(192): 68. Dec. 1945. 9.2 C15

A program for the farm.

23193 FISACKERLY, R. H. Farm management as a supervised practice. *Agr. Ed. Mag.* 18: 170. Mar. 1946. 275.8 Ag8

23194 FRANCIS, M. A peacetime must for dealer and farmer: good management. *Feedstuffs* 18(3): 52-53. Jan. 19, 1946. 286.81 F322

23195 FRY, J. E. Increase beef output and maintain soil through a province-wide [British Columbia] mixed farm. *Country Life* [British Columbia], 29, i. e. 30(12, i. e. 2): 15. Feb. 1946. 7 C832

23196 GOODCHILD, C. Buy [rabbits] at \$4 each. *Poultry Farmer* [London] 114(2955): 11. (To be cont.) Feb. 8, 1946. 47.8 F312

Second article in the series "Starting Without Capital."

23197 GOODCHILD, C. Rabbits; how ex-servicemen can start without capital. *Poultry Farmer* [London] 114(2954): 11. (To be cont.) Feb. 1, 1946. 47.8 F312

23198 GORDON, O. V. Retired; takes up poultry. *Amer. Poultry J., Cent. Ed.* 77(3): 4, 49-50. Mar. 1946. 47.8 Am32

23199 GROVER, I. Balanced ranching in Big Valley, California. *Soil Conserv.* 11: 202-206. Mar. 1946. 1.6 S339

23200 GROVES, E. R. One man's farm. *Breeder's Gaz.* 111(3): 14. Mar. 1946. 49 B74

23201 HADFIELD, W. V. Planning operations on a mixed cropping farm. *New Zeal. J. Agr.* 72(1): 37-47. Jan. 15, 1946. 23 N485

23202 HILL, E. B. Pitfalls of partnership; suggestions to veteran who wants to farm that may help him avoid difficulties and disappointment in operating the home farm with his dad. *Capper's Farmer* 57(3): 10, 38. Mar. 1946. 6 M693



23203 HURD, A. Progress at Goodings. Country Life [London] 99: 445. Mar. 8, 1946. 80 C83  
Farm management.

23204 JENKINS, C. L. I choose to be a farmer. Mo. Ruralist 87(4): 10. Feb. 23, 1946. 6 R8891

23205 JONES, C. D. For those who plan to keep turkey flocks for egg production, here is adequate proof that good management pays. Turkey World 20 (12): 26. Dec. 1945. 47.38 T84

23206 KOSTENKO, I., and LYCHAGIN, I. K dovoen-nomu urovniu v dva goda. Sovkhoz. Proizvod. 5(10): 4-8. Oct. 1945. 20 So85

Reconstruction of State dairy farms in the Lenin-grad region.

23207 KUTISH, F. A. It's unique ... The Iowa State College Agricultural Foundation. Iowa Farm Econ. 11(12): 8-12, 16. Dec. 1945. 275.28 Ie92  
Demonstrations in farm management.

23208 MCMUNN, E. W. For father-son partnerships be sure there's enough income to divide. Ohio Farmer, Consolidated with Ohio Stockman and Farmer 197(4): 5. Feb. 16, 1946. 6 Oh3

23209 MALONE, C. Postwar extension problems in farm management. J. Farm Econ. 28: 213-226. Feb. 1946. 280.8 J822

23210 MORSE, T. D. How to farm this year. Nation's Agr. 21(2): 6, 11. Feb. 1946. 280.82 B89

23211 NEEL, L. R. The Old World in our midst. South. Agr. 76(3): 16. Mar. 1946. 6 So83  
Farming by the Amana Colony in Iowa.

23212 PENZHORN, K. E. W. A responsibility that rests on the farmer; correct methods of farming. Farmer [Pietermaritzburg] 34(51): 7. Dec. 21, 1945. 24 F227

23213 PHILLIPS, H. L. Rehabilitation of hold-ings in south-eastern Manchester. Jamaica Agr. Soc. J. 49: 219-220. Oct./Dec. 1945. 8 J223

23214 PICKETT, C. I. The [Donald] Agars; they built a rounded life. Nation's Agr. 21(2): 5, 20. Feb. 1946. 280.82 B89

Describes the successful management of a farm.

23215 POWELL, H. Missouri shows the rest of us; a balanced farming system coordinates the management of soil, water, crops and livestock to bring improved family living. Country Gent. 116(3): 18-19, 80-82. Mar. 1946. 6 C833

23216 READ, H., and PENNINGROTH, L. P. Plans for a happy future: the young man for active farming; the older man for a productive retirement. Successful Farming 44(3): 26-27, 52, 54, 56, 58. Mar. 1946. 6 Sui2

23217 RICKARD, J. A. College farmer. Farm and Ranch 65(2): 16, 21. Feb. 1946. 6 T31

J. C. Brown combines teaching with poultry farming.

23218 RICKARD, J. A. Design for a dream farm. Farm and Ranch 65(3): 3-4, 62. Mar. 1946. 6 T31

23219 SAKSHAUG, B. Oversikt over gårdsdrifta m. m. 1945 på beiteforsøksgården Apelsvoll. Tidsskr. for det Norske Landbr. 52: 272-277. Dec. 1945. 11 T433

Management of experimental farm in Norway.

23220 SERRATS URQUIZA, S. Problemas de la gran explotación; dirección técnica y organización. Agri-cultura [Madrid] 14: 627-632. Dec. 1945. 15 Ag84

23221 TAYLOR, F. J. Keeping the kids on the farm; the seven Giacomini boys have "something worth more than a fortune" in dairy partnerships with dad. Country Gent. 116(3): 28, 78-79. Mar. 1946. 6 C833

23222 THIS question of capital; how much will the beginner need? by "The Fenman." Poultry [London] 98: 121. Feb. 19, 1946. 47.8 P869

23223 TVETOV, I. A. O trudoljubii i zashitoch-nosti. Kolkhoz. Proizvod. 5(8/9): 13-15. Aug./Sept. 1945. 281.8 K83

Able management of the "Pervye shagi" collective farm in the Gor'kii Region resulted in prosperity for farm workers.

23224 VIRDEN, H. He paid 77c tax on 73 acres. Wallaces' Farmer and Iowa Homestead 71: 197. Mar. 2, 1946. 6 W15

Story of a Henry County, Iowa, farm from 1841.

23225 WALKER, A. Self-subsistence holdings; how I started my Cumberland holding. Poultry Farmer [London] 114(2952): 4. (To be cont.) Jan. 18, 1946. 47.8 F312

#### Bookkeeping and Records

23226 GROVES, W. F. Keeping farm records. Dairyland News 16(2): 7. Jan. 26, 1946. 280.28 W752

23227 SIMMONS, C. She keeps books on rabbits. Pacific Rural Press, South. Ed. 151: 139. Feb. 16, 1946. 6 P112A

#### Cost of Production

23228 AMARAL, J. D. O custo da produção do melão, do tomate e do pimento no Ribatejo. Portugal. Junta Nac. das Frutas. B. 5(4): 21-36. (Cont.) Apr. 1945. 286.3939 P83

23229 ANTUNES, F. D. Hortas da várzea de Loures. Portugal. Junta Nac. das Frutas. B. 5(4): 37-41. (Cont.) Apr. 1945. 286.3939 P83

Production costs under irrigation.

23230 ARGOOD, R. T. How breeding affects chick profits, and what you can do about it. Checkerboard News 8(2): 4-5. Feb. 1946. 389.78 C41

23231 ASHTON, C. D. Five acres beats a gold mine. Utah Farmer 65(14): 8, 11. Mar. 10, 1946. 6 D45

Fruit production costs and returns on a small farm.

23232 BAUMER, W. Audiatur et altera pars! Buenos Aires y La Pampa, No. 83, p. 18-23. Dec. 1945, 9 B868

Costs and returns for Argentine farming, particu-larly grain production, and requirements for an agri-cultural policy.

23233 BENVENIGNI, L. A quel prix le producteur devrait-il vendre l'eau-de-vie de marc 1944 pour récupérer fr. 0,02 par litre de moût? Rev. Romande d'Agr., de Vitic. et d'Arbor., No. 2, p. 6. Feb. 1945. 17 J82A

23234 HENRY, B. J. Goat economics. Amer. Dairy Goat News 7(9): 9, 11, 13. Mar. 1946. 40.18 Am34

23235 JUDKINS, W. P. Cultural methods influence strawberry production costs. Hoosier Hort. 28: 19-21. Feb. 1946. 81 In2H

23236 LOWE, C. D. Wartime feed costs now need adjustment. Natl. Live Stock Prod. 24(6): 25. Mar. 1946. 280.38 N21

23237 MOORE, F. E. Records show turkeys to be profitable farm crop in 1945. Feedstuffs 18(3): 54-55. Jan. 19, 1946. 286.81 F322

23238 OSGOOD, G. Turkeys as a side line in mixed farming. Checkerboard News 8(2): 18-19. Feb. 1946. 389.78 C41

Chiefly costs and returns.

23239 REZENDE, A. V. O custo da produção da batata na Veiga de Chaves. Portugal. Junta Nac. das Frutas. B. 5(5): 25-34. May 1945. 286.3939 P83

23240 SAVAGE, Z. Fruit costs and returns higher. Fla. Grower 54(3): 10-11. Mar. 1946. 80 F6622

23241 SCHWEIZERISCHES BAUERNSEKRETARIAT. Rentabilität in der schweizerischen landwirtschaft im erntejahr 1943/1944. Pt. I. Landw. Jahrb. der Schweiz 59: 271-329. 1945. (Statistische Schriften, No. 5.) 17 L23

23242 SODERBERG, P. M. Here and down under. Poultry Farmer [London] 114(2953): 8. Jan. 25, 1946. 47.8 F312

Costs and returns on a 1,000-layer farm in England and in Australia.

- 23243 THOMSEN, L. C. Plant operating margins. Milk Dealer 35(5): 50, 52, 54. (To be cont.) Feb. 1946. 44.8 M595  
In the milk industry.
- 23244 WARNER, O. F. Costs of arborists' operations. Amer. Nurseryman 83(5): 11-12. Mar. 1, 1946. 80 Am371

#### Land Settlement and Colonization

- 23245 BOHORQUEZ RUBIO, P. Estudio sobre la colonización del Opón. Tierras y Aguas 7: 133-152. Mar./Apr. 1945. 282.8 T44
- 23246 ELIACHAR, E. The Sefardim in the Yishuv. Palestine Tribune 1(41): 6-8. Nov. 8, 1945. 280.8 P172  
Includes land settlement.
- 23247 FARRELLY, C. Rural resettlement. Land and Home 9(1): 23. Mar. 1946. 281.28 C28
- 23248 HARTNELL, M. Youth goes on the land; history of a successful farm settlement scheme. New Zeal. Farmer Weekly 66(21): 4-5. Dec. 13, 1945. 23 N484
- 23249 ROBERTS, J. Postwar pioneers. Pan Amer. 6(10): 9-11. Mar. 1946. 280.8 P192  
Settlement possibilities in South America.
- 23250 SANCHEZ PEREIRA, B. Regiones colonizables de Venezuela: Omuquena y Morotuto. Agr. Venezol. 10(112): 9-11. Dec. 1945/Jan. 1946. 9.95 Ag8

#### Land Tenure

- 23251 CORREA C., L. H. Como deben hacerse las parcelaciones. Parte II. Procedimiento y organización. Agr. Trop. 1(12): 43-44. Jan. 1946. 26 Ag8
- 23252 HAUGEN, O. I. Fjellbeiter i Oppland. Sel. Tidsskr. for det Norske Landbr. 52: 277-284. (To be cont.) Dec. 1945. 11 T433  
Ownership and utilization of mountain pastures in eastern Norway.
- 23253 HEIZER, J. M. Veterans draw farms. Ohio Farmer 197: 21. Mar. 2, 1946. 6 Oh3  
Determination by lot of farm buyers.
- 23254 HUFSTEDLER, C. How to hold a tenant. Farm and Ranch 65(3): 16, 18. Mar. 1946. 6 T31
- 23255 MOODIE, A. W. S. Matters of moment to dairymen in the post-war world. Austral. Milk & Dairy Prod. J. 12(10): 19-23. Oct. 1945. 44.8 Au72  
Discussion, p. 23, 25.
- Problems of tenancy and share farming in the dairy industry.
- 23256 ZACCUTA, E. Racial land laws in Palestine. Palestine and Middle East 18(1): 6-8. Jan. 1946. 286.8 P172

#### Land Utilization

- 23257 BEAR, F. E. Mapping the land according to capability. Soil Conserv. 11: 175-177. Feb. 1946. 1.6 So3S
- 23258 B., H. F. Clearing brush fields. Rural New-Yorker 105: 187. Mar. 2, 1946. 6 R88

#### Land Values and Valuation

- 23259 AMERICAN BANKERS ASSOCIATION. AGRICULTURAL COMMISSION. History repeats warning of farm land boom. Banking 38(9): 52-53. Mar. 1946. 284.8 Am3  
A series of charts, one for each State.
- 23260 DARRAH, L. B., and BRUCKNER, J. H. Buying a poultry farm. Everybodys Poultry Mag. 50(11): 6-7, 22-24. Dec. 1945. 47.8 F213P
- 23261 HEGNAUER, L. Planning to farm? North-west Farm News 29(8): 2, 3. Feb. 21, 1946. 275.293 N81  
First of a series.  
Chiefly on factors to consider in buying.
- 23262 KLEIN, P. Buying a poultry ranch? Calif. Cult. 93: 121. Feb. 16, 1946. 6 C12

- 23263 LUNDY, G. Land value index misleading. Dakota Farmer 66(4): 16-17. Feb. 16, 1946. 6 D14
- 23264 MOORE, H. R. Recent trends in the farm real estate situation. Ohio Agr. Expt. Sta. Bimo. B. 31(238): 24-26. Jan./Feb. 1946. 100 Oh3S
- 23265 MURRAY, W. G., and BLUM, L. Is the land boom licked? Iowa Farm Econ. 11(12): 14-15. Dec. 1945. 275.28 Io92

#### RURAL SOCIAL ORGANIZATION

- 23266 BAKKEN, I. Country living. Farmer St. Paul, Gen. Ed. 64(5): 28, 35. Mar. 2, 1946. 5 F211
- 23267 H., T. S. Country Life Program held at Farmingdale. Rural New-Yorker 105: 254. Mar. 16, 1946. 6 R88
- 23268 HACCARD, L. R. Letters on country living in Great Britain. Field 187: 195. Feb. 16, 1946. 10 F45
- 23269 MCPHERSON, MRS. H. "Why I like to live off the road." Co-op. Rev. 13(4): 12-15, 34. Mar. 1946. 280.28 P38  
Rural life.

#### Human Ecology

- 23270 BOGGS, S. W. Transportation factors and regional development. World Econ. 3(11/12): 67-76. Oct./Dec. 1945. 280.8 W892
- 23271 BROWN, L. They plan a rural community. Marit. Co-op. 14(2): 4, 7. Jan. 15, 1946. 280.28 M33
- 23272 CLARK, W. C. Proposed "valley authority" legislation. Amer. Polit. Sci. Rev. 40(1): 62-70. Feb. 1946. 280.8 Am3
- 23273 COIL, E. J. National aspects of regional development. World Econ. 3(11/12): 77-89. Oct./Dec. 1945. 280.8 W892
- 23274 COOKE, M. L. Regional development projects abroad. World Econ. 3(11/12): 117-132. Oct./Dec. 1945. 280.8 W892
- 23275 HERRING, MRS. R. J. Middleboro, early landmark. Nebr. Farmer 88(4): 27. Feb. 16, 1946. 6 N27
- 23276 KOPAS, C. R. Look at the little village. Canad. Business 19(3): 62, 78. Mar. 1946. 287 C162  
Opportunities for setting up business in small communities.
- 23277 ODUM, H. W. The assumptions of regional balance. World Econ. 3(11/12): 57-66. Oct./Dec. 1945. 280.8 W892
- 23278 SPROUL, MRS. J. M. Apple butter making. Va. Fruit 34(2): 17. Feb. 1946. 81 V81B  
A community activity.
- 23279 TAYLOR, A. E. Public policy in regional economics. World Econ. 3(11/12): 90-102. Oct./Dec. 1945. 280.8 W892
- 23280 THAIR, P. J. Marketing survey methods adapted to community planning. Econ. Annal. 16(1): 18-19. Feb. 1946. 280.8 Ec75

#### Institutions

- 23281 B., B. R. Smithy on wheels; the farrier in changing times. New Zeal. Farmer Weekly 66(21): 58. Dec. 13, 1945. 23 N484
- 23282 BANE, L. Today's vision is tomorrow's action in home demonstration work. Ext. Serv. Rev. 17: 34-36. Mar. 1946. 1 Ex892Ex
- 23283 BONZI, F. T. La inauguración del hogar social "C. Montefiore." SanCor 3(40): 26. Oct. 1945. 280.28 R322
- 23284 BYRAM, H. M. What does "reconversion" mean as applied to problems of agricultural education. Agr. Ed. Mag. 18: 164. Mar. 1946. 275.8 Ag8



- 23285 CHICANOT, E. L. Rural intermediate colleges. Land and Home 9(1): 16-18. Mar. 1946. 281.28 C28
- 23286 COMPTON, D. Organized centers give youth a "place." Agr. Leaders' Digest 27(2): 38. Feb. 1946. 275.28 Am3  
Recreation.
- 23287 CROSBY, J. College of ag. more than a school. Calif. Cult. 93: 119. Feb. 16, 1946. 6 C12
- 23288 DANIELS, R. Smith-Hughes Act provides for agri education. Ark. Agr. 23(6): 7, 14. Feb. 1946. 276.8 Ar42
- 23289 DAWSON, H. A. Current problems in rural education. Appleblossom 18(8): 6. Feb. 7, 1946. 275.8 Ap5
- 23290 DEERING, A. L. International Extension Service takes form. Ext. Serv. Rev. 17(2): 18-19. Feb. 1946. 1 Ex892Ex
- 23291 DICKERSON, R. B. Keeping apace with progress. Agr. Ed. Mag. 18: 168-169. Mar. 1946. 275.8 Ag8  
In vocational agriculture education.
- 23292 DINKEL, R. M. Factors underlying the location of physicians within Indiana. Amer. Sociol. Rev. 11(1): 16-25. Feb. 1946. 280.8 Am37  
Rural-urban distribution.
- 23293 DORWEILER, L. C., JR. Minnesota farmers rule cities; reapportionment of 1913 still stands despite population growth of urban districts; Supreme Court refuses to act. Natl. Munic. Rev. 35: 115-120. Mar. 1946. 280.8 N21
- 23294 DOUDNA, Q. V. Rural education. Dairy-land News 16(1): 3. Jan. 14, 1946. 280.28 W752
- 23295 DUNK, M. R. Make a vo-ag exhibit; suggestions for preparing and setting up attractive FFA educational displays. Better Farming Methods 18(3): 22-23. Mar. 1946. 58.8 B46
- 23296 DUNN, A. B. Farm women & war. Breeder's Gaz. 111(3): 15, 24. Mar. 1946. 49 B74
- 23297 ELBO, O. Svensk landbrugs store skole-tanke. Landbrugsorganisationerne uddanner selv sine ledere paa "Jordbrukets Föreningsskola."--Fremtidens udvikling skal bygges paa kvalitet. Andelsbladet 47: 75-79. Jan. 17, 1946. 280.28 An2  
Education in vocational agriculture in Sweden.
- 23298 FISACKERLY, R. H. Mississippi teachers teach farmers. Agr. Ed. Mag. 18: 165, 167. Mar. 1946. 275.8 Ag8
- 23299 FRASER, D. E. Getting ready for mufti. Farmer & Stock-Breeder 60: 66. Jan. 8, 1946. 10 F228  
Farm instruction for soldiers.
- 23300 FREDERIKSEN, H. Faelles regler for ungdomskonkurrencer. Tidsskr. for Landøkonomi, No. 12, p. 546-552. Dec. 1945. 11 T43  
Rules for making awards in young farmers' contests.
- 23301 HIGGINS, B., NASON, E., and GALLUP, G. An intensive campaign in agricultural extension. Appl. Anthropol. 4(3): 31-37. Summer 1945. 280.28 Ap5  
Waldo County, Maine.
- 23302 LAMEGO, A. Os fazendeiros de campos, no século passado. XIII-XIV. Brasil Açucareiro 26: 522-523, 620-621. Nov.-Dec. 1945. 65.8 B73
- 23303 L'ARCHEVEQUE-DUQUAY, J. L'éducation de nos jeunes ruraux. Terre de Chez Nous 18(20, 1. e. 19): 11. Feb. 13, 1946. 7 T27
- 23304 LINN, O. M. The cowman then and now, as a veteran range man has known him. N. Mex. Stockman 11(3): 42-43. Mar. 1946. 49 M462
- 23305 M., C. C. Votes for one-room school. Rural New-Yorker 105: 193. Mar. 2, 1946. 6 R88
- 23306 MACARTHUR, K. C. Vermont churches work together. Amer. Agr. 143: 105, 127. Mar. 2, 1946. 6 Am3
- 23307 MCKEOWN, R. The farmer's Bible. Canad. Business 19(3): 44-46, 100-102, 104. Mar. 1946. 287 C162  
The mail order catalog.
- 23308 MATSKEVICH, V. Proizvodstvennoe obucheniye studentov. Sovkhoz. Proizvod. 5(8/9): 7-9. Aug./Sept. 1945. 20 So85  
Training of students in vocational agriculture in the Khar'kov Zootechnical Institut (Khar'kovskii' Zootehnicheskii' Institut).
- 23309 MAXWELL, M. Public health nurse in the rural school. Pub. Health Nurse 38: 69-72. Feb. 1946. 448.8 P96
- 23310 MAYO, S. C. "Johnny didn't pass this year"--rural schools face a major problem. Res. and Farming. [N. C. Sta.] Prog. Rpt. 4(2): 5-6. Jan. 1946. 100 N81R
- 23311 MEYER, W. P. What co-ags should know about extension information; cooperation of county agent can insure getting the facts before the public. Better Farming Methods 18(3): 24-25. Mar. 1946. 58.8 B46
- 23312 MILLER, E. F. A study of farm life as developed in grades 2-3. Amer. Childhood 31(7): 10-13. Mar. 1946. 320.8 Am3
- 23313 MOON, H. Oregonians plan peacetime fair revival. West. Livestock J. 24(17): 36-37, 48. Feb. 15, 1946. 6 F2278
- 23314 MOTT, F. D. About rural health centers. Rural Electrification News 11(6): 6-7. Feb. 1946. 173.2 R88R
- 23315 NEWARK, C. Paying for health service. Iowa Farm Econ. 12(2): 6-7. Feb. 1946. 275.28 Io92
- 23316 NEWARK, C. Where to, in public health? Iowa Farm Econ. 11(12): 6-7, 16. Dec. 1945. 275.28 Io92
- 23317 NICOLA, N. La mujer del campo. SanCor 3(40): 34. Oct. 1945. 280.28 R322  
Country women and cooperative organizations in Argentina.
- 23318 NOBLIN, E. Y. A refresher course for teachers of agriculture. Agr. Ed. Mag. 18: 169. Mar. 1946. 275.8 Ag8
- 23319 O., J. C. Medical care in the country. Va. U. Ext. Div. P. New Dominion Ser. No. 77 p. 1-6. Feb. 1, 1946. 280.9 V814  
Virginia.
- 23320 PARKS, M., and JONES, M. Regional library service in Tennessee. Tenn. Planner 6: 103-109. Feb. 1946. 280.7 T25T
- 23321 PATERSON, J. W. Agricultural education in Australia: with some lessons for ourselves. Highland and Agr. Soc. Scot. Trans. (ser. 5) (1945) 57: 1-15. 10 H536
- 23322 PAYOR, V. Chippewa craft guild corporation organized to help Indians. Appleblossom 18(8): 2. Feb. 7, 1946. 275.8 Ap5
- 23323 PIACENZA, D. La mujer campesina y el cooperativismo. SanCor 3(40): 34. Oct. 1945. 280.28 R322
- 23324 POLLAN, A. A. Good health to Middle America. Pan Amer. 6(10): 20-21. Mar. 1946. 280.8 P192  
Last of three articles.
- 23325 PUIG, I. La colaboración de la juventud campesina. SanCor 3(40): 34. Oct. 1945. 280.28 R322
- 23326 REY, R. L'organisation de l'enseignement post-scolaire agricole vue par un instituteur itinérant. B. Agr. des Hautes-Pyrénées 49: 52-55. July/Sept. 1945. 14 B875
- 23327 ROBERTS, MRS. W. C. Rural education - we learn by doing. Hoosier Farmer 31(3): 19. Mar. 1946. 280.82 H76
- 23328 ROJEM, M. School of the month: Edison School in Wayne Co., Mich., has extensive program. Appleblossom 18(8): 5. Feb. 7, 1946. 275.8 Ap5



- 23328 SCHIMKE, W. Retreats for farmers. Land and Home 9(1): 5-7. Mar. 1946. 281.28 C28
- 23330 SCHRIEBER, M. Rural life schools--reconversion. Land and Home 9(1): 1-2. Mar. 1946. 281.28 C28
- 23331 SMITH, L. Education for veterans under the G. I. Bill of Rights. Ohio Farmer 197(6): 5. Mar. 16, 1946. 6 Oh3
- 23332 SNYDER, G. B. National Junior Vegetable Growers. Amer. Farm Youth 11(9): 20, 22. Feb. 1946. 6 Am393
- 23333 TANDY, H. M. A statement that needs explaining. Canad. Countryman 35(6): 46-47. Mar. 16, 1946. 7 C833
- On the idea that there are too many farmers.
- 23334 TRUE, L. G. Montana co-ag conducts a balanced extension program. Better Farming Methods 18(3): 29, 40. Mar. 1946. 58.8 B46
- 23335 U. S. BUREAU OF LABOR STATISTICS. Family allowances in various countries 1944-45. U. S. Bur. Labor Statis. B. 853, 21 p. Washington, 1945. 158.6 B87
- Includes families engaged in agriculture.
- 23336 VIEIRA, N. R. Considerações sobre concursos de monografias. Brazil. Min. da Agr. B. 34 (2): 51-65. Feb. 1945. 9.2 Ag83
- Conferences by the Brazilian Ministry of Agriculture to plan publications for the instruction of farmers and improvement of rural life.
- 23337 VOGHT, R. L. The administration of an inter-American cooperative health program. Pub. Admin. Rev. 6(1): 42-52. Winter 1946. 280.8 P964
- Includes rural health.
- 23338 WALRATH, F. J. Tennessee counsels her veterans. Ext. Serv. Rev. 17: 38-39. Mar. 1946. 1 Ex892Ex
- Veteran's advice by the Tennessee Agricultural Extension Service.
- 23339 WATSON, C. D. Farming programs - a point of emphasis in supervision. Agr. Ed. Mag. 18: 166-167. Mar. 1946. 275.8 Ag8
- For vocational agriculture students.
- 23340 WATTS, R. L. An amazing country church. Pa. Farmer 134: 126. Feb. 23, 1946. 6 P383
- 23341 WILSON, C. M. Farm and home week. Iowa Bur. Farmer 10(3): 14. Mar. 1946. 275.293 Iowa
- 23342 YOUNG, E. The old time gauchos. Pan Amer. 6(10): 53-54. Mar. 1946. 280.8 P192
- 23343 Z., G. B. Virginia, Council on Health and Medical Care. Va. U. Ext. Div. P. New Dominion Ser. No. 77, p. 6-7. Feb. 1, 1946. 280.9 V814

#### Leadership

- 23344 SCHROER, K. Adjustments challenging rural youth leadership. Hoosier Farmer 31(3): 16-17, 24-25. Mar. 1946. 280.82 H76

#### Rural Organizations and Movements

- 23345 AGUILAR AREOSA, A. A. El cooperativismo y su importancia en el país. SanCor 3(40): 18. Oct. 1945. 280.28 R322
- Cooperative organizations in Argentina.
- 23346 ALLISON, R. L. Parent interest in 4-H Club work. Ext. Serv. Rev. 17(2): 20-21. Feb. 1946. 1 Ex892Ex
- 23347 ANDERSON, C. Secretary of agriculture defends farm co-ops against big business smear attacks. (Extracts.) Farmers Union Herald (n. s.) 20(2): 5. Jan. 18, 1946. 280.28 F224
- 23348 ARMOR, J. O. A boy plus a steer equals recipe for character; 4-H Club projects develop mental, physical, spiritual, and financial soundness in youth. Fla. Grower 54(3): 6, 20. Mar. 1946. 80 F6622
- 23349 BAINOTTI, D. Despreocupación de la juventud campesina por el cooperativismo. SanCor 3(40): 11. Oct. 1945. 280.28 R322
- Cooperative organizations in Argentina.
- 23350 BALESTRA, L. L. Algunas consideraciones sobre ciertos factores negativos que conspiran contra de un más rápido progreso de la cooperación en nuestro país. SanCor 3(40): 3-4. Oct. 1945. 280.28 R322
- Cooperative organizations in Argentina.
- 23351 BENNETT, H. G. Between the cotton rows. Okla. Cotton Grower 24(10): 1-2. Feb. 15, 1946. 72.8 Ok4
- Oklahoma Cotton Cooperative Association.
- 23352 BLISS, R. K. How do you "sell" 4-H? Natl. 4-H Club News 24(2): 14, 24. Feb. 1946. 275.28 N212
- 23353 BOGLIOLO, J. El futuro de la cooperación. SanCor 3(40): 14. Oct. 1945. 280.28 R322
- Cooperative organizations in Argentina.
- 23354 BUTLER, K. D. Learning by doing. News Farmer Coop. 12(12): 12-14. Mar. 1946. 166.2 N47
- Education by the cooperative G. L. F. Exchange, Inc., Ithaca, N. Y.
- 23355 CARDOZO, F. M. A organização da vida rural. Rev. Rural Bras. 25(304): 12-18. Dec. 1945. 9.2 B733
- Text of three addresses on legislation for farm organizations.
- 23356 CARTER, K. Farmers Union factions scrap, elect, and make up. Nebr. Farmer 88(5): 5. Mar. 2, 1946. 6 N27
- 23357 CHINDLUND, MRS. L. W. A novice goes to the Iowa, Farm Bureau annual meeting. Iowa Bur. Farmer 10(1): 6-7. Jan. 1946. 275.293 Iowa
- 23358 CLAPPER, D. C. 4-H club advantages. Mont. Farmer 33(12): 7. Feb. 15, 1946. 6 M764
- 23359 CORBETT, R. B. New membership goals for the Farm Bureau. Nation's Agr. 21(2): 7. Feb. 1946. 280.82 B89
- 23360 DELON, B. Libertad y autonomia del movimiento cooperativo. SanCor 3(40): 13. Oct. 1945. 280.28 R322
- 23361 ELORMENDI, S. G. El primer lustro. SanCor 3(40): 5-6. Oct. 1945. 280.28 R322
- Cooperative organizations in Argentina.
- 23362 EMANUEL, V. Memoranda on farmer co-ops. Skagit Co-op Dairyman 23(6): 12-13, 16-17, 19, 22-23. Feb. 1946. 280.28 Sk1
- 23363 FONTENOT, V. M. Plans for postwar 4-H. Prog. Farmer, Miss.-Ark.-La. Ed. 61(3): 28. Mar. 1946. 6 So81
- 23364 GAVRILOVA, C. The pros and cons of cooperatives. Part IV. Quick Frozen Foods 8(7): 98. (Concl.) Feb. 1946. 389.8 Q4
- Farmer cooperatives.
- 23365 GONZÁLEZ, J. A., and BERNAL, R. M. Asociaciones. Mex. Dir. de Econ. Rural. B. Mens., No. 237, p. 75-78. Feb. 1946. 254.5 Ag83
- Lists Mexican agricultural organizations.
- 23366 GULLANDER, Å. Skall Englands bönder, lära samarbete? Jordbrukarnas Föreningsblad. Öppl. A: Östra Mellansverige och Gästrikland 15(50): 1, 10-11. Dec. 15, 1945. 11 J762
- Agricultural cooperation in England.
- 23367 GULVIN, H. Cooperative earning and learning by means of group [farming] projects. Agr. Ed. Mag. 18: 171. Mar. 1946. 275.8 Ag8
- By Future Farmers of America.
- 23368 HARTNELL, M. Learning by doing: the calf clubs' part in rural education. New Zeal. Farmer Weekly 66(23): 6. Jan. 10, 1946. 23 N484
- 23369 HARTNELL, M. A way of life; can farmers co-operate? New Zeal. Farmer Weekly 66(25): 36-38. Feb. 7, 1946. 23 N484
- 23370 HSU, Y. Y. Cooperative economy in Yenan. Sci. and Soc. 10(1): 17-40. Winter 1946. 280.8 Sc12
- Cooperation in Farm Work, p. 25-31.



23371 JONSSON, J. M. Fostran och skolning. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 16(3): 3. Jan. 19, 1946. 11 J762

Swedish agricultural cooperation and cooperatives.

23372 KEARSLEY, A. R. It's the life for this bevy. Natl. 4-H Club News 24(2): 23. Feb. 1946. 275.28 N212

Activities of a 4-H Club.

23373 LAUZE, A. C. El buen ejemplo. SanCor 3(40): 17-18. Oct. 1945. 280.28 R322

Cooperative organizations in Argentina.

23374 M. R. La Coopérative Fédérée de Québec Mont-Laurier et à Ferme-Neuve. Terre de Chez Nous 18(19, 1. e. 18): 4. Feb. 6, 1946. 7 T27

23375 MATHESON, H. M. F. A. C. permanent camp "carried unanimously." Manitoba Co-op. 3(13): 2. Feb. 1, 1946. 280.28 M31  
Camp for Manitoba Federation of Agriculture and Cooperation.

23376 MAZZOLA, N. A. Seguro cooperativo. SanCor 3(40): 22-23. Oct. 1945. 280.28 R322

23377 MERTEENS, H. F. Nebraska co-op returns to its patrons. News Farmer Coop. 12(12): 1, 21-22. Mar. 1946. 166.2 N47

Farmers Cooperative Mercantile Company of Scribner, Nebr.

23378 MORIXE ILARRAZ, J. C. La gestión de la Asociación Rural Uruguay durante el año 1945. Asoc. Rural del Uruguay Rev. 72(12): 5-6. Dec. 1945. 9.9 As5

23379 MURPHY, C. E. 100,000 by 1950. Ohio Farm Bur. News 25(8): 13, 32. Mar. 1946. 6 Oh34  
Possible Ohio Farm Bureau membership.

23380 ORCHARD, M. Seventy years with the Texas Grange. Farm and Ranch 65(2): 9-10. Feb. 1946. 6 T31

23381 PARRACK, E. T. Take a look at the city farmer. Advertising & Selling 39(2): 64, 152. Feb. 1946. 238.28 Ad93

On the City Farmers Club of Pittsburgh.

23382 POLETTI, P. El cerdo en las cooperativas tamberas, Argentina. SanCor 3(40): 50. Oct. 1945. 280.28 R322

23383 RANDAL, D. Urgency of re-organisation. Straight Furrow 5(2): 8. Dec. 15, 1945. 281.8 St8  
New Zealand Farmers' Union.

23384 RANGER, L. L'Union des Cultivateurs Franco-Ontariens est dotée d'une charte légale. Terre de Chez Nous 18(19, 1. e. 18): 21. Feb. 6, 1946. 7 T27

23385 RENSCHAW, B. Rush to join Flying Farmers of Prairie Farmer Land! Enthusiasm mounts as applications pour in; stress informality in the organization. Prairie Farmer, Gen. Ed. 118(5): 10. Mar. 2, 1946. 6 P883

23386 REYNOLDS, Q. Farmers' cooperatives. (Digest.) Coop. Digest 6(9): 62. Mar. 1946. 280.28 C7896

23387 ROCHA, A. La cooperación y sus ventajas "ventajeros" de la cooperación. SanCor 3(40): 6-7. Oct. 1945. 280.28 R322

Cooperative organizations in Argentina.

23388 ROLT, J. C. Siempre es buen momento para empezar. SanCor 3(40): 9. Oct. 1945. 280.28 R322  
Cooperative organizations in Argentina.

23389 SAMPLE, G. W. National Farm Institute -- peacetime challenge to agriculture. Hoosier Farmer 31(3): 4, 26. Mar. 1946. 280.82 H76

23390 SCOTT, A. An outstanding 4-H county reports. Agr. Leaders' Digest 27(2): 49, 52. Feb. 1946. 275.28 Am3

Green County, Tenn.

23391 SJOBLÖM, P. H. Grupptressen och samverkan. Jordbrukarnas Föreningsblad. Uppl. A: Östra Mellansverige och Gästrikland 16(4): 3. Jan. 26, 1946. 11 J762

Farm cooperatives in Sweden.

23392 SMITH, L. D. Cooperating for rural betterment. Calif. Citrog. 31: 178-180. Mar. 1946. 80 C125

23393 SPARKES, S. L. Improved farming and living conditions. Amer. Farm Youth 11(9): 14-16. Feb. 1946. 6 Am393

Community improvement clubs in Tennessee.

23394 STOKDYK, E. A. Public interest in the cooperative controversy. Coop. Poultryman 11(3): 14-15. (Concl.) Mar. 1946. 47.8 C782

23395 SWANTON, M. K. Co-operation ... the American way; producers get better prices, stabilized market; better products for consumers. Wis. Agr. Farmer 73(4): 4. Feb. 16, 1946. 6 W751

23396 VIVIS REMOLINS, J. El cooperativismo, futuro sistema de paz y justicia humana. SanCor 3(40): 10-11. Oct. 1945. 280.28 R322

23397 WEYRICH, H. O. A county celebrates at 4-H Achievement Day. Agr. Leaders' Digest 27(2): 45-46. Feb. 1946. 275.28 Am3

Wahkiakum County, Washington.

23398 WISTED, M. Young Farmers hold two-day conference. Pa. Farmer 134: 174. Mar. 9, 1946. 6 P383

#### RURAL SOCIAL PSYCHOLOGY

23399 AUSTIN, E. L. Farmers like to select their own problems in discussion groups. Agr. Ed. Mag. 18: 175, 177. Mar. 1946. 275.8 Ag8

23400 HURST, H. A dismal outlook marks the farmer's reconversion attitude. Impl. and Tractor 61: 47, 102-103. Mar. 9, 1946. 58.8 W41

23401 NEWCOMER, MRS. R. E. Public opinion and the farmer. Iowa Bur. Farmer 10(1): 5. Jan. 1946. 275.293 Iowa

23402 STARRAX, J. A. Will your boy stay home? Wallaces' Farmer and Iowa Homestead 71: 200. Mar. 2, 1946. 6 W15

#### TRADE, FOREIGN AND INTERNATIONAL

23403 ALDERSON, W. Regional development of American markets for imports. World Econ. 3(11/12): 103-116. Oct./Dec. 1945. 280.8 W892

23404 RISSON, J. E. Le Canada pourra-t-il garder le marché anglais pour son bacon? Terre de Chez Nous 18(20, 1. e. 19): 23. Feb. 13, 1946. 7 T27

23405 DAN, B. When should exports be encouraged? Palestine Tribune 1(46): 9, 16. Dec. 13, 1945. 280.5 P172

23406 DENMARK. STATISTISKE DEPARTEMENT. Danmarks vareindførsel og -udførsel i aaret 1944. Denmark. Statis. Dept. Statis. Tableværk, (ser. 5), Let. D, No. 65, 145 p. København, 1945. 257.1 St2T  
Includes statistics on the import and export of food.

23407 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Argentina; review of commercial conditions, 1945, 44 p. London, 1945. 255.1 G79

Includes foreign trade in agricultural products.

23408 GREAT BRITAIN. DEPT. OF OVERSEAS TRADE. Uruguay; review of commercial conditions, 1945, 28 p. London, 1945. 255.7 G79R

Includes foreign trade in agricultural products.

23409 MURTHY, R. V. India's post-war trade possibilities. Cotton Trade J., Internatl. Ed. (1945/46) 14: 68-69, 138. 72.8 C82141  
With especial reference to cotton.

23410 NEW ZEALAND. CENSUS AND STATISTICS DEPT. Statistical report on trade and shipping of the Dominion of New Zealand, 1942, pt. 1, 85 p. Wellington, 1945. 271.2 C33

Includes trade in agricultural products.

- 23411 NIGERIA. DEPT. OF CUSTOMS AND EXCISE. Trade report, 1944, 147 p. Lagos, 1945. 270 N562  
Statistics include agricultural products.
- 23412 ORR, C. W. Protection from foreign import of Angora wool. Amer. Small Stock Farmer 30(6): 11. Mar. 1946. 48.8 J82
- 23413 PRICE, H. B. Exports are essential; every southern farmer has a vital stake in the future of our foreign trade. South. Agr. 76(3): 31. Mar. 1946. 6 So83
- 23414 SCHWENGER, R. B. The prospect for postwar agricultural exports from the United States. J. Farm Econ. 28: 42-53. Feb. 1946. 280.8 J822
- 23415 WESTPHALEN-LEMAITRE, J. U. S. cotton exports to France during the war. Cotton Trade J., Internatl. Ed. (1945/46) 14: 48-49. 72.8 C82141
- 23416 WHITE, J. B. Farming's part in vital export drive. Farmer & Stock-Breeder 60: 164. Jan. 22, 1946. 10 F228

# FOOD AND HUMAN NUTRITION

## GENERAL

- 23417 ANDERSON, C. P. Better food for a better America. Amer. Groc. 155(7): 74-75. Feb. 13, 1946. 286.83 Am32
- 23418 BERGER, F. M. Diet in infectious hepatitis. Amer. Dietet. Assoc. J. 22: 210-218. Mar. 1946. 389.8 Am34
- 23419 BORGES, R. Alimentação, problema social que tortura o mundo. Rev. da Vet. 9(35): 7-8. Jan. 1946. 41.8 R3218
- 23420 BOURNE, G. H. Nutrition in Japan. Nature [London] 157: 177-178. Feb. 16, 1946. 472 N21
- 23421 BROKAW, K. F. The care and feeding of the school child. Hygeia 24: 204, 210, 212. Mar. 1946. 449.8 H993
- 23422 CARROLL, G. Now plan a hot-lunch program for your community. Successful Farming 44(3): 87, 110-111, 117. Mar. 1946. 6 Sul2
- 23423 DARBY, H. H. Margarine; a part of the national diet. Amer. Cookery 51(7): 26-27, 61. Mar. 1946. (Beltsville Branch Libr.)
- 23424 DÉFICITS alimentaires dans quelques pays européens. Assoc. des Chim. B. 62: 159-162. Apr./June 1945. 383 As7
- 23425 DESMOND, T. C. Hokum in your meals. Hygeia 24: 200, 202. Mar. 1946. 449.8 H993  
Need for balanced diet.
- 23426 DEYSENROTH, C. F. American citizen - 1970. Milk Plant Monthly 35(3): 44, 46. Mar. 1946. 44.8 C864  
Nutrition program of the National Dairy Council.
- 23427 DORIOT, G. F. Problems in subsistence conservation. U. S. Dept. Com. Off. Pub. Bl. Rpt. 2568, p. 2. 1945. 157.8 R29  
Food for U. S. Army.
- 23428 DRUMMOND, SIR J. Some recent developments in human feeding (Great Britain). Food Indus. 18: 327-330, 476, 478, 480, 482, 484, 486. Mar. 1946. 389.8 F737
- 23429 EBBS, J. C. A nutritional review of large-scale feeding operations (U. S. Army). Amer. Dietet. Assoc. J. 22: 219-224. Mar. 1946. 389.8 Am34
- 23430 ELVEHJEM, C. A. Future studies in nutrition. Nutr. Rev. 4(1): 1-6. Jan. 1946. 389.8 N953
- 23431 FLECK, H. Audio-visual aids for community nutrition programs. Nutr. News 9(3): 11. Feb. 1946. (Beltsville Branch Libr.)
- 23432 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Documents of the conference, 1st session, Nos. 140, 165, 187, 191-194, 204, 209, 211, processed. Washington, D. C., 1945. 389.9 F735D  
The above documents are reports of Commission A, Committee I (Nutrition and Food Management) with titles as follows:  
140. Draft report of the panel of the Committee on Nutrition and Food Management, 8 p.  
165. Report of Nutrition and Food Management Committee, 8 p.  
187. Postwar plans for better nutrition in China, by W. T. Wu, 7 p.  
191. A bird's-eye view of the nutritional situation in Egypt with some remarks as to the war and postwar nutritional development, by M. A. Abbasy, 5 p.  
192. Post-war nutrition in Australia, by D. H. K. Lee, 2 p.  
193. Nutrition and food planning in India, by V. K. R. V. Rao, 5 p.  
194. Nutritional conditions in Norway, by A. Strom, 2 p.  
204. The nutrition problem of the Mexican economically weak population, by F. de P. Miranda, 5 p.  
209. The food position in the Netherlands during the second World War, 1940-1945, by M. J. L. Dols, 10 p.  
211. The nutrition and health of the Danish population during the war, by L. S. Fridericia, 4 p.  
23433 GOLD, B. G. Food and resistance to infection. Pract. Home Econ. 24: 159. Mar. 1946. 321.8 H752
- 23434 GREEN, J. How's your appetite? South. Home and Gard. 13(8): 21. Mar. 1946. 80 So824  
Flowers for food.
- 23435 HOFFMAN, K., and WARNER, C. B. The diet at a hostel in India. J. Home Econ. 38: 95-97. Feb. 1946. 321.8 J82
- 23436 HUTSON, J. B. Bread for peace. Mod. Miller 73(11): 12-13. Mar. 16, 1946. 298.8 M72
- 23437 KING, C. G. Nutrition research and the food industry. Amer. Groc. 155(7): 23-24, 26, 28, 30, 32, 34. Feb. 13, 1946. 286.83 Am32  
Also in Canning Trade 68(31): 40, 42. Feb. 25, 1946. 286.83 T67
- 23438 KLINE, A. B. Child care centers contribute to America's future. Amer. Dietet. Assoc. J. 22: 240, 242, 244. Mar. 1946. 389.8 Am34  
Diet survey.
- 23439 KLINGE, G. Política agrícola-alimenticia. XVII-XVIII. Vida Agr. 22: 771, 773-778; 867-875. Sept.-Oct. 1945. 9.8 V66  
Storage of food and organization of food distribution.
- 23440 LEÓN FONSECA, M. DE., and GUERRA, G. La cocina cubana. Cuba. Min. de Agr. Almanaque (1946) 2: 200-244. 8 C896  
Chiefly recipes. Contains, however, a section on nutrition.
- 23441 MCCAY, C. M., and SCHLACK, C. A. Messing aboard a large carrier and a modern battleship. Amer. Dietet. Assoc. J. 22: 225-230. Mar. 1946. 389.8 Am34
- 23442 MCLEAN, D. S., and others. Further studies on the calcium requirement of preschool children. J. Nutr. 31(1): 127-140. Jan. 10, 1946. Ref. 389.8 J82  
G. K. Lewis, E. Jensen, M. Hathaway, H. Breiter, and J. O. Holmes, joint authors.
- 23443 MELNICK, D., OSER, B. L., and WEISS, S. Rate of enzymic digestion of proteins as a factor in nutrition. Science 103: 326-329. Mar. 15, 1946. Ref. 470 Sc12
- 23444 MERWIN, A. Dietary experience for the student nurse. Amer. Dietet. Assoc. J. 22: 236, 238. Mar. 1946. 389.8 Am34



23445 PAYSON, V. Correlation of home economics classes and the hot lunch program. *Forecast* 62(3): 22-25, 68, 70, 72. Mar. 1946. 321.8 F76

23446 PCULIN, L. P. La détermination des besoins alimentaires mondiaux. *Terre de Chez Nous* 18(20, 1. e. 19): 3. Feb. 13, 1946. 7 T27

23447 REID, S. This community put over a school lunch project. *Agr. Leaders' Digest* 27(2): 39. Feb. 1946. 275.28 Am3

23448 REPORT on the Newfoundland nutrition program. *Pract. Home Econ.* 24: 152, 192, 194. Mar. 1946. 321.8 H752

23449 RORTY, J., and NORMAN, N. P. When do we eat? Tests cast doubt on value of enriched bread program. *Midland Coop.* 13(13): 5. Feb. 13, 1946. 280.28 M58

23450 SKELLEY, G. Hot school lunch gains in popularity. *Iowa Bur. Farmer* 10(1): 14. Jan. 1946. 275.293 Iowa

23451 TOBEY, J. A. Bread sustains European people. *Northwest. Miller* 225(9): 4, 7, 30. Feb. 26, 1946. 298.8 N81

23452 WODICKA, V. D. Evaluating developments in Army rations. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 2568, p. 5-6. 1945. 157.8 R29

#### FOOD HABITS

23453 ANDERSON, B. D. Why I don't serve canned fish more often. *Canning Trade* 68(31): 56-57. Feb. 25, 1946. 286.83 T67

23454 GRUELLE, K. B. Effect of the war on food habits in Hawaii. *J. Home Econ.* 38: 91-94. Feb. 1946. 321.8 J82

#### NUTRITIVE AND VITAMIN CONTENT

23455 BOHREN, B. B., and HAUGE, S. M. Vitamin A retention in dried eggs as affected by compression and packaging in tin cans. *Food Res.* 11(1): 39-40. Jan./Feb. 1946. 389.8 F7322

23456 BOLLER, A. E. Lard's place in food products. *Food Mater. and Equip.* 6(2): 8-9. Feb. 1946. 389.8 F7393

23457 BORGES, R. O "pão reforçado" mantém em alto nível o vigor e a coragem do povo. *Rev. da Vet.* 9(35): 27. Jan. 1946. 41.8 R3218

23458 BOWMAN, D. E. Improvement in digestibility of navy-bean starch. *Food Res.* 11(1): 49-53. Jan./Feb. 1946. 389.8 F7322

23459 BRANSBY, E. R., and others. Effect of a daily vitamin supplement on the health and development of children. *Brit. Med. J.*, No. 4440, p. 193-197. Feb. 9, 1946. Ref. 448.8 B77

J. L. Burn, H. E. Magee, and D. M. MacKecknie, joint authors.

23460 BROWN, E. B., THOMAS, J. M., and BINA, A. F. Nicotinic acid values by chemical and microbiological methods; effect of hydrogen peroxide and infra-red rays on nicotinic acid. *J. Biol. Chem.* 162: 221-228. Feb. 1946. 381 J824

Contains nicotinic acid values of various grains.

23461 CHICK, H., COPPING, A. M., and SLACK, E. B. Nutritive values of wheat flours of different extraction-rate. *Lancet [London]* 250: 196-199. Feb. 9, 1946. Ref. 448.8 L22

23462 CLAUDE, PERE. Le miel et les vitamines; symposium sur la teneur du miel en vitamines. *Rev. d'Oka* 20: 9-16. Jan./Feb. 1946. Ref. 7 Okl

23463 EHEART, M. S., and SHOLES, M. L. The effects of method of blanching, method of storage and cooking on the carotene, ascorbic acid, calcium, and phosphorus content of dehydrated sweet potatoes. *Inst. Food Technol. Proc.* 1945: 3-12. 389.9 In7

23464 FENTON, F. Retention of vitamin values in large-scale food service. *Inst. Food Technol. Proc.* 1945: 35-48. Ref. 389.9 In7

23465 FINNEY, K. F. Loaf volume potentialities, buffering capacity, and other baking properties of soy flour in blends with spring wheat flour. *Cereal Chem.* 23: 96-104. Jan. 1946. 59.8 C33

23466 FYLER, H. M. White potato values. *Hygeia* 24: 198-199, 228. Mar. 1946. 449.8 H993

23467 GARDNER, J., PARSONS, H. T., and PETERSON, W. H. Human utilization of biotin from various diets. *Amer. J. Med. Sci.* 211(2): 198-204. Feb. 1946. Ref. 448.8 Am3

23468 GIRAL, F., and TORRE, L. M. DE LA. Nuevas valoraciones de vitamina C en alimentos mexicanos. *Ciencia* 6: 252-253. Oct. 27, 1945. Ref. 475 C48

23469 GLEIM, E., and others. Retention of carotene, thiamin, riboflavin, and niacin during large-scale food service of dehydrated carrots. *Food Res.* 11(1): 61-68. Jan./Feb. 1946. 389.8 F7322

M. Albury, K. Wisnyed, J. R. McCartney, and F. Fenton, joint authors.

23470 GUILLEMET, R., and others. Valeur alimentaire comparée sur des humains de trois types de farine de blé; essai de solution rationnelle du problème français du pain. *Soc. de Chim. Biol. B.* 27: 56-64. Jan./Mar. 1945. 383 Sol

R. Jacquot, J. Trémolières, and R. Erffmann, joint authors.

23471 HARGRAVE, P. D., and HOGG, W. J. Pre-canning treatment on processed plums as it affects quality and vitamin C content. *Sci. Agr.* 26: 95-98. Feb. 1946. 7 Sci2

23472 HEGSTED, D. M., and others. Protein requirements of adults. *J. Lab. and Clin. Med.* 31(3): 261-284. Mar. 1946. Ref. 448.8 J8233

A. G. Tsongas, D. B. Abbott, and F. J. Stare, joint authors.

23473 HEISER, E. H. Most nearly perfect food. *Milk Prod. [Houston]* 11(2): 6. Mar. 1946. 44.8 M5993

Milk.

23474 HOGAN, M. New life for old southern product. *South. Planter* 107(3): 16-17, 38. Mar. 1946. 6 So89

Value of corn meal enrichment.

23475 HUBER, W., BOEHME, W., and LASKOWSKI, S. C. Water-insoluble forms of thiamine and niacin. *Amer. Chem. Soc. J.* 68: 187-190. Feb. 1946. 381 Am33J

Needed for enrichment of corn grits and white rice.

23476 ICE CREAM--a nutritious and delicious food! *Canad. Dairy and Ice Cream J.* 25(2): 38-39. Feb. 1946. 44.8 C162

23477 JACKSON, J. M., FEASTER, J. F., and PILCHER, R. W. The effect of canning procedures on vitamins in foods. *Inst. Food Technol. Proc.* 1945: 81-90. 389.9 In7

23478 JENKINS, G. N. Vitamin C content of home-cooked vegetables. *Brit. Med. J.*, No. 4441, p. 233-235. Feb. 16, 1946. Ref. 448.8 B77

23479 LEE, F. A., and WHITCOMBE, J. The vitamin content of Alderman peas at several stages of maturity. *Inst. Food Technol. Proc.* 1945: 158-159. 389.9 In7

23480 LO, T. Y., and CHEN, S. M. The effect of chemical treatment on ascorbic acid content of vegetables. *Inst. Food Technol. Proc.* 1945: 154-157. 389.9 In7

23481 LOEFFLER, H. J. Retention of ascorbic acid in strawberries during processing, frozen storage, and manufacture of velva fruit. *Food Res.* 11(1): 69-83. Jan./Feb. 1946. 389.8 F7322

23482 MCCRORY, S. A. Vitamin C content of strawberries. *N. and S. Dak. Hort.* 19: 31-32. Feb. 1946. 81 N817

23483 MARX, V. E. Why milk should be used in bakery products. *Canad. Baker* 58(3): 22, 24-26, 28-30. Mar. 1946. 389.8 C166

Nutritive value of milk.



- 23484 OSER, B. L. The present status of vitamin assays. *Inst. Food Technol. Proc.* 1945: 169-184. Ref. 389.9 In7
- 23485 OTT, M. Über den einfluss des eisens bei der bestimmung von ascorbinsäure. *Chemie* 58(1/2-3/4): 22. Jan. 1945. 384 Z33  
Tests with apple pulp.
- 23486 PARRISH, D. B., and others. The vitamin A and carotene content of market butter produced in Kansas. *J. Dairy Sci.* 29: 91-99. Feb. 1946. 44.8 J822  
W. H. Martin, F. W. Atkeson, and J. S. Hughes, joint authors.
- 23487 PAGE, J. E., and WALLER, J. G. Polarographic studies: IV. A note on the determination of ascorbic acid in fruits and vegetables. *Analyst* 71: 65-66. Feb. 1946. 382 Aul
- 23488 PEARSON, P. B., and DARNELL, A. L. The thiamine, riboflavin, nicotinic acid and pantothenic acid content of colostrum and milk of the cow and ewe. *J. Nutr.* 31(1): 51-57. Jan. 10, 1946. Ref. 389.8 J82
- 23489 PICKETT, T. A. Choline content of peanuts and peanut products. *Peanut J. and Nut World* 25(5): 25-26. Mar. 1946. 77.8 F313
- 23490 PLATT, B. S. Tables of representative values of foods commonly used in tropical countries. *Gt. Brit. Med. Res. Council. Spec. Rpt. Ser.* 253, 41 p. London, 1945. Ref. 389.1 P89T  
Nutritive values.
- 23491 POLLACK, R. C. A weakened world, a neglected nation can be strengthened by beef. *Plantation Stockman* 3(6): 13, 26-28. Feb. 1946. 49 P69
- 23492 RANDOIN, L., and CAUSERET, J. Tables de composition des principaux groupes de produits alimentaires bruts à la production. *Soc. Sci. d'Hyg. Aliment. B.* 33(1/3): 23-31. 1945. 389.9 SolB  
Analysis for nutritive value.
- 23493 RANDOIN, L., FOURNIER, P., and DIGAUD, A. Valeur nutritive du pain blanc et valeur nutritive du pain complet déterminées au moyen d'expériences comparatives sur quatre sujets humains. *Soc. de Chim. Biol. B.* 27: 40-49. Jan./Mar. 1945. 383 Sol
- 23494 RORTY, J., and NORMAN, N. P. Supplies for Europe shortened by industry's heedless flour program abetted by "pliant" scientists. *Cooperator* 9(4): 1. Feb. 18, 1946. 280.28 C7852  
Bread fortification.
- 23495 RORTY, J., and NORMAN, N. P. When do we eat? Short public memory helps explain lack of bread quality. *Midland Coop.* 13(12): 5. Jan. 23, 1946. 280.28 M58  
Also in Co-op. Builder 23(4): 5. Jan. 24, 1946. 280.28 C7827  
Bread enrichment.
- 23496 SARKAR, S. N., and BOSE, A. C. Biological value of proteins of palmyra fruits (*Borassus flabellifer*, Linn.). *Ann. Biochem. and Expt. Med.* 5: 59-62. 1945. 448.8 An73
- 23497 SCHOFIELD, M. Vitamin persistence in processed milk. *Food Manufacture* 21: 120-121, 126. Mar. 1, 1946. 389.8 F736
- 23498 SHARP, P. F., SHIELDS, J. B., and STEWART, A. P., JR. Nutritive quality of spray-dried whole milk in relation to manufacture and storage. *Inst. Food Technol. Proc.* 1945: 54-57. 389.9 In7
- 23499 ST., H. Erweiterung unserer ernährungs-basis durch neuzeitliche pilzverwertung. *Chem. Ztg.* 39: 49-50. Mar. 14, 1945. 384 C427
- 23500 STRACHAN, C. C., and ATKINSON, F. E. Ascorbic acid content of tomato varieties and its retention in processed products. *Sci. Agr.* 26: 83-94. Feb. 1946. Ref. 7 Sci2
- 23501 STRACHAN, C. C. New and refreshing light shed on nutritive values of British, Columbia, tree fruits; values every Canadian should know. *Country Life*, Vernon, 30(1, 1. e. 3): 5-6, 30. Mar. 1946. 7 C832
- 23502 SWANSON, C. O. The proteins of wheat flour. *Miller* 72: 171-172. Mar. 4, 1946. Ref. 298.8 M61
- 23503 THOMPSON, C. R., and others. Chemical determination of vitamin A in dried whole eggs. *Indus. and Engin. Chem., Analyt. Ed.* 18: 113-115. Feb. 23, 1946. 381 J825A  
M. A. Ewan, S. M. Hauge, B. B. Bohren, and F. W. Quackenbush, joint authors.
- 23504 VAN DUYNE, F. O., and others. Retention of ascorbic acid in vegetables preserved by quick freezing. *Inst. Food Technol. Proc.* 1945: 13-20. 389.9 In7  
J. T. Chase, J. L. Retzer, and J. I. Simpson, joint authors.
- 23505 VILLELA, G. G., and HARGREAVES, A. B. Estudos sobre a dosagem microbiológica das vitaminas do complexo B. I-II. *Inst. Oswaldo Cruz. Mem.* 42(1): 167-176, 183-190. 1945. Ref. 448.9 In74  
English summaries.  
Contents: I. Riboflavina. II. Niacina.
- 23506 WITTWER, S. H. Vegetable crops in relation to soil fertility. IV. Nutritional values of New Zealand spinach. *J. Nutr.* 31(1): 59-65. Jan. 10, 1946. Ref. 389.8 J82

## MISCELLANEOUS

## GENERAL

- 23507 AGENDA de la ménagère agricole, 27, 1946, 160 p. Lyon, 1945? 14 Ag32  
Home management.
- 23508 ALLAHABAD Farmer, v. 19, p. 100-125. Sept. 1945. 22 AL5  
Contains annual reports for 1944-45 of the various departments of the Allahabad Agricultural Institute as follows: Horticulture, by W. B. Hayes; Agricultural Engineering, by M. Vaugh; Home Economics, by Mrs. J. L. Goheen; Biology, by E. F. Vestal; Agricultural Economics, by H. S. Azariah; Chemistry, by A. P. Brooks; Agronomy, by B. M. Pugh and S. R. Misra; Animal Husbandry and Dairying, by T. W. Millen.
- 23509 ANDERSON, A. W. The FAO and its effect on American fisheries. *Canner* 102(11): 102, 104. Mar. 2, 1946. 286.83 C16
- 23510 BERTRAND, G. Sur un processus de défense du milieu habité par des espèces vivantes à l'aide d'une substance toxique. *Paris. Acad. des Sci. Compt. Rend.* 221: 525-529. Nov. 5, 1945. 505 P21  
Study of antibiotic substances from plants and animals.
- 23511 BLACKFORD, J. L. Plant and animal succession. *Canad. Nature* 8: 50. Mar./Apr. 1946. 410 C162
- 23512 BOOTH, J. F. The Food and Agriculture Organization--its purpose and functions. *Econ. Annal.* 16(1): 3-7. Feb. 1946. 280.8 Ec75
- 23513 CALVACHE, A. Medidas agrarias usadas en Cuba. *Cuba. Min. de Agr. Almanaque* (1946) 2: 196-199. 8 C896
- 23514 CARTER, E. J. Turning Alabama's resources into wealth. *Ala. Conserv.* 17(9): 8-9, 12. Mar. 1946. 279.8 AL1
- 23515 CONN, H. J. Carbol crystal violet. *Stain Technol.* 21: 31-32. Jan. 1946. 442.8 St1
- 23516 DAVISON, V. E. Growing pains of pond management. *Soil Conserv.* 11: 180-183. Feb. 1946. 1.6 So3S
- 23517 DELAWARE. BOARD OF AGRICULTURE. Annual report for 1944/45. *Del. State Bd. Agr. Q. B.*, v. 35, No. 3, 42 p. Dover, 1945. 2 D37B



23518 DENMARK. LANDØKONOMISKE DRIFTSBUREAU. Regnskabsresultater fra danske landbrug i aaret 1944-45. Pt. I. Denmark. Landøkonom. Driftsbureau. Undersøgelser over Landbr. Driftsforh., v. 29, 55 p. København, 1945. 11 D414

Danish agriculture in 1944/45.

23519 DOMINICA. DEPT. OF AGRICULTURE. Annual report, 1944, 11 p. Roseau, 1945. 102 W523

Includes a section on agriculture in the colony.

23520 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Documents of the conference, 1st session, Nos. 1-127, processed. Washington, D. C., 1945. 389.9 F735D

Includes the following reports: 49. Report to the Food and Agriculture Organization on world food outlook, 1946, by the Combined Food Board, 42 p.; 120. International organizations in fields related to work of FAO (report of Committee on Constitutional and Diplomatic Questions), 14 p.; 136. Draft report of Committee on Agriculture, 32 p.; 152. Report of Marketing Committee, 17 p.; 160. Report of Statistics Committee, 9 p.; 196. Official directory, first session of the conference, 52 p. (published in Quebec.)

Other reports in this series are entered under their respective subjects in this issue of the Bibliography of Agriculture.

23521 FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. Report of the first session of the conference held at the City of Quebec, Canada, Oct. 16 to Nov. 1, 1945, 89 p. Washington, 1946. 389.9 F735R

Report of Commission A, p. 1-50, contains sections on nutrition, agriculture, forestry and forest products, marketing, and statistics; Report of Commission B, p. 51-52, describes the structure of the FAO.

23522 FORMAN, J. Food: what's in it? Land 4: 467-471. Autumn 1945. 279.8 L22

Report of conference on food problems.

23523 HAWAII. BOARD OF COMMISSIONERS OF AGRICULTURE AND FORESTRY. Report, 1943-1944, 115 p. Honolulu? 1945. 25 H314Re

23524 HOWE, H. R. FAO is launched. J. Home Econ. 38: 88-90. Feb. 1946. 321.8 J82

23525 HUXLEY, J. S. Species and evolution. Endeavour 5: 3-12. Jan. 1946. 472 En2

23526 INSECT and rodent control; repairs and utilities. U. S. War Dept. Tech. Manual TM 5-632, 135 p. Washington, 1945. 152 T22

Also U. S. Dept. Com. Off. Pub. Bd. Rpt. 2435. 157.8 E29

23527 JACOBSEN, A. P. De Forenede Nationers Levnedsmiddel- og Landbrugskonference i Quebec. Denmark. Landbrugsraad. Meddel., No. 4, p. 117-136. Jan. 25, 1946. 11 D415L

23528 L., H. M. Rat control in Hawaii. Internatl. Sugar J. 48: 39. Feb. 1946. 65.8 In8

23529 LANCUM, F. H. Wild animals and agriculture. II. The mole. Gt. Brit. Min. Agr. Agriculture 52: 520-522. Feb. 1946. 10 G79J

23530 M. Successful destruction of rats. Farmers' Gaz. [Dublin] 103, 1. e. 104: 765. Dec. 22, 1945. 10 F221

23531 MARQUIS, A. La composition des cendres des fourrages et ses incidences sur l'hygiène alimentaire de l'homme et des animaux. Ann. Agron. [Paris], 15: 279-287. Apr./June 1945. Ref. 14 An75A

Mineral ash from forage plants.

23532 MAURITIUS CHAMBER OF AGRICULTURE. The president's report for the year 1944-45. Rev. Agr. de l'île Maurice 24: 260-277. Sept./Oct. 1945. 24 M44

23533 MULGHEE, G. Gas warfare; Australia using it on rabbits. New Zeal. Farmer Weekly 66(21): 46-47. Dec. 13, 1945. 23 N484

23534 OCCUPATIONAL brief, Nos. 3-4, 6-7, 24, 27, 50, 53-68. Washington, D. C., National Roster of Scientific and Specialized Personnel, 1945. 173.4 W19320

Contents: No. 3. The jobs of the agricultural and biological scientists, 22 p.; No. 4. The jobs of the animal, dairy, and poultry husbandmen and technologists, 14 p.; No. 6. The job of the bacteriologist, 12 p.; No. 7. The jobs of the botanist, plant pathologist, and plant physiologist, 14 p.; No. 24. The job of the forester, 13 p.; No. 27. The jobs of the horticulturist, agronomist, and soil scientist, 13 p.; No. 50. The job of the veterinarian, 10 p.; No. 53. The jobs of the zoologist, parasitologist, and entomologist, 14 p.; No. 54. The job of the berry farmer, 12 p.; No. 55. The job of the corn-hog-cattle farmer, 13 p.; No. 56. The job of the cotton farmer, 13 p.; No. 57. The job of the dairy farmer, 13 p.; No. 58. The job of the farmer: general survey, 16 p.; No. 59. The job of the fruit farmer, 14 p.; No. 60. The job of the general farmer, 14 p.; No. 61. The job of the livestock farmer, 14 p.; No. 62. The jobs of the pecan, tung-nut, walnut, and similar farmers, 12 p.; No. 63. The job of the part-time farmer, 14 p.; No. 64. The job of the poultry farmer, 13 p.; No. 65. The job of the tobacco farmer, 13 p.; No. 66. The job of the truck farmer, 14 p.; No. 67. The job of the wheat farmer, 13 p.; No. 68. The job of the specialty farmer, 12 p.

23535 ORCHARD, M. They're changing to a long stick for a hard fight. Farm and Ranch 65(3): 44-45. Mar. 1945. 6 T31

Work of the Texas Agricultural Association.

23536 P., A. The hedgehog and the gardener. Farmers' Gaz. [Dublin] 103: 782. Dec. 29, 1945. 10 F221

23537 PEMBERTON, E. J. Rabbit destruction; poisoning, fumigation, digging out. Victoria. Dept. Agr. J. 44: 63-68, 75. Feb. 1946. 23 V66J

23538 PEÑA SERRANO, F. La génesis del microscopio electrónico. Montes 1: 9-15. Jan./Feb. 1945. 69.8 M763

23539 PRINCE EDWARD ISLAND. DEPT. OF AGRICULTURE. Annual report, 1944/45, 91 p. Summerside, P. E. I., 1945. 7 P93A

23540 ROSADO, V. Algumas fórmulas de zootécnia e genética. Brazil. Dept. Nac. de Prod. Veg. Secç. de Fomento Agr. no Paraná. B. Agr. 3(10/11): 21-40. Dec. 1945. Ref. 9.2 B7363

23541 SESHACHAR, B. R., and SRINATH, K. V. The nucleolus. Cur. Sci. 15: 9-11. Jan. 1946. Ref. 475 Sci23

23542 SGOVILLE, G. P. Filing [agricultural] bulletins for ready reference. N. Y. Agr. Col. (Cornell) A. E. 535, 63 p., processed. Ithaca, 1945. 281.9 C81

A classification scheme with index.

23543 TIMSON, S. D. Witchweed demonstration farm; final progress report: December, 1944. Rhodesia Agr. J. 42: 404-409. Sept./Oct. 1945. 24 R34

23544 TUNELAD, B. Kemiska bekämpningsmedel i lantbrukets tjänst (Chemical control of plant diseases and pests). K. Lantbruksakad. Tidskr. 84: 245-258. 1945. 104 Sw3

German summary.

Insecticides and fungicides.

23545 WAHLIN, B. Sjukdomar och skadedjur på rödklöver i Östergötland 1945. Sweden. Statens Värtskyddsanst. Värtskyddsnotiser, No. 6, p. 88-92. Dec. 1, 1945. 644.9 Sw3V

Diseases and pests of red clover.

23546 WATSON, S. J., and SMITH, A. M. The trace elements in plant and animal nutrition. Scot. J. Agr. 25: 203-212. Jan. 1946. 10 Sco829o

23547 WING, A. S. "And after the war we are going out where there is more space." Small Homes Ann. 1945: 184-185. 296.8 Sml2

For gardening, livestock and rural life.



- 23548 YATES, P. L. Food and Agriculture Organization of the United Nations. *J. Farm Econ.* 28: 54-70. Feb. 1946. 280.8 J822

## HISTORY AND BIOGRAPHY

- 23549 ASHEY, E. Academician V. L. Komarov [1869-1945]. *Nature* [London, 157: 185-186. Feb. 16, 1946. 472 N21
- 23550 BURKE, J. F. Robert Hagelstein, May 16, 1870-October 20, 1945. *Amer. Nat.* 80: 220-222. Mar. 1, 1946. 470 Am36
- 23551 COLVILLE, R. An impression of the Minister of Agriculture [of Great Britain]. *Field* 187: 125. Feb. 2, 1946. 10 F45  
Tom Williams.
- 23552 DAVIS, J. J. Theodore Henry Frison, 1895-1945. *J. Econ. Ent.* 38: 729-730. Dec. 1945. 421 J822
- 23553 HUMPHREY, H. B., and STEVENSON, F. J. Edward Franklin Gaines 1886-1944. *Phytopathology* 36: 87-91. Feb. 1946. Ref. 464.8 P56  
List of his publications.
- 23554 HUNKIN, J. W. William Curtis, founder of the Botanical Magazine. *Endeavour* 5: 13-17. Jan. 1946. 472 En2
- 23555 JOHN A. PERRER, island patriarch; a man who has served Jerseydom for long years. By Islander. *Jersey B.* 65: 313, 368-371. Mar. 10, 1946. 43.8 J4E
- 23556 JOHNSTON, S. Marshall P. Wilder, great American horticulturist. *Amer. Fruit Grower* 66(2): 26. Feb. 1946. 80 G85
- 23557 JORDAAN, J. J. Poultry men and women as I knew them; Frederick Charles Elford, Canada. *So. African Poultry, Pigeon and Bird Mag.* 52: 7-8. Jan. 1946. 47.8 So83
- 23558 JORDAAN, J. J. Poultry men and women as I knew them; William Powell Owen. *So. African Poultry, Pigeon and Bird Mag.* 52: 35. Feb. 1946. 47.8 So83
- 23559 LEONARD, M. D. Victor Irving Saffro, 1888-1944. *J. Econ. Ent.* 38: 727-729. Dec. 1945. 421 J822
- 23560 LYSENKO, T. D. Za razvitie ucheniia Michurina (For the development of Michurin's theory). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(6): 3-5. 1945. 20 Akl  
Ivan Vladimirovich Michurin's contributions to biology.
- 23561 MCFADDEN, M. A tribute to Gene Harsch. *Amer. Hampshire Herdsman* 21(2): 4-5. Feb. 1946. 46.8 Am33
- 23562 MATZER, E. B. Carlton Clarence Curtis 1864-1945. *Torrey Bot. Club B.* 73: 103-107. Mar. 1946. 451 T63B  
List of his publications.
- 23563 MOSS, E. H. Alfred Henry Brinkman (1873-1945). *Bryologist* 49: 1-3. Mar. 1946. 450 B84  
List of his publications.
- 23564 N., E. S. John Raymond Murlin, investigator, teacher, colleague; an appreciation. *J. Nutr.* 31(1): 5-12. Jan. 10, 1946. 389.8 J82
- 23565 NEEDHAM, J. G. The lengthened shadow of a man and his wife - I-II. *Sci. Monthly* 62: 140-150. 219-229. Feb., Mar. 1946. 470 Sci23  
John Henry Comstock and Anna Botsford Comstock.
- 23566 NEUMANN, L. Dr. Warren Gifford honored by Progressive Farmer; head of Animal Industry Department of University of Arkansas; chosen Arkansas' man of the year in agriculture. *Ark. Agr.* 23(6): 8. Feb. 1946. 276.8 Ar42
- 23567 NILSSON-LEISSNER, G. Hernfrid Witte. *K. Lantbruksakad. Tidskr.* 84: 241-244. 1945. 104 Sw3
- 23568 PELLETT, K. Charles Dadant--1817-1902. *Amer. Bee J.* 86: 98, 105. Mar. 1946. 424.8 Am3
- 23569 SHULL, C. A. Rodney Beecher Harvey [1890-1945]. *Amer. Nat.* 80: 217-220. Mar. 1, 1946. 470 Am36

- 23570 SOBOLEV, S. S. Akademik Aleksei Nikanorovich Sokolovskii i ego nauchnaia deiatel'nost' (Academician Alexei Nikanorovich Sokolovskii and his scientific activity). *Pochvovedenie (Pedology)*, No. 8, p. 436-439. 1945. 57.8 P34  
List of his publications.

- 23571 STOLETOV, V. N. Trofim Denisovich Lysenko. *Sovkhoz. Proizvod.* 5(10): 34-48. Oct. 1945. 20 So85

Discussion of his contributions to biology.

- 23572 TREWAVAS, E. Dr. L. Cernovitsov [1902-1945]. *Nature* [London, 157: 219-220. Feb. 23, 1946. 472 N21

- 23573 ZENKEVICH, L. A. I. I. Mechnikov kak biolog-evoliutsionist [Mechnikov as a biologist-evolutionist]. *Uspekhi Sovremennoi Biol.* 20(1): 20-25. 1945. 442.8 Ex3

## METEOROLOGY

- 23574 CASA PACHECO, MARQUES DE. La lluvia y sus efectos en el campo. *Surco* [Madrid, 4(45): 27-28. Nov. 1945. 15 Su7

- 23575 LIU, E. L. Climate and China's agricultural industry. *J. Geog.* 45: 90-96. Mar. 1946. 278.8 J82

## RESEARCH

- 23576 AGRICULTURAL research in Scotland in 1944; being a brief summary of the work at the Scottish agricultural research stations and agricultural and veterinary colleges during the year. *Highland and Agr. Soc. Scot. Trans. (ser. 5) (1945) 57: 73-87. 10 H536*

- 23577 BEKHTEREV, V. Bol'she vnimaniia nauchno-issledovatel'skoi rabote [Greater attention to scientific-research work]. *Sovkhoz. Proizvod.* 5(8/9): 43-44. Aug./Sept. 1945. 20 So85

- 23578 NEEDHAM, J. Science and technology in China's far south-east. *Nature* [London, 157: 175-177. Feb. 16, 1946. 472 N21  
Includes agricultural research.

## STATISTICS

- 23579 ANOS, A. Un método gráfico para hallar el número necesario de repeticiones en las experiencias comparativas. *Spain. Inst. Nac. de Invest. Agron.* B. 13, p. 1-16. Dec. 1945. 105.6 Spl4  
English summary.

- 23580 ZIMMERMANN, G. Der "t-test," ein hilfsmittel für die statistische bearbeitung von ergebnissen biologischer versuche. *Landw. Jahrb. der Schweiz* 59: 893-914. 1945. Ref. 17 L23

## NEW PERIODICALS AND SERIALS

- 23581 AMERICAN SOCIETY OF REFRIGERATING ENGINEERS. Refrigeration abstracts. Vol. 1, No. 1, Jan. 1946. Columns 1-66, xxix p. New York. 295.8 R253

- 23582 CHILE. DIRECCION GENERAL DE AGRICULTURA. BIBLIOTECA CENTRAL. Informaciones bibliográficas. Bimonthly. No. 1, Sept./Oct. 1945. 43 p., processed. Santiago. 241 C43

- 23583 LA FRANCE AGRICOLE; hebdomadaire agricole d'information. Vol. 1, No. 5, July 1945. 12 p. Paris, 4 Rue Choron. 14 F8497

- 23584 LA INDUSTRIA FORESTAL. Quarterly. Vol. 1, No. 1, Jan. 1945. 38 p. Mexico, Cámara Nacional de las Industrias Forestales. 99.8 In23

- 23585 OUR MILK. Monthly. Vol. 1, No. 1, Oct. 1945. 4 p. n. p., Milton Co-op. Dairy. 280.28 Ou7

- 23586 SASKATCHEWAN NEWS. Vol. 1, No. 8, Nov. 19, 1945. 4 p. Regina, Bur. of Pubs. 280.8 Sa7  
Contains agricultural news.

- 23587 SUNSHINE FUTURE FARMER. Monthly? Vol. 1, No. 2, Oct. 1945. 8 p. State College, N. Mex. Assoc. of Future Farmers of Amer. 4 Su7

- 23588 WESTERN RESERVE FARMER. Monthly. Vol. 1, No. 1, Jan. 1946. 10 p. Cleveland, Cleveland Farmers' Club. 6 W5292

Supersedes the Cleveland Farmers' Club News Bulletin.



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PUBLICATIONS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, STATE AGRICULTURAL EXPERIMENT STATIONS, STATE AGRICULTURAL EXTENSION SERVICES, AND BOOKS AND PAMPHLETS FROM OTHER SOURCES

U. S. D. A. PUBLICATIONS

Includes printed and processed publications of the Department received in the library during the preceding month, except restricted publications and materials issued for internal administrative use rather than for public distribution.

The semiannual list of periodicals issued by the Department, usually included in the June issue, is omitted.

Printed publications may be obtained free upon application to the Office of Information, United States Department of Agriculture, Washington 25, D. C., as long as the Department's supply lasts. After this free distribution is exhausted, publications may be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Processed publications may ordinarily be obtained free of charge from the issuing bureau as long as the supply lasts.

Publications preceded by an asterisk (\*) are not available for distribution; microfilm or photoprint copies can be supplied at the cost of preparing them.

Agricultural Information Series

23589 FARMER Jones' timber crop. U. S. D. A. AIS-35, 15 p. 1946. 1 Ag84A1

23590 U. S. MEAT stamps. U. S. D. A. AIS-47, 4 p. 1946. 1 Ag84A1

Grade and inspection.  
23591 WATER for the modern farmstead. U. S. D. A. AIS-44, 4 p. 1946. 1 Ag84A1

Water-system plan.  
23592 YOUTH learns and earns while helping on farms with the Victory Farm Volunteers. U. S. D. A. AIS-50. Folder. 1946. 1 Ag84A1

Circulars

23593 DOUCETTE, C. F., and LATTA, R. The lily weevil [*Aspidiotus nigrus*], a potentially serious pest in the Pacific Northwest. U. S. D. A. C. 746, 24 p. 1946. 1 Ag84C

23594 REID, E. H., and PICKFORD, G. D. Judging mountain meadow range condition in eastern Oregon and eastern Washington. U. S. D. A. C. 748, 31 p. 1946. 1 Ag84C

Leaflets

23595 BEATTIE, J. H. Rhubarb production. U. S. D. A. Leaflet 126, rev., 4 p. 1946. 1 Ag84L

Miscellaneous Publications

23596 IMPROVING pastures and grasslands for the Northeastern States at the U. S. Regional Pasture Research Laboratory. U. S. D. A. Misc. P. 590, 29 p. 1946. Ref. 1 Ag84M

23597 MATLACK, M. B. Instructions on processing for community frozen-food locker plants. U. S. D. A. Misc. P. 588, 52 p. 1946. Ref. 1 Ag84M

23598 PEACETIME adjustments in farming. U. S. D. A. Misc. P. 595, 52 p. 1945. 1 Ag84M

23599 PLANNING your farmstead wiring and lighting. U. S. D. A. Misc. P. 597, 31 p. 1946. 1 Ag84M

23600 THOMPSON, M. A. Summary of State and territorial plant quarantines affecting interstate shipments. U. S. D. A. Misc. P. 80, rev., 116 p. 1946. 1 Ag84M

Radio Broadcasts (Processed)

23601 TONKIN, J., and others. Garden show. 5 p. Mar. 23, 1946. (Amer. Farmer) 1.914 R2R11  
Interview with R. Magruder, S. P. Doolittle, and W. H. White.

23602 TONKIN, J., and others. National 4-H Club Week. 8 p. Mar. 9, 1946. (Amer. Farmer) 1.914 R2R11

J. Warfield, C. Sperow, P. Alampi, G. Ruwet, K. Japen, D. Emigh, D. Elliott, and B. J. Reynolds participating.

Technical Bulletins

23603 PHILLIPS, R. W., and SCHOTT, R. G. The genetics, physiology, and economic importance of the multipple trait in sheep. U. S. D. A. Tech. B. 909, 16 p. 1945. 1 Ag84Te

23604 RYGG, G. L. Compositional changes in the date fruit during growth and ripening. U. S. D. A. Tech. B. 910, 51 p. 1946. Ref. 1 Ag84Te

Unnumbered Publications

23605 HOECKER, R. W., and BRITTIN, L. H. Florida's production of agricultural perishables in relation to the development of air freight. 47 p. 1945. 1 Ec7F1o

AGRICULTURAL AND INDUSTRIAL CHEMISTRY, BUREAU OF

23606 NOWAKOWSKA, J., and WIEBE, R. Bibliography on construction, design, economics, performance, and theory of portable and small stationary gas producers. U. S. Bur. Agr. and Indus. Chem. AIC-103, 96 p., processed. Peoria, North. Region. Res. Lab., 1945. 1.932 A2Ag82

23607 SELECTED list of publications, Western Regional Research Laboratory. 20 p., processed. Albany, Calif., 1946. 1. 9321 W2Se4

AGRICULTURAL ECONOMICS, BUREAU OF

23608 BOTT, R. R. Cost of producing and marketing gum naval stores in 1943, 1944, and first half of 1945. 12 p., processed. 1946. 1.941 A2C82

23609 CATTLE on feed - April 1, 1946. 2 p., processed. 1946. 1.9 Ec742Caf

23610 CLAWSON, M. The expanding productive potential of Western agriculture. 9 p., processed. Berkeley, 1946. 1.941 A2C57

Paper at Conference on Marketing and Distribution, "Dynamic Forces Affecting the Agricultural Economy," Corvallis, Jan. 16, 1946.

Available at the Berkeley, Calif., office.

23611 GOLDENWEISER, E. A. Impressions of Europe - summer 1945. 6 p., processed. 1945.

1.941 A2Imp

Address at the 23d Annual Agricultural Outlook Conference, Washington, D. C., Dec. 3, 1945.

General economic conditions.

23612 GRONBECH, G. A., and GOLDSMITH, S. F. Cash receipts from farming, by States and commodities calendar years 1924-44. 183 p., processed. 1946. 1.941 H22C26

23613 HANSEN, P. L. World trends in major oil crops. 62 p., processed. 1946. (F.M.54) 1.941 L6F22



23614 HEFLEBOWER, R. B. Outlook for supplies and prices of building materials and household equipment and furnishings. 9 p., processed. 1945.

1.941 F30u8

Address at the Annual Agricultural Outlook Conference, Washington, D. C., Dec. 5, 1945.

23615 HOME gardens and home preserving in 1945 (with some intentions for 1946). 32 p., processed. 1946. 1.941 A2H75

23616 HONEY and beeswax production - 1945. 10 p., processed. 1946. 1.941 H8H75

23617 IRACH, D. B. Cropland use and soil fertility practice in war and peace. 58 p., processed. 1946. (F. M. 52) 1.941 L6F22

23618 JOHNSON, R. E. Poultry-ration costs and poultry-feed price ratios, 1924-45. 75 p., processed. 1946. 1.941 H2P86

23619 METZLER, W. H. Wages and wage rates of farm workers in the citrus harvest, Los Angeles area, California, April-June 1945. 21 p., processed. 1945. (Survey of Wages and Wage Rates in Agr., Rpt. No. 5) 1.941 R3Su7

23620 PALMER, C. D., SCHLOTZHAUER, E. O., and KIESLER, P. F. Citrus fruits: production, farm disposition, value and utilization of sales, crop seasons, 1909-10 to 1943-44. 44 p., processed. 1945. 1.941 A8C49

23621 REPORT of the director of the Office of Marketing Services, 1945. 92 p. 1945. 1 F733R

23622 ROBERTS, R. L. Some postwar rural trends in Kentucky, North Carolina, Tennessee, Virginia, and West Virginia. 6 p., processed. 1946. 1.941 R7So5

23623 THOMPSON, M. Veterans may get self-teaching books from libraries or publishers. 2 p., processed. 1946. 1.941 A2V64

Preliminary.

23624 THOMPSON, N. O. Economics of flax production in Kansas. 24 p., processed. Lincoln, 1946. 1.941 A2Ec7

Kansas Agricultural Experiment Station cooperating. 23625 WOOL production and income 1944 - 1945. 2 p., processed. 1946. 1.9 Ec7L3Wp

23626 YOUNG, G. E. Government policies as they affect a rural housing program. 16 p., processed. 1946. 1.941 A2Y82

Presented to the Central States Extension Housing Conference, Chicago, Jan. 24-26, 1946.

23627 YOUNG chickens and potential layers on farms, 1944-46. 3 p., processed. 1946. 1.941 H8C432

#### AGRICULTURAL RESEARCH ADMINISTRATION

23628 COGHILL, R. D., and DROWN, M. J. Penicillin made available through agricultural research. 2 p., processed. 1946. (R. A. S. 52 (C)) 1.98 R31

23629 JONES, J. W., and MOSEMAN, A. H. Continuous submergence controls weeds in California rice fields. 2 p., processed. 1946. (R. A. S. 55 (P)) 1.98 R31

23630 SPEH, C. F. The four regional research laboratories. 10 p., processed. 1946. 1.932 A2Sp3

Talk at the conference of the National Farm Chemical Council, St. Louis, Mar. 18, 1946.

23631 SPENCER, D. A., and BURCH, D. S. Increasing domestic production of Persian lamb fur. 2 p., processed. 1946. (R. A. S. 54 (A)) 1.98 R31

#### DAIRY INDUSTRY, BUREAU OF

23632 PROCEDURE for the determination of vitamin A and carotene in market butters. U. S. Bur. Dairy Indus. BDIM-986, rev., 5 p., processed. 1946. 1.9 B14Bd

#### ENTOMOLOGY AND PLANT QUARANTINE, BUREAU OF

23633 CRAIGHEAD, F. C., and BROWN, R. C. Summary of 1945 DDT investigations for control of forest insects with special reference to aerial application. U. S. Bur. Ent. and Plant Quar. E-684, 14 p., processed. 1946. 1.9 En83

23634 DDT FOR the control of the Japanese beetle (*Popillia japonica*). 3 p., processed. 1946. 1.967 A2D33

23635 MEXICAN fruitfly (*Anastrepha ludens*; regulations revised--sterilization of grapefruit required. 1 p., processed. 1946. (B. E. P. Q. 548) 1.9 F73

#### EXTENSION SERVICE

23636 ARBOUR, M. B., and MASON, I. C. An evaluation of the Louisiana Farmers' Almanac: a study of the understanding and use of the almanac by 216 farm families in four parishes of Louisiana, 1945. U. S. Ext. Serv. Ext. Serv. C. 434, 8 p., processed. 1946. 1.9 Ex892Esc

23637 ARRANGEMENT for the movement of farm machinery and agricultural labor between the mid-western United States and the Prairie Provinces of Canada at harvest time. U. S. Ext. Serv. EFL C. 33, 8 p., processed. 1946. 1.913 E2Ex84

23638 CONFERENCE report on the contribution of extension methods and techniques toward the rehabilitation of war-torn countries, Washington, D. C., Sept. 19-22, 1944. 239 p. 1945. 1 Ex892Con

U. S. Office of Foreign Agricultural Relations co-operating.

23639 CROY, O. C. Principles that should guide the supervisor in the development of extension programs. 3 p., processed. 1946. 1.913 A2P933

Outline of talk at conference of Extension Supervisors, La Fayette, Mar. 7-9, 1946.

23640 EDUCATIONAL measurement. (Excerpts.) 3 p., processed. 1946. 1.913 A2Ea83

23641 GRAUBARD, M. The farmer's stake in atomic developments. 7 p., processed. 1946. 1.913 A2F222

Address, Jan. 7, 1946, before the Annual Extension Institute of the Extension Service, Washington, D. C.

23642 HOCHBAUM, H. W. Our opportunities and responsibilities for expanding cooperative extension work. 5 p., processed. 1946. 1.913 F5H65

Talk at conference of extension supervisors, Purdue University, Mar. 7-9; at Lincoln, Nebr., Mar. 13-15, 1946.

23643 HOGAN, M. A look ahead in home demonstration work. 9 p., processed. 1946. 1.913 C2H67

Talk at the Tennessee State Extension Conference, Memphis, Jan. 13, 1946.

23644 MILLER, H. R. Problems of the dairy industry in readjustment. 5 p., processed. 1946. 1.913 A2M61

Presented to the 1946 Vermont Union Agricultural Meetings and Farm Products Show, Burlington, Jan. 25, 1946.

23645 WILSON, M. L. The importance of gardening to the future of the Nation. 3 p., processed. 1946. 1.913 A2W69

Summary of statement at the National Garden Conference, Washington, D. C., Mar. 26, 1946.

#### FARM CREDIT ADMINISTRATION

23646 LIST of printed and processed material. 6 p., processed. Kansas City, 1945. 1.955 I2L69

Supplements circulars A-17 and A-23. 23647 VAN HORN, J. L. Analysis of the 1944 Wyoming wool clip marketed under the Commodity Credit Corporation Purchase Plan. 18 p., processed. 1946. 1.955 C2Anl

23648 WHEN we appraise your farm. U. S. Farm Credit Admin. C. 13, rev., 10 p. 1945. 166.2 C49



## FARM SECURITY ADMINISTRATION

- 23649 THE ANNUAL report of the Farm Security Administration, 1944-45. 15 p., processed. 1945? 1 Ag84; also 1.5 R29
- 23650 FARM Security services for veterans who want to farm. 2 p., processed. 1946. 1.95 P2266

## FOREIGN AGRICULTURAL RELATIONS, OFFICE OF

- 23651 SCHREIBER, W. R. World dried-peach production smaller. 6 p., processed. 1945. (FDF - 7) 1.943 F112
- 23652 SCHREIBER, W. R. World dried-pear production lower. 5 p., processed. 1946. (FDF - 9) 1.943 F112
- 23653 SCHREIBER, W. R. World's 1945 raisin production smaller. 13 p., processed. 1946. (FDF - 8) 1.943 F112
- 23654 WITT, L. Postwar markets for rotenone. 7 p., processed. 1946. 1.943 P842

## FOREST SERVICE

- 23655 ANNUAL report, Lake States Forest Experiment Station, 1945. 20 p., processed. University Farm, St. Paul, 1946. 1.9 F7625I
- 23656 CARTER, R. M. Piling and its effect on drying in natural circulation kilns. U. S. Forest Serv. Northeast. Forest Expt. Sta. Forest Prod. Paper 2, 10 p., processed. Philadelphia, 1946. 1.9622 N2F762
- 23657 CARTER, R. M. Principles of design that affect the operation of a natural circulation kiln. U. S. Forest Serv. Northeast. Forest Expt. Sta. Forest Prod. Paper 3, 10 p., processed. Philadelphia, 1946. 1.9622 N2F762
- 23658 EFFECT of windbreaks on wind velocity. 1 p. 1946? 1.962 A2E73
- 23659 PRESENT lumber situation in the United States and possible measures to increase supply. 15 p., processed. 1946. 1.962 F4P92
- 23660 PROTECT his America! Only you can prevent forest fires. Poster. 1945. 1.9 F76Pr
- 23661 REYNOLDS, R. R. Pulpwood- and log-production costs in 1945 as compared with 1940. U. S. Forest Serv. South. Forest Expt. Sta. Occas. Paper 107, 7 p., processed. New Orleans, 1945. 1.9 F76240
- 23662 TECHNICAL notes. 5 Nos. 1 p., each. Processed. University Farm, St. Paul, Lake States Forest Expt. Sta., 1946. 1.9 F7625T
- No. 251. How to improve aspen stocking following summer logging, by P. J. Zehngraff.
- No. 252. Most Lake States lumber now produced by smaller sawmills, by A. G. Horn.
- No. 253. Cutting immature oak timber sacrifices quality increment, by H. F. Scholz.
- No. 254. Successful jack pine regeneration in lower Michigan, by P. O. Rudolf.
- No. 255. A quick method of estimating cull in Northern hardwood stands, by W. M. Zillgitt.
- 23663 WATTS, L. F. Forests and forest wildlife in the postwar era. 5 p., processed. 1946. 1.962 A2W34
- Address at the North American Wildlife Conference, New York City, Mar. 11, 1946.
- 23664 WHAT we get from trees. Poster. 1945. 1.8 F76Wh

## INFORMATION, OFFICE OF

- 23665 THEY need food. 7 p., processed. 1946. 1.914 A2T342

## LIBRARY

- 23666 AVAILABLE bibliographies and lists. U. S. D. A. Libr. Libr. List 25, 3 p., processed. 1946. 1.916 L612

- 23667 MCNEILL, J. M. Effects of temperature and humidity on cellulosic materials with special reference to tire cord; a list of references. U. S. D. A. Libr. Libr. List 24, 9 p., processed. 1946. 1.916 L612

PLANT INDUSTRY, SOILS,  
AND AGRICULTURAL ENGINEERING, BUREAU OF

- 23668 JENKINS, M. T., and ELLIOTT, C. Helminthosporium turcicum leaf blight ratings on corn at Plant Industry Station, Beltsville, Md., 1945. 16 p., processed. Beltsville, Md., 1946. 1.965 E36
- 23669 SOURCES of ginseng seed. 2 p., processed. 1946. 1.965 T2So8
- 23670 ULRICH, H. P., and others. Soil survey of Martin County, Indiana. U. S. Bur. Plant Indus., Soils, and Agr. Engin. [Soil Survey Rpt.] Ser. 1936, No. 23, 72 p. 1946. 1 So32F
- T. E. Barnes, S. Myers, R. G. Leighty, and A. T. Viancko, joint authors.
- Indiana Agricultural Experiment Station cooperating. Folded map in pocket.

## PRODUCTION AND MARKETING ADMINISTRATION

- 23671 THE AGRICULTURAL Conservation Program for Arizona; 1946 handbook. 18 p. 1945. (WR 46-1, Ariz.) 1.42 W52F
- Similar handbooks for States of the Western Region.
- 23672 CRONIN, F. D. Suggestions on preparing the wool clip for market. 3 p., processed. 1946. 1.95 L75Su3
- 23673 DETERMINATION of fair and reasonable wage rates for persons employed in production, cultivation, or harvesting of sugarcane in Hawaii during the calendar year 1946. 1 p. 1946. (S. D. 233) 1.94 Su3Sd
- 23674 DETERMINATION of fair and reasonable wage rates for persons employed in the production, cultivation, or harvesting of sugarcane in the Virgin Islands during the calendar year 1946. 1 p. 1946. (S. D. 230) 1.94 Su3Sd
- 23675 DRIVEN-IN receipts of livestock, 1945. 22 p., processed. 1946. 1.9 Ec713Dr
- 23676 FAIR and reasonable prices for 1945-46 crop of Puerto Rican sugarcane. 1 p. 1946. (S. D. 232) 1.94 Su3Sd
- 23677 HANDBOOK of official grain standards of the United States. Slightly rev., 101 p. 1946. 1 M346Ha
- 23678 IOWA committeeman's practice handbook. 6 p. 1945. (NCR-46-1-Ia.) 1.42 N75B
- Similar handbooks for States of the North Central Region.
- Practices for the 1946 Agricultural Conservation Program.
- 23679 KENTUCKY handbook of conservation practices, 1946. 11 p. 1945. (ECR-1001-Ky.) 1.42 Ea7B
- Similar handbooks for States of the East Central Region.
- 23680 LENNARTSON, R. W. Postwar adjustment and price support operations. 5 p., processed. 1946. 1.956 P86L54
- Talk before the Missouri Egg and Poultry Shippers' Association, St. Louis, Feb. 25, 1946.
- 23681 1946 AGRICULTURAL Conservation Program bulletin. 11 p. 1945. (ACP-1946) 1.42 A44Acb
- 23682 THE 1946 Agricultural Conservation Program for New Hampshire. 6 p. 1945? (NER-1010-N. H.) 1.42 N76F
- 23683 THE 1946 Agricultural Conservation Program for Pennsylvania. 6 p. 1945? (NER-1010-Pa.) 1.42 N76F
- 23684 1946--conservation materials and services. 43 p. 1945. (ECR-1010) 1.42 Ea7B

- 23685 RISSER, R. G. Summary of the carlot arrivals, diversions and unloads of fresh fruits and vegetables at Fort Worth, Texas, during 1943, 1944, 1945, including unloads by months and by States of origin during 1945. 9 p., processed. Fort Worth, 1946? 1.9 Ec741Cu
- 23686 STATISTICAL summary of operations of the U. S. beet sugar industry for the 45 year period, 1901-45. Rev., 1 p., processed. 1946. 1.956 Su3St2

## SECRETARY, OFFICE OF

- 23687 ANDERSON, C. P. Jackson County [Missouri] and the world food crisis. 11 p., processed. 1946. 1.91 A2An2
- Talk before the Jackson County Farm Bureau, Independence, Mar. 18, 1946.
- 23688 ANDERSON, C. P. Public relations at home and abroad. 10 p., processed. 1946. 1.91 A2An2
- Talk at a meeting of the American Public Relations Association, Washington, D. C., Mar. 30, 1946.
- 23689 ANDERSON, C. P. Remarks to the National Garden Conference, Washington, D. C., Mar. 26, 1946. 4 p., processed. 1946. 1.91 A2An2
- 23690 ANDERSON, C. P. Statement regarding exports of wheat and flour during the first quarter of 1946. 4 p., processed. 1946. 1.91 A2An2

## SOIL CONSERVATION SERVICE

- 23691 BENNETT, H. H. Soil conservation and citizenship. 10 p., processed. 1946. 1.96 Ad62
- Address at the Southwest Illinois Teachers Conference, East St. Louis, Apr. 5, 1946.
- 23692 BENNETT, H. H. Soil conservation today and tomorrow. 9 p., processed. 1946. 1.96 Ad62
- Address at St. Louis regional chapter of Friends of the Land, Apr. 5, 1946.
- 23693 BLANEY, H. F., and CRIDDLE, W. D. A method of estimating water requirements in irrigated areas from climatological data. 23 p., processed. 1946. 1.96 R31Met

- 23694 CARRIER, L. No man layeth it to heart. 3 p., processed. 1946. 1.96 L22N
- Soil conservation.
- 23695 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Columbia Basin, April 1, 1946. 28 p., processed. 1946. 1.96 R31Fs
- 23696 FEDERAL-STATE cooperative snow surveys and irrigation water forecasts for Oregon, April 1, 1946. 26 p., processed. 1946. 1.96 R31Fso
- Oregon Agricultural Experiment Station cooperating.
- 23697 GROVER, D. I. Range condition; a classification of the annual forage type. 17 p., processed. Corning, Calif., 1945. 1.9609 R164
- Corning Soil Conservation District.
- 23698 HUMPHREY, R. R. Range condition; a classification of the Palouse grass type. 12 p., processed. Portland? Oreg., 1945. 1.9609 R166
- 23699 JENSEN, C. Range condition; a classification of the grassland-juniper type of central Oregon. 13 p., processed. Portland? 1945. 1.9609 R163
- 23700 MCNUTT, W. D. Range condition; a classification of the annual forage type in the Pajaro Soil Conservation District. 13 p., processed. Watsonville, Calif., 1945. 1.9609 R165
- 23701 PHYSICAL land conditions affecting use, conservation and management of land resources, Coffey County, Kansas. 21 p., processed. 1946. 1.96 L22Phy
- Kansas Agricultural Experiment Station cooperating.
- 23702 RAMSER, C. E. Investigations pertaining to run-off from farm land in Murray County, Minnesota. Slightly Rev., 24 p., processed. 1946. 1.96 Ad61v
- 23703 ROGERS, J. B. Range condition; a classification of the annual grass-weed forage type. 9 p., processed. Walnut Creek, Calif., 1945. 1.9609 R167
- 23704 YOUNG, V. A. Range condition; a classification of the annual type vegetation found within the Soil Conservation Districts in San Diego County, California. 10 p., processed. Escondido, Calif., 1945. 1.9609 R162



STATE AGRICULTURAL EXPERIMENT STATION PUBLICATIONS

May 1946

Includes State Agricultural Experiment Station publications received in the library during the preceding month. Articles in Station periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Experiment Stations are not available from the U. S. Department of Agriculture but are often available from the publishing State agricultural experiment station.

Mimeographed or processed material issued by the State Agricultural Experiment Stations is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

Alabama Agricultural Experiment Station, Auburn

23705 54th and 55th annual reports, January 1, 1943-December 31, 1944. 39 p. 1946. 100 ALLS

Alaska Agricultural Experiment Station, College

23706 EBERT, W. J. Wintering breeding ewes in Alaska. Alaska. Agr. Expt. Sta. C. 6, 8 p. 1945. 100 ALL22E

Arkansas Agricultural Experiment Station, Fayetteville

23707 OSGOOD, O. T., and HEDGES, T. R. Practices used in the production, canning, and marketing of northwestern Arkansas tomatoes in 1940-41. Ark. Agr. Expt. Sta. B. 460, 45 p. 1945. 100 Ar42

California Agricultural Experiment Station, Berkeley

23708 BATCHELOR, L. D., BRAUCHER, O. L., and SERR, E. F. Walnut production in California. Calif. Agr. Expt. Sta. C. 364, 34 p. 1945. 100 C12S

Colorado Agricultural Experiment Station, Fort Collins

23709 FIFTY-EIGHTH annual report, Colorado Agricultural Experiment Station, 1944-45. 51 p. 1945. 100 C71S

Delaware Agricultural Experiment Station, Newark

23710 BAUSMAN, R. O. Suggested agricultural production for Delaware, 1946. Del. Agr. Expt. Sta. Pam. 20, 6 p., processed. 1945. 100 D37H

23711 BAUSMAN, R. O. Estimated number and value of farm machines and implements that will be purchased in Delaware during 1946 and 1947, if inventories are brought up to requirements. Del. Agr. Expt. Sta. Pam. 21, 2 p., processed. 1945. 100 D37H

23712 BAUSMAN, R. O. Cash farm income by counties and by commodities Delaware, 1941, 1942, 1943 and 1944. Del. Agr. Expt. Sta. Pam. 22, 6 p., processed. 1945. 100 D37H

23713 OILLIGAN, G. M., and WOODMANSEE, C. W. Effect of storage conditions on ascorbic acid content of kale and cantaloupe. Del. Agr. Expt. Sta. Pam. 23, 3 p., processed. 1946. 100 D37H

A contribution to the National Cooperative Project, Conservation of Nutritive Value of Foods.

Florida Agricultural Experiment Station, Gainesville

23714 OLASSCOCK, R. S. Selecting, fitting and showing the beef steer. Fla. Agr. Expt. Sta. B. 421, 37 p. 1946. 100 F66S

Georgia Agricultural Experiment Station, Experiment

23715 BLEDSOE, R. P., and GORE, U. R. Growing pure seed of small grains. Ga. Agr. Expt. Sta. Press B. 562, 2 p., processed. 1946. 100 G29P

23716 BALLARD, W. W., SMITH, A. L., and BLEDSOE, R. P. Cotton variety tests in Georgia, 1944-45. Ga. Agr. Expt. Sta. C. 149, 8 p. 1946. 100 G29S

23717 WOODROOF, J. G., and ATKINSON, I. S. Canning beef. Ga. Agr. Expt. Sta. C. 150, 8 p. 1946. 100 G29S

Indiana Agricultural Experiment Station, Lafayette

23718 WILEMAN, R. H., and ULLSTRUP, A. J. A study of factors determining safe drying temperatures for seed corn. Ind. Agr. Expt. Sta. B. 509, 10 p. 1945. 100 In2P

U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering cooperating.

Iowa Agricultural Experiment Station, Ames

23719 VOLZ, E. C. Growing garden roses. Iowa. Agr. Expt. Sta. B. P76, p. 531-555. 1945. 100 Io9

23720 BUDOLFSON, M. Planning the kitchen. Iowa. Agr. Expt. Sta. B. P77, p. 559-575. 1945. 100 Io9

23721 VAN VLACK, C. H., and SIMPSON, R. Modernizing a midwestern farmhouse. Iowa. Agr. Expt. Sta. B. P78, p. 578-596. 1946. 100 Io9

23722 ROBINSON, J. L., and REISS, F. The 1945 Iowa corn yield test. Iowa. Agr. Expt. Sta. B. P79, p. 600-642. 1946. 100 Io9

23723 NAGEL, C. M. Epiphytology and control of sugar beet leaf spot caused by *Cercospora beticola* Sacc. Iowa. Agr. Expt. Sta. Res. B. 338, p. 680-706. 1945. Ref. 100 Io9

23724 BOECKER, W. H., and HAMMER, B. W. Bacteriology of butter. VIII. Salt distribution in butter and its effect on bacterial growth. Iowa. Agr. Expt. Sta. Res. B. 339, p. 709-762. 1945. Ref. 100 Io9

23725 ÅBERG, E., PORTER, R. H., and ROBBINS, W. A. Further experiments with the Iowa air blast seed separator for the analysis of small-seeded grasses. Iowa. Agr. Expt. Sta. Res. B. 340, p. 767-804. 1945. 100 Io9

23726 HOUSEMAN, E. E., WEBER, C. R., and FREDERER, N. T. Pre-harvest sampling of soybeans for yield and quality. Iowa. Agr. Expt. Sta. Res. B. 341, p. 805-826. 1946. 100 Io9

U. S. Bureau of Agricultural Economics, and Bureau of Plant Industry, Soils and Agricultural Engineering cooperating.

Kentucky Agricultural Experiment Station, Lexington

23727 BEERS, H. W., and HEFLIN, C. P. The Negro population of Kentucky. Ky. Agr. Expt. Sta. B. 481, 35 p. 1946. 100 K41

Maine Agricultural Experiment Station, Orono

23728 CHUCKA, J. A., and others. Size of whole and cut seed and spacing in relation to potato yields. Maine. Agr. Expt. Sta. B. 439, 33 p. 1945. 100 M26S

A. Hawkins, B. E. Brown, and F. H. Steinmetz, joint authors.

Massachusetts Agricultural Experiment Station, Amherst

23729 ANNUAL report of the Massachusetts Agricultural Experiment Station, 1944-45. Mass. Agr. Expt. Sta. B. 428, 71 p. 1945. 100 M36H

23730 INSPECTION of commercial fertilizers and agricultural lime products. Mass. Agr. Expt. Sta. Control Ser. B. 126, 28 p. 1945. 100 M36H

23731 GUNNESS, C. I. Meteorological observations for February, 1946. Mass. Agr. Expt. Sta. Met. Ser. B. 686, 4 p. 1946. 100 M36H



Michigan Agricultural Experiment Station, East Lansing

23732 REBMAN, E. F. Improving farm labor efficiency. Mich. Agr. Expt. Sta. Spec. B. 334, 18 p. 1945. 100 M58S

23733 TROUT, G. M., and FARRALL, A. W. High-temperature short-time pasteurization; papers presented at the Special High-temperature, Short-time Pasteurization Conference held at Michigan State College, May 22-23, 1945. Mich. Agr. Expt. Sta. Spec. B. 335, 95 p. 1946. 100 M58S

Contents: Some advantages and disadvantages of high-temperature short-time pasteurization, by L. H. Burgwald, p. 5-9; How does the quality of the milk supply affect its pasteurizability by the short-time method, by L. H. Burgwald, p. 10-13; Problems in the operation of high-temperature short-time pasteurization: cleaning, sterilizing, maintenance and timing of operations, by W. W. Cavanaugh, p. 14-19; Experience in checking high-temperature short-time pasteurization to meet the public health requirements, by H. Cohen, p. 20-27; Lessons to be learned from the history of high-temperature short-time pasteurization, by A. C. Dahlberg, p. 28-33; The effect of the time and temperature of pasteurization upon some of the properties and constituents of milk, by A. C. Dahlberg, p. 34-40; Principles involved in various types of high-temperature short-time pasteurization, by A. W. Farrall, p. 41-54; Thermal death points of various microorganisms and their relation to pasteurization time, by W. L. Mallmann, p. 55-62; Routine maintenance of high-temperature short-time pasteurization control systems, by R. E. Olson, p. 63-73; Highlights of research on high-temperature short-time pasteurization, by G. M. Trout, p. 74-82; Factors to consider before adopting high-time temperature short-time pasteurization, by C. F. Weinreich, p. 83-91; Michigan's new short-time pasteurization law, by F. M. Skiver, p. 92-95.

23734 BROWN, L. H. Michigan farm organization and practices, type-of-farming area 9. Mich. Agr. Expt. Sta. Spec. B. 336, 32 p. 1946. 100 M58S

23735 QUARTERLY bulletin, v. 28, No. 3, p. 173-251. Feb. 1946. 100 M58S

Minnesota Agricultural Experiment Station, University Farm, St. Paul

23736 HAYES, H. K., RINKE, E. H., and TSIANG, Y. S. Experimental study of convergent improvement and backcrossing in corn. Minn. Agr. Expt. Sta. Tech. B. 172, 40 p. 1946. Ref. 100 M66

23737 HODSON, A. C., and WEIMAN, C. J. Factors affecting recovery from diapause and hatching of eggs of the forest tent caterpillar, *Malacosoma disatris* Hbn. Minn. Agr. Expt. Sta. Tech. B. 170, 31 p. 1945. Ref. 100 M66

Temperature.

23738 GREEN, W. W., and WINTERS, L. M. Prenatal development of the sheep. Minn. Agr. Expt. Sta. Tech. B. 169, 36 p. 1945. 100 M66

23739 KRANTZ, F. A. Potato breeding methods. III. A suggested procedure for potato breeding. Minn. Agr. Expt. Sta. Tech. B. 173, 24 p. 1946. Ref. 100 M66

23740 MINNESOTA farm and home science, v. 3, No. 2, 16 p. Feb. 20, 1946. 100 M688

Mississippi Agricultural Experiment Station, State College

23741 BATSON, F. S., and JOHNSTON, G. W. Wild flowers of Mississippi. Miss. Agr. Expt. Sta. B. 417, 60 p. 1945. 100 M69

23742 O'KELLY, J. F. Cotton varieties in the hill section of Mississippi. Miss. Agr. Expt. Sta. B. 426, 7 p. 1945. 100 M69

Missouri Agricultural Experiment Station, Columbia

23743 MILLER, M. F., SHIRKY, S. B., and L'HOTE, H. J. The Agricultural Experiment Station serves the farmer; work of the Agricultural Experiment Station during the two years ending June 30, 1943. Mo. Agr. Expt. Sta. B. 490, 131 p. 1945. 100 M693

23744 ELDER, C., CRISLER, O. S., and GENTRY, R. F. Efficacy of phenothiazine in the treatment of sheep for control of internal parasites. Mo. Agr. Expt. Sta. Res. B. 396, 12 p. 1946. Ref. 100 M693

23745 TALBERT, T. J. Cherry and plum culture in Missouri. Mo. Agr. Expt. Sta. C. 307, 16 p. 1946. 100 M693

23746 AVAILABLE publications. Mo. Agr. Expt. Sta. Serv. C. 118, 8 p. 1946. 100 M693Se

Publications of Experiment Station and Extension Service.

Nebraska Agricultural Experiment Station, Lincoln

23747 DAVIS, H. P., and TRIMBERGER, G. W. Distillers' by-products and soybean meal in dry calf starters for calves on limited quantities of milk. Nebr. Agr. Expt. Sta. Res. B. 142, 29 p. 1946. Ref. 100 N27

23748 YUNG, F. D. A zero storage cabinet. Nebr. Agr. Expt. Sta. Agr. Engin. Prog. Rpt. 12A, 4 p., processed. 1946. 100 N27A

New Jersey Agricultural Experiment Station, New Brunswick

23749 BEAR, F. E., PRINCE, A. L., and MALCOLM, J. L. Potassium needs of New Jersey soils. N. J. Agr. Expt. Sta. B. 721, 19 p. 1945. 100 N46S

23750 KING, W. A. Comparison of molasses-grass silage and ground barley-grass silage as feeds for the milking cow. N. J. Agr. Expt. Sta. B. 722, 18 p. 1945. 100 N46S

23751 KING, W. A. Comparison of molasses-timothy silage and ground barley-timothy silage as feeds for the milking cow. N. J. Agr. Expt. Sta. B. 723, 17 p. 1945. 100 N46S

23752 BLACK, L. M. A small rigid summer shelter. N. J. Agr. Expt. Sta. Hints to Poultrymen, v. 32, No. 4, 4 p. Apr./May 1945. 100 N46S

New York (Cornell) Agricultural Experiment Station, Ithaca

23753 HOSKINS, E. R. Planning programs for veterans in rural areas. N. Y. (Cornell) Agr. Expt. Sta. B. 825, 57 p. 1945. 100 N48C

New York (State) Agricultural Experiment Station, Geneva

23754 PALMITER, D. H. Ground treatments as an aid in apple scab control. N. Y. (State) Agr. Expt. Sta. B. 714, 27 p. 1946. 100 N48

23755 WELLINGTON, R. Pollination of fruit trees. N. Y. (State) Agr. Expt. Sta. C. 132, rev., 7 p. 1945. 100 N48

Oklahoma Agricultural Experiment Station, Stillwater

23756 DUNLAVY, H. E., and others. Oklahoma cotton variety tests for 1944 and 1945. Okla. Agr. Expt. Sta. Mimeo. C. M-157, 12 p., processed. 1946. 100 Ok4M

I. M. Parrott, F. W. Self, and M. Gober, joint authors.

23757 WALTON, R. R., and others. DDT: general uses. Okla. Agr. Expt. Sta. Mimeo. C. M-158, 6 p. 1946. 100 Ok4M

G. A. Bieberdorf, C. E. Brett, F. A. Fenton, D. E. Howell, and F. E. Whitehead, joint authors.

Puerto Rico Agricultural Experiment Station, Río Piedras

23758 ARROYO, R. Studies on rum. Puerto Rico. Agr. Expt. Sta. Res. B. 5, 272 p. 1945. Ref. 100 P83R



South Dakota Agricultural Experiment Station, Brookings

23759 HANSEN, N. E. Northern plant novelties for 1946. S. Dak. Agr. Expt. Sta. Hort. Pam. 34, 3 p., processed. 1946. 100 So82H

Texas Agricultural Experiment Station, College Station

23760 FRAPS, G. S., and OGIER, T. L. Changes in moisture during preparation of feed samples. Tex. Agr. Expt. Sta. Prog. Rpt. 964, 4 p., processed. 1945. 100 T31P

23761 WHITACRE, J. Influence of salt on the judging of cooked vegetables. Tex. Agr. Expt. Sta. Prog. Rpt. 965-5, 3 p., processed. 1945. 100 T31P  
National Cooperative Project, Conservation of Nutritive Value of Foods, Progress Notes.

23762 FORD, E. C., and MOTHERAL, J. R. Farm land market activity in three Texas counties: fourth quarter 1945. Tex. Agr. Expt. Sta. Prog. Rpt. 987, 2 p., processed. 1946. 100 T31P

23763 JONES, D. L. Fertilizers for white potatoes in the High Plains of Texas. Tex. Agr. Expt. Sta. Prog. Rpt. 989, 2 p., processed. 1946. 100 T31P

23764 QUINBY, J. R. Forage and seed yields of sorghum varieties. Tex. Agr. Expt. Sta. Prog. Rpt. 991, 3 p., processed. 1946. 100 T31P

23765 ROBERTS, J. E., and KILLOUGH, D. T. Main station farm cotton variety test for 1945. Tex. Agr. Expt. Sta. Prog. Rpt. 992, 3 p., processed. 1946. 100 T31P

Utah Agricultural Experiment Station, Logan

23766 FARM & home science, v. 7, No. 1, 12 p. Mar. 1946. 100 UtlF

Virginia Agricultural Experiment Station, Blacksburg

23767 PATTESON, G. W., and SHELTON, F. V. Economic land classification of Fluvanna County. Va. Agr. Expt. Sta. B. 371, 9 p. 1945. 100 V81S

23768 PATTESON, G. W., and SHELTON, F. V. Economic land classification of Greene County. Va. Agr. Expt. Sta. B. 372, 10 p. 1945. 100 V81S  
23769 STARLING, T. M., WINGARD, S. A., and MCVICKAR, M. H. Vahart wheat, a new variety for Virginia. Va. Agr. Expt. Sta. B. 386, 4 p. 1946. 100 V81S

Washington Agricultural Experiment Station, Pullman

23770 SINGLETON, H. P., ENSMINGER, M. E., and HEINEMANN, W. W. Dried molasses-beet pulp and beet molasses for fattening cattle. Wash. Agr. Expt. Sta. B. 469, 31 p. 1945. Ref. 100 W27E

West Virginia Agricultural Experiment Station, Morgantown

23771 ABRAHAMSEN, M. A. Egg and poultry marketing practices in West Virginia. W. Va. Agr. Expt. Sta. B. 323, 39 p. 1945. 100 W52

23772 SCHALLER, F. W., and others. Pasture fertilization experiments at Reymann Memorial Farm. W. Va. Agr. Expt. Sta. B. 324, 24 p. 1945. 100 W52  
G. G. Pohlman, H. O. Henderson, and R. A. Ackerman.

23773 CLARK, T. B., and CUNNINGHAM, C. J. Soybean oil meal in poultry rations. W. Va. Agr. Expt. Sta. B. 325, 15 p. 1945. 100 W52

Wisconsin Agricultural Experiment Station, Madison

23774 WHAT'S new in farm science; sixty-second annual report for the year ended June 30, 1945, Part I. Wis. Agr. Expt. Sta. B. 468, 72 p. 1945. 100 W75

23775 RESEARCH bulletins. Wis. Agr. Expt. Sta. Spec. B., Nov. 1945. Folder. 100 W75

A list of available publications.

STATE AGRICULTURAL EXTENSION SERVICE PUBLICATIONS

Includes State Agricultural Extension Service publications received in the library during the preceding month. Articles in Extension periodicals containing more than one article in an issue are listed under subject in the section on Periodical and Serial Literature.

Printed publications issued by the State Agricultural Extension Services are not available from the U. S. Department of Agriculture but are often available from the publishing State Extension Service.

Mimeographed or processed material issued by the State Agricultural Extension Service is not available from the U. S. Department of Agriculture but in some cases may be secured from the publishing institution.

Material not available from the various State institutions may be secured in microfilm or photoprint form from the U. S. Department of Agriculture Library for the cost of reproduction.

California University, College of Agriculture, Agricultural Extension Service, Berkeley

23776 SECOND annual irrigated pasture study, Colusa County, 1945. 8 p., processed. Calif. Agr. Col. Ext., 1945. 275.29 C12En

Colorado State College of Agriculture, Extension Service, Fort Collins

23777 PYKE, W. E., and BROWN, M. Cakes and cookies; recipes for different altitudes. Colo. State Col. Agr. Ext. B. 387-A, 36 p. 1946. 275.29 C71E

Reprint of Colo. Agr. Expt. Sta. B. 489.

23778 COLORADO farm bulletin, v. 8, No. 1, 15 p. Jan./Feb. 1946. 100 C71S

Connecticut University, College of Agriculture, Agricultural Extension Service, Storrs

23778 JONES, R. E. The Connecticut cold weather range shelter [for poultry]. Conn. Agr. Col. Ext. B. 379, 8 p. 1946. 275.29 C76B

Florida University, College of Agriculture, Agricultural Extension Service, Gainesville

23780 DENNIS, F. M., MEHRHOF, N. R., and O'STEEN, A. W. Final report of the Nineteenth Florida National Egg-Laying Test. 23 p. Fla. Agr. Ext. Serv., 1946? 275.29 F66F1

Hawaii University, Agricultural Extension Service, Honolulu

23781 1945 SUMMARY of fruit and vegetable unloads at Honolulu. Hawaii. U. Agr. Ext. C. 186, 30 p., processed. 1946. 275.29 H312Ac

23782 BICE, C. M. Pullorum disease (bacillary white diarrhea). Hawaii. U. Agr. Ext. C. 187, 3 p., processed. 1946. 275.29 H312Ac

23783 BICE, C. M. Worms in poultry. Hawaii. U. Agr. Ext. C. 188, 4 p., processed. 1946. 275.29 H312Ac

23784 BICE, C. M. How to select quality baby chicks. Hawaii. U. Agr. Ext. C. 191, 3 p., processed. 1946. 275.29 H312Ac

23785 BICE, C. M. How to make a post mortem examination of poultry. Hawaii. U. Agr. Ext. C. 193, 6 p., processed. 1946. 275.29 H312Ac

23786 BICE, C. M. Selecting males for the breeding pens. Hawaii. U. Agr. Ext. C. 194, 3 p., processed. 1946. 275.29 H312Ac

23787 VOLLRATH, H. Emergency pork production problems. Hawaii. U. Agr. Ext. C. 195, 4 p., processed. 1946. 275.29 H312Ac

Swine.

23788 BICE, C. M. How to control rats on the poultry farm. Hawaii. U. Agr. Ext. C. 197, 3 p., processed. 1946. 275.29 H312Ac

23789 ELLIOTT, R. Tax exemption requirements and accounting terms for cooperatives. Hawaii. U. Agr. Ext. C. 198, 15 p., processed. 1946. 275.29 H312Ac

Illinois University, College of Agriculture, Extension Service, Urbana

23790 SEARLS, E. N. Survey of limestone producers in Illinois. Ill. Agr. Col. Ext. AE2376, 6 p., processed. 1945. 275.29 IL62F

23791 ILLINOIS farm and home outlook for 1946. Ill. Agr. Col. Ext. C. 600, folder. 1946. 275.29 IL62C

Indiana - Purdue University, Agricultural Extension Service, Lafayette

23792 NORTH CENTRAL REGIONAL LAND TENURE COMMITTEE. Farming opportunities in the Midwest. Purdue. U. Agr. Ext. B. 325, 12 p. 1946. 275.29 IN2E

Guide to farm purchasing.

Kansas State College of Agriculture and Applied Science, Extension Service, Manhattan

23793 COMPTON, D. Recreational drama service. Kans. State Col. Agr. Ext. C. 181, 8 p. 1945. 275.29 K13Ex

List of plays.

23794 ELLITHORPE, V. M. House cleaning made easy. Kans. State Col. Agr. Ext. C. 184, 2 p. 1945. 275.29 K13Ex

23795 THE KANSAS agricultural outlook for 1946. Kans. State Col. Agr. Ext. C. 190, 10 p. 1945. 275.29 K13Ex

23796 GRASSHOPPER control in Kansas. Kans. State Col. Agr. Ext. C. M-39, rev., 4 p. 1945. 275.29 K13Exm

Maryland University, Colleges of Agriculture and Home Economics, Extension Service, College Park

23797 BRIGGS, G. M., and JULL, M. A. Feeds and feeding practices for chickens. Md. Agr. Col. Ext. B. 109, 27 p. 1946. 275.29 M36B

23798 CALLAWAY, R. P., and DEVAULT, S. H. Co-operative Association Law of Maryland. Md. Agr. Col. Ext. B. 110, 22 p. 1946. 275.29 M36B

23799 JULL, M. A. Culling for most profitable egg production. Md. Agr. Col. Ext. B. 111, 20 p. 1946. 275.29 M36B

Mississippi State College, Extension Service, State College

23800 BUCKLEY, K. H. Gardening for 12 months. Miss. State Col. Ext. C. 134 (30M), 8 p. 1946. 275.29 M68C

New York State College of Agriculture and Home Economics, Extension Service, Cornell University, Ithaca

23801 ASDELL, S. A. The reproduction of farm animals. N. Y. Agr. Col. Cornell Ext. B. 305, rev., 27 p. 1946. 275.29 N48E

23802 MASTERMAN, N. K., and LEE, F. A. The home freezing of farm products. N. Y. Agr. Col. Cornell Ext. B. 611, rev., 64 p. 1946. 275.29 N48E

23803 ROSS, H. E., and GUTHRIE, E. S. Dairy arithmetic. N. Y. Agr. Col. Cornell Ext. B. 675, 50 p. 1945. 275.29 N48E

23804 BUSHEY, D. J. Driveways and sidewalks. N. Y. Agr. Col. Cornell Ext. B. 693, 8 p. 1946. 275.29 N48E

23805 RAYMOND, C. B. Spinach for marketing and processing. N. Y. Agr. Col. Cornell Ext. B. 694, 16 p. 1946. 275.29 N48E

Culture.

23806 WRIGHT, F. B., and BRUCKNER, J. H. A chick brooder; Cornell lamp type, model C. N. Y. Agr. Col. Cornell Ext. B. 695, 8 p. 1946. 275.29 N48E



23807 WILLIAM, J. P. 4-H dairy club handbook. N. Y. Agr. Col. Ext. Cornell 4-H Club B. 29, rev., 96 p. 1946. 275.29 N482

South Carolina, Clemson Agricultural College, Extension Service, Clemson

23808 FACTS and recipes for corn meal and grits. Clemson Agr. Col. S. C. Ext. C. 275, 20 p. 1946. 275.29 So8E

23809 THE AGRICULTURAL outlook, South Carolina, 1946. Clemson Agr. Col. S. C. Ext. C. 277, 16 p. 1946. 275.29 So8E

23810 MORE money from cotton. Clemson Agr. Col. S. C. Ext. C. 280, 3 p. 1946. 275.29 So8E Culture.

Texas Agricultural and Mechanical College, Agricultural Extension Service, College Station

23811 BARNES, G. W., and SMITH, A. L. Guide for feeding beef calves. Tex. Agr. Col. Ext. C-226, 11 p. 1946. 275.29 T312C

23812 HICKERSON, R. B. Two-row distributor for commercial fertilizer. Tex. Agr. Col. Ext. L-45, 1 p. 1945. 275.29 T313

23813 HICKERSON, R. B. Portable grain elevator. Tex. Agr. Col. Ext. L-46, 1 p., processed. 1945. 275.29 T313

23814 BENTLEY, M. R. Smith County homemade lime and phosphate distributor. Tex. Agr. Col. Ext. L-47, 1 p., processed. 1945. 275.29 T313

Vermont University, College of Agriculture, Agricultural Extension Service, Burlington

23815 AVAILABLE publications of the Vermont Agricultural College. Vt. Agr. Col. Ext. Brieflet 724, 40 p. 1946. 275.29 V59E

West Virginia University, College of Agriculture, Agricultural Extension Service, Morgantown

23816 FARMERS and 1945 income taxes. W. Va. Agr. Ext. C. 344, 12 p. 1945. 275.29 W522C

23817 BOAL, R. S. Farming in West Virginia. W. Va. Agr. Col. Ext. C. 345, 16 p. 1946. 275.29 W522C

23818 CAMPBELL, C. E. The production of white burley tobacco. W. Va. Agr. Col. Ext. C. 346A, 16 p. 1946. 275.29 W522C

23819 CAMPBELL, C. E. White burley tobacco production. W. Va. Agr. Col. Ext. C. 346B, p. 18-40. 1946. 275.29 W522C

Includes insect control, cultivation, topping and suckering.

23820 HUMPHREYS, G. Bringing our houses up to date. W. Va. Agr. Col. Ext. Good Living Ser. XIII, The Community 1, folder. n. d. 275.29 W522G

23821 HUMPHREYS, G. United action for better health. W. Va. Agr. Col. Ext. Good Living Ser. XIII, The Community 2, folder. n. d. 275.29 W522G

23822 WASMUTH, G. Investing for the future. W. Va. Agr. Col. Ext. Good Living Ser. XIII, Family Business 1, 6 p. 1945? 275.29 W522G

23823 WASMUTH, G. Wills, deeds & family documents. W. Va. Agr. Col. Ext. Good Living Ser. XIII, Family Business 2, 6 p. 1945? 275.29 W522G

23824 CONKLE, W. H., and COFER, E. S. Good food from good soil. W. Va. Agr. Col. Ext. Good Living Ser. XIII, Foods, Nutr. and Health Lesson 1, 6 p. 1945? 275.29 W522G

23825 CONKLE, W. H., and COFER, E. S. Planning your winter garden. W. Va. Agr. Col. Ext. Good Living Ser. XIII, Foods, Nutr. and Health Lesson 2, 8 p. 1945? 275.29 W522G

23826 WASMUTH, G. Saving space in your cupboard. W. Va. Agr. Col. Ext. Good Living Ser. XIII, Kitchen Improvements 1, folder. n. d. 275.29 W522G

23827 HUMPHREYS, G. Club members in action. W. Va. Agr. Col. Ext. Good Living Ser. XIII, Lesson 1, 6 p. 1945? 275.29 W522G

Farm women's club.

Wisconsin University, College of Agriculture, Agriculture Extension Service, Madison

23828 LACEY, J. J., HAYES, J. B., and DENNETT, L. C. Fast freezing meats and poultry. Wis. Agr. Col. Ext. C. 328, rev., 12 p. 1945. 275.29 W75C

23829 CLOTHING 4-H Club work. Keep on sewing. Project II. Wis. Agr. Col. Ext. C. 4-H 4, rev., 6 p. 1945. 275.29 W75Cf

23830 BULLETIN & circular for farm & home. Wis. Agr. Col. Ext. Spec. C., 1945, folder. 275.29 W75S  
List of publications by Extension Service and Experiment Station.

BOOKS AND PAMPHLETS

Includes books and pamphlets on agriculture and closely related subjects, except restricted publications, not included in the foregoing sections which have been added to the library during the preceding month. Numbered serial publications are listed in the section on Periodical and Serial Literature.

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

23831 AGRICULTURAL revolution; land o'chaos or land o'plenty. 96 p., processed. n. p., 1945. 281.12 Ag82

Policies and programs.

23832 AUSTRALIAN BROADCASTING COMMISSION. The community can do it, make a plan. 95 p. Sydney, 1945. Ref. 280 An7

American rural centres, p. 80-82.

23833 BAYKOV, A. The development of the Soviet economic system; an essay on the experience of planning in the U. S. S. R. 514 p. Cambridge, Eng., U. Press, 1946. Ref., p. 480-495. (Nat'l. Inst. Econ. and Social Res. Econ. and Social Stud. 5) 280.179 B342

Several chapters deal with agriculture.

23834 CAMPBELL, A. S., and CAMPBELL, H. M. Applejack for breakfast. 191 p. N. Y., Scribner's, 1946. 30.4 G15

Rural life.

23835 DANIELS, J. American cooperatives, yesterday, today, tomorrow. Ed. 2, 40 p. N. Y., New Leader, 1946. 280.2 D22A

Contains chapters on farmer cooperatives.

23836 DESAI, M. N. The life and living in the rural Karnatak (with reference to Gokak Taluka). 409 p. Sirsi, India, Anand Pub., 1945. 281.2 D45

23837 DUREY, D. S. Our agricultural plan. 80 p. Allahabad, 1945? (Kitab Mahal Nat'l. Broadcast Ser. No. 7) 281.182 D85

23838 HUTCHINGS, M. M. The chronicles of Church Farm. 136 p. London, Hodder, 1945. 32 H97

Rural life.

23839 JAMAICA. CENTRAL BUREAU OF STATISTICS. Eighth census of Jamaica and its dependencies, 1943; population, housing and agriculture. 571 p. Kingston, 1945. 254.8 J223

23840 JOHNSON, S. E., and others. Managing a farm. 365 p. N. Y., Van Nostrand, 1946. (Van Nostrand Farm Handbooks) 281.12 J62

N. W. Johnson, O. J. Scoville, M. R. Cooper, and S. W. Mendum, joint authors.

23841 KENTUCKY. POSTWAR ADVISORY PLANNING COMMISSION. Final report, including "a threefold program of action for the Commonwealth." 318 p. Frankfort, 1945. 280.7 K42

Report of the Committee on Agriculture, p. 39-52.

23842 KIWANIS INTERNATIONAL. A community agricultural program. 75 p., processed. n. p., 1945. 281.12 K65



- 23843 NATIONAL COUNCIL OF SOCIAL SERVICE. Village halls and social centres in the countryside; a handbook of information. Ed. 5, 85 p. London, 1945. 296 N217
- 23844 NATIONAL NEWS-LETTER. Agriculture in Britain's national economy. 12 p. London, 1945? (Its Spec. Sup. No. 2) 281.171 N215
- 23845 NEBRASKA. DEVELOPMENT COMMITTEE. Nebraska, the state of your future. 48 p. Lincoln? 1945. 280.051 N274
- Contains sections on food processing, agricultural resources, and chemistry.
- 23846 PETERSON, A. G., MACDONALD, H. J. C., and KNOX, N. Study of experience in industrial mobilization in World War II; development of submarginal resources. 152 p., processed. Washington, U. S. Army Indus. Col. Dept. of Res., 1946. Ref. 152.238 St9
- I. Domestic agricultural resources; III. Foreign materials (includes activities in making foreign agricultural products available to the United States).
- 23847 TORRES, V. Condições de vida do trabalhador na agro-indústria do açúcar. 277 p. Rio de Janeiro, Instituto do Açúcar e do Alcool, 1945. 283 T63
- 23848 U. S. GENERAL LAND OFFICE. Vacant public lands; area by states and other information. 3 p. Washington, 1945. 156.56 V13V
- 23849 U. S. TARIFF COMMISSION. Economic controls and commercial policy in Mexico. 46 p., processed. Washington, 1946. 173 T17Ecm
- Agriculture, p. 3-5; The agrarian program, p. 19-20.
- 23850 VANCE, R. B. All these people; the nation's human resources in the South. 503 p. Chapel Hill, U. of N. C. Press, 1945. 280.002 V27
- Bibliographic notes, p. 489-492.
- Part II. Population and the agrarian economy, p. 154-247.
- 23851 WAGER, P. W. One foot on the soil, a study of subsistence homesteads in Alabama. 230 p. University, Ala., Bur. of Pub. Admin., U. of Ala., 1945. 281.006 W12
- 23852 WORLEY, L. E. Alabama's people. 56 p. University, Ala., Bur. of Pub. Admin., U. of Ala., 1945. (Ala. U. Bur. Pub. Admin. P. 20) 280.006 W89
- Data for urban and rural population.
- 23853 YIN, L. K. Chung kuo mung yeh ch'u yu (China's agricultural regions). 27 p. Chengtu, 1945. 34.1 Y5

#### AGRICULTURAL ENGINEERING

- 23854 THE TRACTOR field book. Victory ed., 175 p. Chicago, Farm Impl. News, 1945. 58 T672

#### AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

- 23855 DAY, M. V. Frozen foods and lockers (basic information sources). 17 p., processed. Washington, U. S. Bur. of Foreign and Dom. Com., 1945. 157.55 F93
- 23856 HUXLEY, A. L. Science, liberty and peace. Ed. 2, 66 p. N. Y., Harper, 1946. 330 H983
- Includes discussion of the food problem in relation to peace.
- 23857 LOCKWOOD, J. Textile costing, an aid to management. 282 p. Washington, D. C., Textile Found., 1945. (Textile Econ. Ser.) 304 L81
- Ch. VIII. Purchasing and control of textile fibers and supplies.
- 23858 NATIONAL DAIRY COUNCIL, CHICAGO. National ice cream nutrition program communiqué; insure your ice cream business; build greater future consumption. 8 p. Chicago, 1945? 389.1 N216N
- 23859 OSEBURN, B. B. Home craft course in Pennsylvania German spinning and dyeing. 53 p. Plymouth Meeting, Pa., Keyser, 1945. (Home Craft Course Ser., v. 16) 304 Osl2

- 23860 SAMMIS, J. L. Cheese making; a book for practical cheese-makers, factory patrons, agricultural colleges and dairy schools. Ed. 11, rev. and enl., 335 p. Madison, Wis., Cheese Maker Book Co., 1946. 44 D35C
- 23861 SEARS, ROEBUCK FARMER'S MARKET, ATLANTA. A marketing manual of suggestions for getting new income from farm woods and idle lands. Rev., 32 p. Atlanta, 1945. 99.75 Sel
- 23862 SHEPARD, C. Y. The sugar industry of Fiji. 60 p. London, Gt. Brit. Colon. Off., 1945. (Colon. No. 188) 281.365 G79
- 23863 U. S. BUREAU OF MANPOWER UTILIZATION. Job descriptions for the grain and feed milling industry. 146 p. Washington, 1945. 173.4 W193Jd
- Bibliography, p. 33-34.
- Includes a history of milling and the milling process.
- 23864 U. S. INSPECTED FOODS EDUCATIONAL SERVICE. J. S. housewives and U. S. graded canned fruits & vegetables. 16 p. N. Y., 1946? 280.3 Un398
- 23865 U. S. TARIFF COMMISSION. Economic controls and commercial policy in Costa Rica. 25 p., processed. Washington, 1945. 173 T17Eccr
- Includes coffee and sugar programs.
- 23866 VIDAL, A. Importância do açúcar. 175 p. Rio de Janeiro, "ASA" Artes Gráficas, 1945. 281.365 V66
- 23867 WARREN, C. A. América y el nuevo mundo lanero y textil. Ed. 3, rev., 484 p. Montevideo, Ceibo, 1945. 45 W25
- The wool and wool textile industries. Includes synthetic wool.
- 23868 WHITING, R. D. Home freezing. 16 p. Chicago, Internat'l. Harvester Co., 1945? 389.3 In82
- 23869 WILLIAMS, C. H. Angora wool; how to grow, spin and dye it at home. 40 p. London, Raven Books Ltd., 1945. 40.2 W67
- 23870 WISE, H. L. Tobacco growing and manufacture in New Zealand. 109 p. Christchurch, Whitcombe, 1945. 69 W75

#### ANIMAL INDUSTRY

- 23871 CROWELL, P. Beau Dare, American saddle colt. 57 p. N. Y., Whittlesey House, McGraw-Hill, 1946. 42 C88
- 23872 DYKSTRA, R. R. Animal sanitation and disease control. Rev. ed., 568 p. Danville, Ill., Interstate, 1946. 41 D99
- 23873 HICKEY, J. H., and BEACH, P. Know your cat. 251 p. N. Y., Harper, 1946. Ref. 48 H52
- 23874 LIPPINCOTT, W. A. Poultry production. Ed. 7, rev. by L. E. Card, 440 p. Phila., Lea & Febiger, 1946. Ref. 47 L66
- 23875 MORGAN, B. B. Bovine trichomoniasis. Rev., 180 p. Minneapolis, Burgess Pub. Co., 1946. 41 M823
- Bibliography, p. 129-144, 164-165.
- 23876 SAUNDERS, B. Training you to train your dog. 169 p. Garden City, N. Y., Doubleday, 1946. 48 S48
- 23877 VAN HOESSEN, R., ed. A book on guinea culture, covering every feature of mating, hatching, rearing, feeding, housing, marketing. 70 p. Franklinville, N. Y., The Author, 1946. 47.3 V31
- 23878 ZAVADOVSKIĬ, B. M. Upravlenie professami razmnozheniia zhivotnykh [Directing the processes of reproduction in animals]. 166 p. Moskva, "Sel'-khozgiz", 1945. 444 Z13
- Use of hormones of pregnant mares' serum.

#### ENTOMOLOGY

- 23879 CURBELO, A., and CHAVES ARANGO, M. Eberthella typhi [i. e. typhosa] en la Musca doméstica. 43 p. La Habana, Compañía Editora de Libros y Folletos, 1945. (Instituto Finlay. Monografía. 10) 428 C92



## PLANT SCIENCE

23880 PARKER, R. L. Report on the survey of the insects and pests attacking the Bermuda cedar [*Juniperus bermudiana*]. 5 p. Hamilton? Bermuda Press, 1945. 423 P222

23881 RUIZ CASTRO, A. Fauna entomológica de la vid en España. Estudio sistemático-biológico de las especies de mayor importancia económica. 3 v. Madrid, Instituto Español de Entomología, 1943-1945. 423 R85F

Contents: Vol. 1. Pt. 1. Breve reseña de la viticultura española. Pt. 2. Características generales de la fauna entomológica de la vid. Pt. 3. Catálogo sistemático-geográfico. Pt. 4. Morfología y biografía de los insectos ampelófagos mas importantes en España. Lepidoptera (*Sparganothis pilleriana*, *Polychrosis botrana*, *Clysia ambiguella*, *Celerio lineata livornica*) Vol. 2. Hemiptera (*Pseudococcus citri*, *Empoasca libyca*, *Peritymbia vitifolii*, i. e. *Phylloxera vitifoliae*). Vol. 3. Diptera (*Ceratitis capitata*).

23882 U. S. NAVY DEPT. BUREAU OF MEDICINE AND SURGERY. Epidemiology of the diseases of naval importance in Manchuria. 54 p. Washington, 1946. (Its NavMed 158) 153.46 Ep423

Includes insect pests and insect-borne diseases.

## FOOD AND HUMAN NUTRITION

23883 ACCESSORY FOOD FACTORS COMMITTEE. Food yeast; a survey of its nutritive value. 18 p. London, Stationery Off., 1945. (Med. Res. Council. War Memo. No. 16) 389.1 Ac2

23884 LOTHE, A. B. The best from Midwest kitchens. 284 p. N. Y., Mill, 1946. 389.25 L912

23885 NEW YORK (STATE) EMERGENCY FOOD COMMISSION. Editing the wartime platter, or, Mass teaching of nutrition to individuals. A partial review of the work of the New York State Emergency Food Commission for the Metropolitan Area, 1943-1945. 32 p. N. Y., 1945. 389.1 N4852

23886 QUAKER OATS COMPANY. RESEARCH LABORATORIES. Vitamin summary and composition of Quaker cereal foods. Ed. 7, 7 p. Chicago, 1946. 389.9 Q2

23887 SHERMAN, H. C. Chemistry of food and nutrition. Ed. 7, 675 p. N. Y., Macmillan, 1946. 389.1 Sh5C

23888 SKILTON, L. P. Better nutrition for the family. 118 p. N. Y., Heck, 1946. (The Garland Homemaking Books) 389.1 Sk3

## FORESTRY

23889 AMERICAN STANDARDS ASSOCIATION. American war standard specifications and dimensions for wood poles - miscellaneous conifers, approved November 30, 1945. 11 p. N. Y., 1945. 334 Am34

23890 MACMILLAN, H. R. Forests for the future; conditions essential to a sustained-yield policy for management of British Columbia coast forests. 63 p. Vancouver, H. R. Macmillan Export Co., 1945. 99.62 M22

23891 MISSISSIPPI. STATE TEXTBOOK RATING AND PURCHASING BOARD. Elementary forestry for Mississippi. 189 p. Auburn, Ala., Prather Pub. Co., 1945. Ref. 99.61 M69

23892 TANSLEY, A. G. Our heritage of wild nature; a plea for organized nature conservation. 74 p. Cambridge, Eng., U. Press, 1945. 279.171 T15  
Contains chapters on native British woodlands and the work of the Forestry Commission.

23893 VIRGINIA. FOREST SERVICE. Virginia's wartime forest fire prevention program, spring 1945. An invitation to citizens, organizations and industries to help fight forest fires by preventing them. 8 p. Richmond, 1945. 99.51 V81V

23894 ALTUKHOV, M. K. Agrotehnika kok-sagzya [Culture of kok-saghyz]. 54 p. Moskva, Sel'khozgiz, 1945. 78 AL7A

23895 COPLEY, G. H. Growing under glass. 160 p. London, Crowther, 1945. 91.12 C79

Vegetable gardening in Great Britain.

23896 FIJI ISLANDS. LEGISLATIVE COUNCIL. NOXIOUS WEEDS COMMITTEE. The distribution, status and control of weeds in Fiji; report. 18 p. Suva, Smith, 1945. (Fiji Islands. Leg. Council. Council Paper No. 35) 79 F47

23897 GREEN pastures; a series of agricultural education and technical broadcast talks on grass as a crop. 78 p. Worcester, Eng., Littlebury, 1945. 60.1 G82

23898 HENRY, B. Trees and shrubs throughout the year, monochrome and natural color photographs. Ed. 2, 58 p. London, Drummond, 1945. 97.31 H39

Text by W. J. Bean.

23899 IMPERIAL MYCOLOGICAL INSTITUTE, KEW. Distribution maps of plant diseases. Nos. 99-100. Kew, Eng., 1946. 464.9 Im7

23900 KUMLIEN, L. L. The friendly evergreens. 237 p. Dundee, Ill., D. Hill Nursery Co., 1946. 97.32 K96F

23901 LAURIE, A., and KIPLINGER, D. C. Garden and greenhouse chrysanthemums. 123 p. N. Y., De La Mare Co., Inc., 1946. 96.519 L37

Revision of the book, *Chrysanthemums under glass and outdoors*, originally published in 1930.

23902 LINDSAY, G. The genus *Cochamea*. 15 p. Pasadena, Calif., Abbey Gard. Press, 1945. 452.3 L64

23903 LUTIKOV, I. E. Opyt vozdel'yvaniya maslichnykh kul'tur [Achievements in the cultivation of oil-bearing crops]. 79 p. Moskva, Sel'khozgiz, 1945. 77 L973

23904 MOSCOSO, R. M. Catalogus florae dominicensis (Catálogo de la flora dominicana). Parte I. Spermatophyta. 732 p. Ciudad Trujillo, Universidad de Santo Domingo, 1943. 456.3 M85

## SOILS AND FERTILIZERS

23905 DE LEENHEER, L., and WAEGEMANS, G. Le sol; introduction à la pédologie. 149 p. Bruxelles, Van Campenhout, 1945. 56.1 D37

23906 GRAY, A. N. Phosphates and superphosphate. Ed. 2, 416 p. N. Y., Nordeman, 1945. 57.24 G7992

23907 HOWARD, SIR A., and HOWARD, L. E. Farming and gardening for health or disease. 282 p. London, Faber, 1945. 56.6 H83F

23908 JONES, E. Liming soils, with major emphasis on rented farms. 4 p. Cleveland, Fed. Reserve Bank of Cleveland, 1945. 57.1 J71

23909 LAMIN, W. Thirty years farming on the Clifton Park system; how to supply humus, texture, and fertility by the aid of deep-rooting grasses. 110 p. London, Faber, 1945. 32 L18

Appendix III. An account of a grassland experiment in the County of Nottinghamshire conducted on the farm of Mr. A. Howard Lamin, by A. A. Johnson, p. 99-104.

23910 WHITEHEAD, G. E. Soil sense for green gardeners. 98 p. London, Black, 1945. 56.7 W582

## MISCELLANEOUS

23911 ANDERSON, CLAYTON & CO. Want to farm in Texas? 35 p. Houston, Tex., 1945. 31.3 An24

Contains the following papers: Cotton, by L. Elwood, p. 17-18; Other field crops, by E. A. Miller, p. 18-22; Farm forestry, by C. W. Simmons, p. 23-24; Fruits and vegetables, by J. F. Rosborough and C. R. Heaton, p. 24-25; Texas pasture resources, by R. R. Lancaster,

p. 26-27; Soil & water conservation, by P. G. Haines, p. 27-28; Beef cattle, by A. L. Smith and G. W. Barnes, p. 28-29; Dairying, by G. G. Gibson, p. 29-30; Sheep and goat production in Texas, by W. R. Nisbet, p. 31; Hog production, by E. M. Reganbrecht, p. 32; Poultry production in Texas, by S. A. Moore, p. 32-33; Fish and game, by R. E. Callender, p. 33-34 (Fish and game as sources of agricultural income); Trends in farming, by C. A. Bonnen, p. 34-35.

23912 BARBOUR, T. A naturalist's scrapbook. 218 p. Cambridge, Harvard U. Press, 1946. 120 B23N

23913 BURROWS, H. Biological actions of sex hormones. 514 p. Cambridge, Eng., U. Press, 1945. 444 B942

23914 FLECK, H. R. Plastics, scientific & technological. Ed. 2, 361 p. London, Temple Press Ltd., 1945. 309 F62

Includes plastics from casein and cellulose, and synthetic fibers.

23915 GROGGINS, P. H. Chemicals and food production. 115 p., processed. Ann Arbor, Mich., Edwards, 1945. 309 G89

From the nineteenth annual Priestley Lectures sponsored by Phi Lambda Epsilon Honorary Chemical Society, Pennsylvania State College.

23916 MCWILLIAMS, C. Southern California country, an island on the land. 387 p. N. Y., Duell, 1946. (American Folkways) 138 M25

Contains The citrus belt, p. 205-226, and Agricultural adaptation, p. 351-354.

23917 WOOD, R. C. A note-book of tropical agriculture. Ed. 3, 147 p. Trinidad, B. W. I., Imp. Col. Tropical Agr., 1945. 38 W85



## PERIODICAL AND SERIAL LITERATURE

## PLANT SCIENCE

## GENERAL

- 23918 ADAMS, B. Hortorium and plantations. Cornell Plantations 2: 24-27. Winter 1945/1946. 409.6 C812  
Account of Bailey Hortorium and Cornell Plantations.
- 23919 ANDREWS, H. N. Coal balls--a key to the past. Sci. Monthly 62: 327-334. Apr. 1946. 470 Sc123
- 23920 ARNOLD, C. A. Silicified plant remains from the Mesozoic and Tertiary of western North America. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 3-34. 1945. Ref. 500 M592
- 23921 ARNSTEIN, H. R. V., COOK, A. H., and LACEY, M. S. An antibacterial pigment from *Fusarium javanicum*. Nature [London] 157: 333-334. Mar. 16, 1946. 472 N21
- 23922 BIEBERDORF, F. W., and HAMPTON, S. F. Airborne fungi in allergic disease. II. Ann. Allergy 4: 23-32. Jan./Feb. 1946. Ref. 448.8 An72  
II. Survey of airborne fungi in the San Antonio, Texas, area: incidence of skin reactions with mold extracts.
- 23923 CALLOW, R. K., and HART, P. D. Antibiotic material from *Bacillus licheniformis* (Weigmann, emend. Gibson) active against species of *Mycobacteria*. Nature [London] 157: 334-335. Mar. 16, 1946. 472 N21
- 23924 CHACE, M. D. Wild flowers of the Florida highways. Gard. Club Amer. B., ser. 10, No. 5, p. 79-85. Mar. 1946. 90.32 G16
- 23925 CLARKE, E. DE C., and TRICHERT, C. Algal structures in a Western Australian salt lake. Amer. J. Sci. 244: 271-276. Apr. 1946. 470 Am34
- 23926 COLEMAN, E. Herbs and birds again: wormwood and mullein. Victorian Nat. 62: 156-158. Jan. 1946. 410 V66  
Herbs used by birds for food and making nests.
- 23927 COPENHAGEN. UNIVERSITET. BOTANISKE HAVE. Beretning om botaniske have virksomhed I aarene 1939-1943 [Report of the activities of the Botanic Garden during the years 1939-1943]. 47 p. København, 1944. 451 C792
- 23928 CORE, E. L. Wild flowers of the Appalachian shale barrens. Wild Flower 22: 13-18. Jan. 1946. 451 W642
- 23929 DUBOIS, G., and DUBOIS, C. L'analyse polinique de la tourbière de Pinet à Roquefeuil (Aude). Paris. Acad. des Sci. Compt. Rend. 222: 455-456. Feb. 18, 1946. 505 P21
- 23930 DUBOIS, G., and DUBOIS, C. Tableau d'ensemble de l'histoire forestière flamandaise française. Paris. Acad. des Sci. Compt. Rend. 221: 634-636. Nov. 19, 1945. 505 P21
- 23931 ERDMAN, L. W. Studies to determine if antibiosis occurs among *Rhizobia*: I. Between *Rhizobium meliloti* and *Rhizobium trifolii*. Amer. Soc. Agron. J. 38: 251-256. Mar. 1946. 4 Am34P
- 23932 HARRIS, T. M. Notes on the Jurassic flora of Yorkshire, 19-24. Ann. & Mag. Nat. Hist. (ser. 11) 12: 357-378, 475-488. June, July 1945. Ref. 410 An77
- 23933 HART, T. S. Excursion to Frankston. Victorian Nat. 62: 166. Jan. 1946. 410 V66  
Vegetation of the area.
- 23934 LEY, W. A living fossil *Welwitschia mirabilis*. Frontiers 10: 109-110, 129. Apr. 1946. 410 F92
- 23935 LIMA, A. O., and others. Pollinosis in Brazil. Ann. Allergy 4: 13-22. Jan./Feb. 1946. Ref. 448.8 An72  
P. D. da Costa, R. Galeno, and P. P. dos Santos, joint authors.
- 23936 LOCHHEAD, A. G., CHASE, F. E., and LANDER-KIN, G. B. Production of claviformin by soil penicillia. Canad. J. Res. Sect. E, Med. Sci. 24: 1-9. Feb. 1946. Ref. 470 C16E
- 23937 MCINTOSH, MRS. A. E. Plant development by the U. S. Department of Agriculture. Gard. Club Amer. B., ser. 10, No. 5, p. 62-65. Mar. 1946. 90.32 G16
- 23938 MOLDENKE, H. N., and MOLDENKE, A. L. The shamrock of Ireland--what is it? An investigation of the probable plants involved. N. Y. Bot. Gard. J. 47: 49-59. Mar. 1946. Ref. 451 N48J
- 23939 NEBEL, M. R. Culture of fern prothallia and sporophytes in the laboratory as a supplement to their study on permanent slides. Ward's Nat. Sci. B. 19: 53-54, 62. Mar. 1946. 410 W21
- 23940 NEFF, E. D. Eden at Beltsville. Nature Mag. 39: 203-205, 220. Apr. 1946. 409.6 N214  
Plant research work by the U. S. Bureau of Plant Industry, Soils, and Agricultural Engineering at Beltsville, Md.
- 23941 PALMER, E. L. Some common eastern spring flowers. Nature Mag. 39: 193-200. Apr. 1946. 409.6 N214
- 23942 PATIE, F. Plants that eat insects: the sundew family [Droseraceae]. Forest and Bird, No. 78, p. 15. Nov. 1945. 413.9 M42
- 23943 PETHERBRIDGE, D. W. "Jungle juice." Austral. Orchid Rev. 10: 76-78. Dec. 1945. 80 Au73  
Orchid and other jungle vegetation.
- 23944 PURI, G. S. Some fossil leaves and fruits of the Aceraceae from the Karewa deposits of Kashmir, with remarks on the past and present maple forests of the Kashmir Valley. Indian Acad. Sci. Proc. Sect. B 22: 279-298. Nov. 1945. 513 In25B
- 23945 PURI, G. S. Some macroscopic plant-remains referred to the Betulaceae from the Karewa deposits of Kashmir. Indian Acad. Sci. Proc. Sect. B 22: 257-273. Nov. 1945. 513 In25B
- 23946 ROSEN, G. VON. A rapid method for sorting polyploid material. Hereditas 32: 129-130. Jan. 15, 1946. 442.8 H42  
Plant material.
- 23947 ROWNTREE, L. At the feet of giants. Nature Mag. 39: 188-190, 218. Apr. 1946. 409.6 N214  
Vegetation underneath California redwoods.
- 23948 RUBBO, R. Las moreras en sus aspectos botánico, forestal y ornamental. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 56. Feb. 14, 1946. 9.9 G15B
- 23949 SCHWASS, W. Urgent conservation needs. Wild Flower 22: 8-10. Jan. 1946. 451 W642  
Wildflower conservation.
- 23950 SHOEMAKER, A. G. A dogwood trail from Valley Forge to Washington. Wild Flower 22: 11-12. Jan. 1946. 451 W642
- 23951 SOCHAVA, V. B. Ecological relicts of Manchurian flora considered in connexion with certain palaeogeographical restoration. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 674-677. 1945. 511 P444
- 23952 SPEIDEN, E. Seedlings. Organic Gard. Ser., No. 10, 95 p. Emmaus, Pa., 1945. 56.9 Or3
- 23953 WHITAKER, T. W., and CARTER, G. F. Critical notes on the origin and domestication of the cultivated species of *Cucurbita*. Amer. J. Bot. 33: 10-15. Jan. 1946. Ref. 450 Am76



- 23954 ZANTZINGER, MRS. C. C. Penn's Woods, Bowman's Hill State Wildflower Preserve. Forest Leaves 36: 5-6, 11. Jan./Feb. 1946. 99.8 F763

## SYSTEMATIC AND GEOGRAPHIC BOTANY

General

- 23955 FARWELL, O. A. Notes on the Michigan flora. IX. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 57-62. 1945. 500 M582
- 23956 GROSSGEIM, A. A. K voprosu o graficheskom izobrazhenii sistemy tsvetkovykh rastenii (Sur la representation graphique du systeme des plantes a fleurs). Sovet. Bot. 13(3): 3-27. 1945. 450 So8
- 23957 HANES, C. R. Additions to the flora of Michigan. V. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 63-66. 1945. 500 M582
- 23958 WALKER, E. H. The preparation of a new Manual of the Flora of the Washington-Baltimore Area. Castanea 11: 51-52. Mar. 1946. 450 So82
- 23959 YUNCKER, T. G. Plants of the Mamua Islands. Bernice P. Bishop Mus. B. 184, 73 p. Honolulu, 1945. 500 B45B

Spermatophytes

- 23960 BARNEBY, R. C. Pugillus astragalorum. V. Leaflets West Bot. 4: 228-238. Jan. 28, 1946. 450 L47
- 23961 BROWN, C. A. Louisiana trees and shrubs. La. Forest. Comm. B. 1, 262 p. Baton Rouge, 1945. 99.9 L933
- 23962 BROWN, J. R. Notes on haworthias. Cactus and Succulent J. 18: 24-25, 38-39. Feb., Mar. 1946. 451 C11
- 23963 CHAMBERLIN, B. Arboreal exiles. Cupressus macrocarpa. Frontiers 10: 107-108. Apr. 1946. 410 F92
- 23964 CORTY, V. L. The genus Palafoxia in Texas. Rhodora 48: 84-86. Apr. 1946. 450 R34  
Includes *P. riograndensis* n. sp.
- 23965 CUTAK, L. Peniocereus fosterianus sp. nov.; a new, unique species from old Mexico. Cactus and Succulent J. 18: 19-23. Feb. 1946. 451 C11
- 23966 EASTWOOD, A. A tentative key to the small-flowered lupines of the western United States. Leaflets West Bot. 4: 217-222. Jan. 28, 1946. 450 L47  
*L. lassensis* n. sp.
- 23967 FASSETT, N. C. Bidens hyperborea var. typica. Rhodora 48: 82-83. Apr. 1946. 450 R34
- 23968 FERNALD, M. L. The North American representatives of *Alisma plantago-aquatica*. Rhodora 48: 86-88. Apr. 1946. 450 R34
- 23969 FERNALD, M. L. The sporadic appearance of *Epipactis helleborine*. Rhodora 48: 88. Apr. 1946. 450 R34
- 23970 FERNALD, M. L. Technical studies on North American plants. Rhodora 48: 65-81. (Cont.) Apr. 1946. 450 R34  
Contributions from the Gray Herbarium of Harvard University. No. GLX.  
Includes *Xanthium chasei* n. sp.
- 23971 FRYE, E. M. Occurrence of Woodwardia radicans in Washington. Arboretum B. 9(1): 30-31. Spring 1946. 451 Ar1
- 23972 GRAFF, P. W. Cardamine parviflora var. arenicola: a supplementary note. Castanea 11: 52. Mar. 1946. 450 So82
- 23973 KENG, Y. L., and KENG, P. C. New bamboos from Szechwan Province, China. Wash. Acad. Sci. J. 36: 76-86. Mar. 15, 1946. 500 W276J  
New spp. in: Sinocalamus 2; Bambusa; Arundinaria.
- 23974 LAKELA, O. Previously unreported plants from Minnesota. Rhodora 48: 81-82. Apr. 1946. 450 R34  
*Poa trivialis* L., *Helenium multiflorum* and *Equisetum arvense* caespitose.

- 23975 LOOSER, G. Botanica miscelanea. VII. Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 77-79. 1945. 410 R325
- 23976 MAHABALE, T. S. Prothallus of Equisetum debile var. pashan Bhide. Bombay U. J., Sect. B, Biol. Sci. (n. s.) 14(3): 42-49. Nov. 1945. Ref. 513 B633
- 23977 MUIR, E. Pterostylis squamata R.Br. in the Wimmera. Victorian Nat. 62: 168. Jan. 1946. 410 V66
- 23978 MUNZ, P. A. Aquilegia: the cultivated and wild columbines. In Bailey, L. H., Gentes Herbarum 7: 1-150. Mar. 1946. 450 B15
- 23979 MUNZ, P. A. Contributions toward a flora of Wyoming. The Onagraceae of Wyoming. Wyo. U. Rocky Mountain Herbarium Leaflet 13, 20 p., processed. Laramie, 1946. 451 W99
- 23980 MUNZ, P. A. Interesting western plants. VII. Leaflets West Bot. 4: 239-240. Jan. 28, 1946. 450 L47  
Includes *Cordylanthus bernardinus* n. sp.
- 23981 NORTON, J. B. S., and BROWN, R. G. A catalog of the vascular plants of Maryland. Castanea 11: 1-50. Mar. 1946. 450 So82
- 23982 PIEDRAHITA, F. A. Monografia del saxafrás [Sassafras]. Inst. de Defensa del Café de Costa Rica. Rev. 16(132): 31-36. Nov. 1945. Ref. 68.28 C82
- 23983 PORTER, C. L. Contributions toward a flora of Wyoming; the Apocynaceae of Wyoming. Wyo. U. Rocky Mountain Herbarium. Leaflet 12, 3 p., processed. Laramie, 1946. 451 W99
- 23984 RAMIREZ B., F. Algunas plantas epifitas de Chile. Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 21-25. 1945. 410 R325
- 23985 RAMÍREZ CANTÚ, D. Algunas plantas notables de Tepoztlán. Mor. Mex. Inst. de Biol. An. 16: 353-357. 1945. 442.9 M57  
Includes *Prunus ochotrenae* n. sp.
- 23986 RUPP, E. M. B. Pterostylis boormanii Rupp; an interesting orchid of the central western slopes of New South Wales. Victorian Nat. 62: 159-162. Jan. 1946. 410 V66
- 23987 SCHULTES, R. E. Plantas austro-americanas III. De plantis principaliter Colombiae orientalis observationes. Harvard U. Bot. Mus. Leaflet 12: 117-132. Jan. 26, 1946. 451 E262
- 23988 SCHWEINFURTH, C. Orchidaceae peruviana. VI. Harvard U. Bot. Mus. Leaflets 12: 185-209. Mar. 27, 1946. 451 H262  
Many new species.
- 23989 STELFOX, A. W. Further notes on the flora of the Galtes Mountains and the Glen of Aherlow. Irish Nat. J. 8: 327-331. Jan. 1946. 410 Ir42

Pteridophytes

- 23990 GUPTA, K. Taxonomic observations on a species of *Notothylas* (Sull.) from Poona. Bombay U. J., Sect. B, Biol. Sci. (n. s.) 14(3): 52-53. Nov. 1945. 513 B633
- 23991 LOOSER, G. Notas sobre helechos chilenos. --III. Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 110-111. 1945. 410 R325
- 23992 SHENDE, D. V. A new species of *Isoetes* from the Bombay Presidency. Bombay U. J., Sect. B, Biol. Sci. (n. s.) 14(3): 50-52. Nov. 1945. 513 B633  
*Isoetes dixitell*.

Bryophytes

- 23993 CONARD, H. S. A moss fountain. Nature Mag. 39: 192. 220. Apr. 1946. 409.6 N214  
*Gymnostomum recurvirostrum*.

Algae

- 23994 ABBOTT, I. A. The genus *Liagora* (Rhodophyceae) in Hawaii. Bernice P. Bishop Mus. Occas. Papers 18: 145-169. Dec. 28, 1945. Ref. 500 B450



23995 CHOU, R. C. Y. Pacific species of *Galaxaura*. I. Asexual types. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 35-56. 1945. Ref. 500 M582

Includes 3 new species.

23996 DREW, K. M. Life-histories in the Nema-lionales. Nature [London] 157: 274-275. Mar. 2, 1946. Ref. 472 N21

23997 SINGH, R. N. On Randhawa's "A critical review of some recently created new species of Indian Zygnemales." Indian Acad. Sci. Proc. Sect. B 22: 378-397. Dec. 1945. Ref. 513 In25B

23998 TAFT, C. E. Some Oedogoniaceae and Zygnemataceae from Texas and Louisiana. Amer. Micros. Soc. Trans. 65: 18-26. Jan. 1946. Ref. 440.9 Am33

23999 THIVY, F. A perforating species of *Ectochaete* (Huber) Wille [*E. perforans*] from the Galápagos Islands. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 149-156. 1945. Ref. 500 M582

24000 TSENG, C. K. New and unrecorded marine algae of Hong Kong. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 157-174. 1945. Ref. 500 M582

#### Fungi (Including Lichens)

24001 CARNEIRO, J. G. Fungos do cafeeiro. São Paulo. Supt. dos Serv. do Café. B. 20: 861-862. Aug. 1945. 68.29 Sa63

24002 COTTINGHAM, J. O. Fungi of Woollen's Garden. Hoosier Outdoors 26(1): 1, 4. Feb. 1946. 409.6 H76

24003 DRECHSLER, C. A new hyphomycete [*Acrostagmus zeosporus*] parasitic on a species of nematode. Phytopathology 36: 213-217. Mar. 1946. 464.8 P56

24004 FONZO, M. A. DI. Las uredíneas del Chaco. Argentina. Inst. de Sanid. Veg. [P.] Ser. A, v. 2, No. 12, 12 p. Buenos Aires, 1946. 464.9 Ar323

24005 SMITH, A. H., and SINGER, R. A monograph on the genus *Cystoderma*. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 71-124. 1945. Ref. 500 M582

24006 SMITH, H. V. The genus *Limacella* in North America. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 125-147. 1945. 500 M582

#### PATHOLOGY

##### General

24007 BELL, H. Russetting [of apples] produced by Bordeaux spray. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 29. 82 NB5

24008 BORZINI, G. La concia dei semi in agricoltura. Difesa delle Piante 1: 49-53. Nov. 1945. 464.8 D56

24009 BORZINI, G. Il problema degli anticrittogamici cuprici in Italia. Difesa delle Piante 1(2): 4-6; (3): 28-30. Aug., Sept. 1945. 464.8 D56

24010 BORZINI, G. Il problema degli anticrittogamici in Italia. Difesa delle Piante 1(1): 2-3. July 1945. 464.8 D56

24011 BRAZELTON, J. S. Elm trees in trouble. Kans. Farmer 83(3): 10. Feb. 2, 1946. 6 K13

Describes an elm disease.

24012 BYERS, E. How I use dust for apple scab control. Hoosier Hort. 28: 43-45. Mar. 1946. 81 In2H

24013 CANNON, O. S. Developing disease resistance in cucumbers; progress in breeding varieties immune to mosaic and wilt. Food Packer 27(5): 72, 74. Apr. 1946. 286.83 C165

24014 CHESTER, K. S. The chemical treatment of seed. Sci. Monthly 62: 364-386. Apr. 1946. 470 Sci23

24015 COBIANCHI, E. La organizzazione del servizio fitopatologico. Difesa delle Piante 1: 37-39. Oct. 1945. 464.8 D56

24016 COLSON, A. C. Bye-bye, blackbird. South. Agr. 76(4): 38. Apr. 1946. 6 So83

Method of preventing crows from eating newly planted corn.

24017 COULONDRE, M. E. Rapport sur le court-noue de la vigne aux associations viticoles de France et au syndicat du Gard. Off. Internat. du Vin. B. 18(175/178): 71-77. Sept./Dec. 1945. 390.8 B87

24018 CUMBERLAND-SHERANDOAH FRUIT WORKERS' CONFERENCE. Proceedings, 22, 32 p., processed. Winchester? 1945. 81 C91

Mainly reports on fungicide and insecticide tests.

24019 CUMMINGS, M. B. Insects and diseases of nursery stock. Amer. Nurseryman 83(7): 13-14. Apr. 1, 1946. 80 Am371

24020 DAINES, R. H. Apple scab control, new materials and arsenical injury to peaches. Hoosier Hort. 28: 35-43. Mar. 1946. 81 In2H

24021 DAY, W. R. A discussion of causes of dying-back of Corsican pine [*Pinus nigra poiretiana*], with special reference to frost injury. Forestry 19: 4-26. 1945. Ref. 99.8 F767

Preceded by a note by Sir Roy Lister Robinson.

24022 DOW, O. Smudging for spring frosts. Country Guide 65(3): 34. Mar. 1946. 7 G76

Fruit and vegetables.

24023 DUFRENOY, J. The pathological condition of the oxidation-reduction systems as a criterion of injury in plants. Biodynamica 5: 309-324. Dec. 1945. Ref. 442.8 B5223

24024 GRIOT, M. Enfermedades que atacan a los rosales. Pampa Argentina 20(221): 18. Jan. 1946. 9 P19

24025 HENDERSON, W. J. Plant diseases you should know. West. Farm Life 48(6): 13. Mar. 15, 1946. 6 R153

24026 HOWLAND, J. E. A cion in time repairs tree-bark damage. Better Homes & Gard. 24(8): 102. Apr. 1946. 80 F9424

24027 LLOBREGAT BALAGUER, E. Podredumbre de las raíces de naranjo. Corp. Frutícola Argentina. Rev. Ofic. 11(132): 21-22. Dec. 31, 1945. 83 C81

24028 LUNGO, A. DEL. Il conseguenze fitopatologiche della guerra. Difesa delle Piante 1(1): 6-7. July 1945. 464.8 D56

24029 MALQUORI, A. La bentonite in fitoterapia. Difesa delle Piante 1(2): 1-3. Aug. 1945. 464.8 D56

24030 MARIMPIETRI, L. Un pregevole compendio di fitofarmacaci. Difesa delle Piante 1(1): 4-5. July 1945. 464.8 D56

24031 MILTON, R. H. Stamp out disease in your tobacco plant beds. South. Agr. 76(4): 34-35. Apr. 1946. 6 So83

24032 MUNGOMERY, R. W. Bureau of Sugar Experiment Stations; report of the Division of Entomology and Pathology - No. 2. Austral. Sugar J. 37: 433, 435-436. Jan. 15, 1946. 65.8 Au7

Diseases of sugarcane.

24033 PAPRZYCKI, P. Notas sobre los enemigos de la yucca: el samani (*Coelogenis fulvus* L.) y el cutpe (*Dasyprocta variegata*). Rev. Chilena de Hist. Nat. Pure y Aplicada 48: 146-149. 1945. Ref. 410 R325

24034 PAULO, H. DE S. Conselho aos agricultores. Agr. e Pecuaria 16(272): 8. Dec. 1945. 9.2 Ag89

Chiefly on fruit spraying.

24035 A PROGRESS report on quick decline studies. I-VII. Calif. Citrog. 31: 198-199, 207, 210-215. Apr. 1946. 80 C125

I. Introduction; II. Starch relationships, by H. S. Fawcett; III. Histological studies, by H. Schneider; IV. The effect of "quick decline" on the respiration rate, by P. W. Rohrbough, L. J. Klotz, and G. A. Zentmyer; V. Experiments on the possible fungal, bacteri-



al, and other biological relationships of quick decline, by L. J. Klotz and G. A. Zentmyer; VI. Root decay of trees affected with quick decline, by J. M. Wallace and G. A. Zentmyer; VII. Transmission experiments with diseased tissues, by H. S. Fawcett and J. M. Wallace.

24036 ROSE, R. C. Germination tests vary but prove seed grain should be treated. Farmer [St. Paul]. Gen. Ed. 64(3): 6, 15. Feb. 2, 1946. 6 F2211

24037 RYAN, R. W. Gladiolus disease and insect control. North Amer. Gladiolus Council. B., Mar. 1946, p. 6, 20, 22. 96.43 N81

24038 YADOFF, O. Un nouveau procédé de poudrage électrique des végétaux. Paris. Acad. des Sci. Compt. Rend. 222: 544-546. Mar. 4, 1946. 505 P21

#### Diseases Caused by Fungi

24039 BAXTER, D. V. Some resupinate polypores from the region of the Great Lakes. XVI. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 175-192. 1945. 500 M582

Polyporaceae causing wood decay.

24040 CAMPI, M. D. Ensayo comparativo de la eficacia de tres fungicidas sobre la enfermedad del clavel producida por *Heterosporium echinulatum* (Berk.) Cke. Argentina. Inst. de Sanid. Veg. [P.] Ser. A, v. 2, No. 11, 12 p. Buenos Aires, 1946. 464.9 Ar323

24041 CARTWRIGHT, K. ST. G., and FINDLAY, W. P. K. Dry rot in wood. Gt. Brit. Dept. Sci. and Indus. Res. Forest Prod. Res. B. 1, Ed. 4, 32 p. London, 1945. 99.9 G796B

24042 CATION, D. Fundamentals of brown rot control [of peaches]. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 139-141. 1946. 81 M58

24043 CHAMBERLAIN, G. S. Recommended sprays for scab control on apples during 1946. Canad. Hort. & Home Mag. Growers' Ed. 69: 59. Mar. 1946. 80 C16

24044 CROSS, W. E. El efecto del "carbón" en las cañas de distintas variedades durante el año agrícola 1944-1945. Tucumán. Estac. Expt. Agr. B. 55, 31 p. Tucumán, 1945. 102.5 T79B

24045 DAINES, R. H., and HOPPERSTEAD, S. L. Experiments with new organic fungicides for control of apple scab and Brooks' fruit spot (*Phoma pomii*). Phytopathology 36: 236-237. Mar. 1946. 464.8 P56

24046 EDDINS, A. H., and WEST, E. Sclerotium [*S. rolfsii*] rot of potato seed pieces. Phytopathology 36: 239-240. Mar. 1946. 464.8 P56

24047 ELLIS, M. G. Battling the [wheat] rust menace. Family Herald and Weekly Star 77(5): 3, 4. Jan. 30, 1946. 7 F21

24048 FERNÁNDEZ VALIELA, M. V. La presencia del *Helminthosporium avenae* en la República Argentina. Rev. Argentina de Agron. 12: 281-284. Dec. 1945. 9 R327

24049 GOMES, J. A. P. Combate contra a lepra do pessegueiro. Portugal. Junta Nac. das Frutas. 3. 5(6): 10-12. June 1945. 286.3939 P83

Caused by the fungus *Taphrina deformans*.

24050 GUYOT, L. Étude biologique de *Puccinia graminis* Persoon (rouille noire des graminées). Paris. Acad. des Sci. Compt. Rend. 222: 566-568. Mar. 4, 1946. 505 P21

24051 HOW FROST damage can be prevented. By Pomologist. Pop. Gard. 48: 34. Mar. 30, 1946. 80 G1622

24052 JONES, H. A., and others. Relation of color-inhibiting factor to smudge [*Colletotrichum circinans*] resistance in onion. J. Agr. Res. 72: 259-264. Apr. 1, 1946. Ref. 1 Ag84J

J. C. Walker, T. M. Little, and R. H. Larson, joint authors.

24053 KEITT, G. W., and MOORE, J. D. Apple scab control experiments with ground and tree spraying for 1945. Wis. Hort. 36: 166-167, 177. Mar. 1946. 80 W752

24054 KO, S. Y., TORRIE, J. H., and DICKSON, J. G. Inheritance of reaction to crown rust and stem rust and other characters in crosses between Bond, Avena byzantina, and varieties of A. sativa. Phytopathology 36: 226-235. Mar. 1946. 464.8 P56

24055 LOUGHNANE, J. B. A seedling disease of flax caused by *Macrosporium* sp. Nature [London] 157: 266. Mar. 2, 1946. 472 N21

24056 McMARTIN, A. Fungicidal treatments for improving sugarcane stands. So. African Sugar J. 30: 19, 21, 23. Jan. 1946. 65.8 So8

24057 McMARTIN, A. Fungicidal treatment of sugarcane cuttings. So. African Sugar J. 30: 71, 73, 75. Feb. 1946. 65.8 So8

24058 NELSON, R. Dust fungicides versus formaldehyde in the control of onion smut. Mich. Agr. Expt. Sta. Q. B. 28: 226-247. Feb. 1946. 100 M58S

24059 NORD, F. F., and others. Alcoholic fermentation of carbohydrates and dehydrogenation of alcohols by certain wood-destroying fungi. Nature [London] 157: 335-336. Mar. 16, 1946. 472 N21

L. J. Sciarini, J. C. Vitucci, and E. S. Pallares, joint authors.

24060 OLIVE, L. S., LEFEBVRE, C. L., and SHERWIN, H. S. The fungus [*Ramulispora sorghi*] that causes sooty stripe of Sorghum spp. Phytopathology 36: 190-200. Mar. 1946. Ref. 464.8 P56

24061 PETCH, C. E. Results of spraying experiments using sulphur for scab control [of apples]. Canad. Hort. & Home Mag. Growers' Ed. 69: 62-64. Mar. 1946. 80 C16

24062 PETRINI, S. Om granrötans [*Fomes annosus*] inverkan på avverkningsens rotvärde (Über den einfluss der wurzelfäule der fichte auf den abtriebsertrag). Sweden. Statens Skogsföräksanst. Meddel., No. 34, p. 327-340. 1945. 99.9 Sw32

German summary.

24063 REED, G. M. Physiologic specialization of the parasitic fungi. II. Bot. Rev. 12: 141-164. Mar. 1946. 450 B6527

References, p. 157-164.

24064 RIVEROS, J. E. La ceniza [*Oidium tuckeri*] o quintal de la vid. Vinos, Viñas y Frutas 41: 331-333. Jan. 1946. 9 Ag89

24065 SABUROVA, P. V. A contribution to the study of the physiology of galloping wilt [*Sclerotium bataticola*] in cotton. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 49: 69-72. 1945. 511 P444

24066 SHUMILENKO, E. Porazhaemost' gribyami organizmami ozimoi pshenitsy i rzhii pri poseve po sterne [Susceptibility of winter wheat and rye to fungous diseases when sown in stubble]. Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10 (4/5): 41-44. 1945. 20 Akl

24067 STRONG, M. C. The effects of soil moisture and temperature on *Fusarium* wilt of tomato. Phytopathology 36: 218-225. Mar. 1946. Ref. 464.8 P56

24068 THIRUMALACHAR, M. J. An ascomycetous parasite [*Strigula* sp.] of *Cephaeleuros*. Indian Acad. Sci. Proc. Sect. B 22: 374-377. Dec. 1945. 513 In25B

24069 TOMALIN, T. E. Spray now for sound fruits; use lime-sulphur to prevent apple and pear scab. Pop. Gard. 48: 26. Mar. 23, 1946. 80 G1622

24070 ULLSTRUP, A. J. An undescribed ear rot of corn caused by *Physalospora zeae*. Phytopathology 36: 201-212. Mar. 1946. Ref. 464.8 P56

24071 UMA GRAVE doença do mamoeiro. Campo [Rio de Janeiro] 17(193): 39. Jan. 1946. 9.2 C15

*Asperisporium caricae*.

24072 VANDERWALLE, R., and ROLAND, G. Contribution à l'étude du mildiou [*Phytophthora infestans*] de la pomme de terre. Parasitica 1: 41-57. 1945. Ref. 464.8 P21



- 24073 VANDERWALLE, R. Une méthode rapide d'inoculation florale du froment et de l'orge par *Ustilago nuda* (Jens.) et *Ustilago nuda tritici* (Schaf.). *Parasitica* 1: 58-63. 1945. 464.8 P21
- 24074 WESTON, W. A. R. D. Apple scab. *Gt. Brit. Min. Agr. Agriculture* 52: 551-553. Mar. 1946. 10 G79J

#### Diseases Caused by Bacteria

- 24075 DAVIDSON, R. S. Ring-rot-like symptoms produced by soft-rot bacteria in potato tubers. *Phytopathology* 36: 237-239. Mar. 1946. 464.8 P56
- 24076 NIELSEN, L. W., and TODD, F. A. Bacterial soft rot of Irish potatoes as influenced by sublethal temperatures. *Amer. Potato J.* 23: 73-87. Mar. 1946. Ref. 75.8 P842
- 24077 PALMA, D. La tuberculosis [*Phytophthora savastanoi*] del olivo. *Corp. Frutícola Argentina. Rev. Ofic.* 12(133): 19-23. Jan. 31, 1946. 83 C81  
From Olivicultura Argentina.

#### Viruses and Virus Diseases

- 24078 BOYER, C. A. Peach virus disease situation--their identification and removal. *Mich. State Hort. Soc. Ann. Rpt.* (1945) 75: 61-65. 1946. 81 M58
- 24079 DAVIDSON, H. R. In search of the invisible. *Farmer & Stock-Breeder* 60: 61. Jan. 8, 1946. 10 F228
- Plant viruses.
- 24080 LOEPP, W. A. My experience in using zinc sulphate to control rosette. *Wash. State Hort. Assoc. Proc.* (1945) 41: 34. 1946. 81 W273
- 24081 MCMARTIN, A. Cultivated grasses and sugar-cane mosaic; need for careful observation. *So. African Sugar J.* 30: 83. Feb. 1946. 65.8 S08
- 24082 PRICE, W. C., WILLIAMS, R. C., and WYCKOFF, W. G. Electron micrographs of crystalline plant viruses. *Arch. Biochem.* 9: 175-185. Mar. 1946. 381 Ar2

Tomato bushy stunt virus and southern bean mosaic virus.

- 24083 ROLAND, G. Sur une microméthode sérologique pour l'étude des viroses végétales. *Parasitica* 1: 106-111. 1945. 464.8 P21
- 24084 SKINNER, C. E. Virus as a possible cause of "sports" in gladiolus. *New England Gladiolus Soc. Gladiolus* (1946) 21: 48-55. Ref. 96.43 N44
- 24085 SUKHOV, K. S., and VOVK, A. M. On the identity between yellow of kok-saghyz and yellow of aster and its possible relation to big bud in tomato. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 48: 365-368. 1945. Ref. 511 P444
- 24086 SUKHOV, K. S., and VOVK, A. M. Transmission of the mosaic virus of tobacco through larvae of *Plusia gamma* L. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 49: 146-147. 1945. 511 P444
- 24087 VOVK, A. M. Mosaic on Leguminosae. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 48: 213-215. 1945. Ref. 511 P444
- 24088 WHEELER, W. H. A virus disease of gladiolus. *New England Gladiolus Soc. Gladiolus* (1946) 21: 55-58. 96.43 N44

#### Diseases Caused by Nematodes

- 24089 CHITWOOD, B. G., and BUHRER, E. M. The life history of the golden nematode of potatoes, *Heterodera rostochiensis* Wollenweber, under Long Island, New York, conditions. *Phytopathology* 36: 180-189. Mar. 1946. 464.8 P56
- 24090 JONES, K. L. "Root nodules" on zinnia produced by nematodes. *Mich. Acad. Sci., Arts, and Letters. Papers* (1944) 30: 67-70. 1945. 500 M582
- 24091 STANILAND, L. N. Potato root eelworm [*Heterodera rostochiensis*] in the South-West. *Gt. Brit. Min. Agr. Agriculture* 52: 538-540. Mar. 1946. 10 G79J

#### ECOLOGY

- 24092 BEARD, J. S. Notes on the vegetation of the Paria Peninsula, Venezuela. *Caribbean Forester* 7(1): 37-56. Jan. 1946. 1.9622 T2C23
- An ecological study.
- 24093 BURGOS, J. J. El termoperiodismo en la ecología de la papa siemiente. *Rev. Argentina de Agron.* 12: 266-280. Dec. 1945. Ref. 9 R327
- 24094 CEBALLOS, L., and ORTUNO, F. De flora canaria; síntesis del paisaje tinereño. *Montes* 1: 377-386. Nov./Dec. 1945. 99.8 M763
- An ecological study of Tenerife.
- 24095 COLE, J. H., and BALLS, W. L. Bowling-greens and bowls. *Nature [London]* 157: 380-381. Mar. 23, 1946. 472 N21
- Ecological aspects of Cynodon.
- 24096 DESALBRES, J. Observations sur la flore des vignes dans la région de la Mitidja de Maison-Carrée. *Algeria. Inst. Agr. Ann.* 2: 101-118. Nov. 1945. 108 AL35
- An ecological study.
- 24097 GEORGES, P. Essai de classification géographique des associations végétales forestières de l'ouest entre Bocage normand et Touraine. *Rev. des Eaux et Forêts* 83: 687-703. (To be cont.) Dec. 1945. 99.8 R322
- 24098 GREGORY, L. E., and VELEZ, I. An ecological survey of the Polytechnic Institute Arboretum [Puerto Rico]. *Caribbean Forester* 7(1): 1-36. Jan. 1946. 1.9622 T2C23
- 24099 GUINEA, E. En la "hylaca" afro-hispana. *Montes* 1: 408-411. Nov./Dec. 1945. 99.8 M763
- Ecological sketch of Spanish Guinea.
- 24100 HURE, B. La cédraie du Moyen Atlas marocain. *Rev. des Eaux et Forêts* 83: 706-718. (To be cont.) Dec. 1945. 99.8 R322
- Ecological study of Cedrus atlantica.
- 24101 MCINTEER, B. B. A change from grassland to forest vegetation in the "Big Barrens" of Kentucky. *Amer. Midland Nat.* 35: 276-282. Jan. 1946. Ref. 410 M58
- 24102 PALMER, L. J., and ROUSE, C. H. Study of the Alaska tundra with reference to its reactions to reindeer and other grazing. *U. S. Fish and Wildlife Serv. Res. Rpt.* 10, 48 p. Washington, 1945. 156.2 R31
- Study of plant composition.
- 24103 PEREZ MOREAU, R. A. Rasgos generales de la provincia botánica Antartandica. *Rev. Chilena de Hist. Nat. Pura y Aplicada* 48: 89-95. 1945. Ref. 410 R325
- An ecological study of southern Argentina and Chile.
- 24104 ROMELL, L. G., and MALLSTRÖM, C. Henrik Hesselmans tallhudsförskök åren 1922-42 (The ecology of lichen-pine forest). *Sweden. Statens Skogsförskötsan. Meddel.* No. 34, p. 543-625. 1945. 99.9 Sw32
- English summary.
- 24105 SOCHAVA, V. B. Fragmenty gornoi stepi na Srednem Urale (Les fragments de la steppe montagneuse en l'Oural Central). *Sovet. Bot.* 13(3): 28-37. 1945. Ref. 450 So8
- An ecological study.

#### MORPHOLOGY, ANATOMY, AND CYTOLOGY

- 24106 ALMEIDA, J. F. R. D., and PATIL, R. P. A study of the stem anatomy of certain Indian climbing plants. *Bombay U. J., Sect. B, Biol. Sci. (n. s.)* 14(3): 1-28. Nov. 1945. 513 B633
- 24107 BUREAU, E. L'évolution des faisceaux inversés de la feuille carpellaire du *Cycas circinalis* et ses conséquences anatomiques. *Paris. Acad. des Sci. Compt. Rend.* 222: 565-566. Mar. 4, 1946. 505 P21
- 24108 BOWMAN, D. H. Sporidial fusion in *Ustilago maydis*. *J. Agr. Res.* 72: 233-243. Apr. 1, 1946. Ref. 1 Ag84J



## GENETICS

- 24109 COVAS, G. Número de cromosomas de algunas gramíneas argentinas. *Rev. Argentina de Agron.* 12: 315-317. Dec. 1945. 9 R327
- 24110 COVAS, G., and BOCKLET, M. Número de cromosomas de algunas Gramineae-Stipinae de la flora argentina. *Rev. Argentina de Agron.* 12: 261-265. Dec. 1945. 9 R327
- 24111 EHRENBERG, L. Morphology and chemistry of the metaphase spindle. *Hereditas* 32: 15-36. Jan. 15, 1946. Ref. 442.8 H42  
Salix used in the study.
- 24112 GARRIGUES, R. Sur des anomalies nucléaires observées dans les assises nourricières des grains de pollen. *Soc. de Biol. Compt. Rend.* 139: 445-447. May 1945. 442.9 P21
- 24113 GUSTAFSSON, Å. Drastic morphological mutations in barley. *Hereditas* 32: 120-122. Jan. 15, 1946. 442.8 H42
- 24114 HARRAR, E. S. Note on starch grains in septate fiber-tracheids. *Yale U. School Forestry. Trop. Woods, No. 85, p. 1-9. Mar. 1, 1946. 99.08 Y1Tr*
- 24115 HESS, R. W. Keys to American woods. XVII-XX. *Yale U. School Forestry. Trop. Woods, No. 85, p. 11-19. Mar. 1, 1946. 99.08 Y1Tr*  
XVII. Woods with vasicentric tracheids; XVIII. Fibers with spiral thickenings; XIX. Special fibers in parenchyma-like arrangement; XX. Woods with unilaterally paratracheal parenchyma.
- 24116 JACOBS, D. L. Shoot segmentation in *Anacharis densa*. *Amer. Midland Nat.* 35: 283-286. Jan. 1946. 410 M58
- 24117 KEARNEY, T. H. Leaf hairs of *Astragalus*. *Leaflets West Bot.* 4: 223-227. Jan. 28, 1946. 450 L47
- 24118 KUPRIANOVA, L. A. O pyl'tse odnodol'nykh rastenii (Sur le pollen des plantes monocotylédones). *Sovet. Bot.* 13(3): 38-46. 1945. Ref. 450 So8
- 24119 MARKOVA, L. G. On certain anomalies in the embryology of *Polemonium coeruleum* L. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* (n. s.) 49: 144-145. 1945. 511 P444
- 24120 MULLER, D. Fosfatets morfologiske virkning paa planterne (Morphological effect of phosphorus on higher plants). *Tidskr. for Planteavl* 50(1): 150-156. Dec. 1945. 11 T439  
Summary in English.
- 24121 MUNTZING, A. Cytological studies of extra fragment chromosomes in rye. III. The mechanism of non-disjunction at the pollen mitosis. *Hereditas* 32: 97-119. Jan. 15, 1946. Ref. 442.8 H42
- 24122 PROKOFIEV, A. A. On the synthesis of rubber in plants; filling of laticiferous vessels with foreign latex. *Acad. des Sci. l'U.R.S.S. Compt. Rend.* (n. s.) 48: 520-523. 1945. 511 P444
- 24123 RAO, C. S. P. A contribution to the morphology and life-history of *Sargassum tenerrimum* J. Ag. *Indian Acad. Sci. Proc. Sect. B* 23: 39-51. Jan. 1946. Ref. 513 In25B
- 24124 SCHNACK, B., and GONZALEZ, F. F. Estudio morfológico y citogenético del híbrido *Glandularia santiaguensis* x *G. megapotamica*. *Rev. Argentina de Agron.* 12: 285-290. Dec. 1945. 9 R327
- 24125 SOUBES, R. Embryogénie des fumariacées. Développement de l'embryon chez le *Corydalis cheilanthifolia* Hemsl. *Paris. Acad. des Sci. Compt. Rend.* 222: 523-524. Mar. 4, 1946. 505 P21
- 24126 SUBRAHMANYAN, R. On the cell-division and mitosis in some south Indian diatoms. *Indian Acad. Sci. Proc. Sect. B* 22: 331-354. Dec. 1945. Ref. 513 In25B
- 24127 TURCHINI, J., and GOSSELIN DE BEAUMONT, L. A. Application d'une réaction nucléaire nouvelle à l'étude de divers noyaux de cellules végétales. *Soc. de Biol. Compt. Rend.* 139: 584-585. June 1945. 442.9 P21
- 24128 GARDNER, E. J. Sexual plants with high chromosome number from an individual plant selection in a natural population of guayule and mariola. *Genetics* 31(2): 117-124. Mar. 1946. Ref. 442.8 G28
- 24129 KASPARJAN, A. S. Overcoming non-crossability in cotton. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* (n. s.) 49: 66-68. 1945. 511 P444
- 24130 LAMPRECHT, H. Die koppelungsgruppe Oh-Ar-S-Wb-K von Pisum. *Hereditas* 32: 41-59. Jan. 15, 1946. Ref. 442.8 H42  
English summary.
- 24131 MUNTZING, A. Different chromosome numbers in root tips and pollen mother cells in a sexual strain of *Poa alpina*. *Hereditas* 32: 127-129. Jan. 15, 1946. 442.8 H42
- 24132 ROSS, J. G., and BOYES, J. W. Tetraploidy in flax. *Canad. J. Res. Sect. C, Bot. Sci.* 24: 4-6. Feb. 1946. 470 C16C
- 24133 WESTERGAARD, M. Structural changes of the Y chromosome in the offspring of polyploid *Melandrium*. *Hereditas* 32: 60-64. Jan. 15, 1946. 442.8 H42
- 24134 WHITE, L. N. The fundamentals of plant hybridizing. *Home Gard.* 6(5): 25-31; (6): 37-45; 7(1): 36-41. Nov. 1945-Jan. 1946. 80 H756

## PHYSIOLOGY

- 24135 ALDRICH, W. W., and others. Checking of fruits of the Deglet Noor date in relation to water deficit in the palm. *J. Agr. Res.* 72: 211-231. Mar. 15, 1946. Ref. 1 Ag84J  
J. R. Furr, C. L. Crawford, and D. C. Moore, joint authors.
- 24136 ATKINSON, H. J. Soil phosphorus. *Light-er* 16(1): 9-11, processed. Feb. 1946. 286.89 C16  
Effect upon plant growth.
- 24137 BATJER, L. P., and THOMPSON, A. H. Recent developments in the field of hormone sprays. *Wash. State Hort. Assoc. Proc.* (1945) 41: 180-184. 1946. 81 W273
- 24138 BEAUCHAMP, C. E. Nuevos conocimientos sobre la nutrición de las plantas. *Inst. Cubano de Suelos y Abonos. B.* 4: 709-726, processed. Nov./Dec. 1945. 65.9 H29
- 24139 BERGMAN, H. F. Oxygen deficiency in the winter flood of cranberry bogs. *Cranberries* 10(11): 21-27. Mar. 1946. 80 C852
- 24140 BJORKMAN, E. Studier över ljusets betydelse för förnyringens höjdtillväxt på norrländska tallhedar (On the influence of light on the height-growth of pine plants on pine-heaths in Norrland). *Sweden. Statens Skogsförskningsst. Meddel.* No. 34, p. 497-542. 1945. Ref. 99.9 Sw32  
English summary, pp. 541-542.
- 24141 BLAGOVESHCHENSKY, A. V., and KOLOGRIVOVA, A. J. Growth of roots as stimulated by certain organic acids. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* (n. s.) 48: 440-443. 1945. 511 P444
- 24142 BLAKE, M. A., and EDGERTON, L. J. Carbohydrates and the periods of development of the apple tree. *N. J. State Hort. Soc. Hort. News* 27: 1802-1803, 1810, 1812. Feb. 1946. Ref. 81 M46
- 24143 BOBKÓ, E. V., and PRIADILSHCHIKOVA, T. D. Effect of sodium chloride upon the yield of oats in the presence of various substances (potassium bicarbonate, ashes, etc.). *Acad. des Sci. l'U. R. S. S. Compt. Rend.* (n. s.) 48: 516-519. 1945. 511 P444
- 24144 BOBKÓ, E. V., and PRIADILSHCHIKOVA, T. D. On the solubility of boron compounds in the plant. *Acad. des Sci. de l'U.R.S.S. Compt. Rend.* (n. s.) 48: 358-359. 1945. 511 P444
- 24145 BORSOOK, H. More vitamin in tomatoes; research shows California sunshine can increase the "C" content. *West. Grower and Shipper* 17(4): 6-7. Mar. 1946. 280.38 W52



- 24146 BRIAN, P. W., and MCGOWAN, J. C. Biologically active metabolic products of the mould *Metarrhizium glutinosum* S. Pope. *Nature* [London] 157: 334. Mar. 16, 1946. 472 N21
- 24147 CAJLACHJAN, M. C. On the correlation between the reaction of flowering to the nitrogenous food and the photoperiodic reaction of the plant. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 48: 360-364. 1945. 511 P444
- 24148 CORRIE, F. E. Some elements of plants and animals. 20. Magnesium in plant nutrition. *Fert., Feed. Stuffs and Farm Supplies J.* 32: 174-175. Mar. 13, 1946. 57.8 F413
- 24149 DAINES, R. H., and CAMPBELL, J. C. Potato sprouting inhibited by the use of alpha-naphthalene-acetic methyl ester. *Amer. Potato J.* 23: 88-91. Mar. 1946. 75.8 P842
- 24150 ESTABLER COSTA, A. Hormonas vegetales. *Euclydes* 5: 521-532. Oct. 1945. 475 Eu2
- 24151 FEOFILAKTOV, V. V. Korneobrazushchies rostovye veshchestva [Root-forming growth substances]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Trud., No. 30, p. 173-182.* 1945. 106 M852T
- 24152 FOSTER, W. S. Keep new weed killer [2,4-D] away from cotton. *Prog. Farmer, Tex. Ed.* 61(4): 19. Apr. 1946. 6 T311
- 24153 GARNER, J. M., and GOTTLIEB, D. Obligate parasitism. *Nature* [London] 157: 374. Mar. 23, 1946. 472 N21
- Study of nutrients derived from soil by rusts through the host plant.
- 24154 GARRIGUES, R. Sur des anomalies nucléaires observées dans les assises nourricières des grains de pollen. *Soc. de Biol. Compt. Rend.* 139: 445-447. May 1945. 442.9 P21
- 24155 GOURLEY, J. H. The nutrition of fruit trees. *Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945)* 82: 71-73, 75, 77, 79, 81. 82 NB5
- 24156 GUSTAFSSON, Å., and NYGREN, A. The temperature effect on pollen formation and meiosis in *Hieracium robustum*. *Hereditas* 32: 1-14. Jan. 15, 1946. Ref. 442.8 H42
- 24157 HAMBIDGE, G. They call it "photoperiodism." *Soybean Digest* 6(5): 26-27. Mar. 1946. 60.38 So9
- 24158 HAWKES, J. G. Potato 'bolters': an explanation based on photoperiodism. *Nature* [London] 157: 375-376. Mar. 23, 1946. 472 N21
- 24159 HOCKEY, J. F. Factors affecting fruit set [of apples] in 1945. *Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945)* 82: 30-32. 82 NB5
- 24160 IAKUSHKIN, I., ZYKOVA, E., and LISOVA, A. O bolee polnom ispol'zovanii sveta i pochvy korneplodami [Better utilization of light and soil in the cultivation of root crops]. *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(4/5): 3-6.* 1945. 20 Ak1
- 24161 IL'INSKAIA, I. A. Materialy k biologii zemlianiiki *Fragaria vesca* L. (Materiaux sur la biologie de la fraise *Fragaria vesca* L.). *Sovet. Bot.* 13(3): 58-62. 1945. 450 So8
- 24162 ISACHENKO, B. L. O prorastanii semian dikorastushchikh rastenii (Sur la germination des graines des plantes sauvages). *Sovet. Bot.* 13(3): 53-57. 1945. 450 So8
- 24163 JOHNSON, L. P. V. Effect of chemical treatments on the germination of forest tree seeds. *Forestry Chron.* 22: 17-24. Mar. 1946. 99.8 F7623
- 24164 LEGGATT, C. W. Germination of seeds of three species of *Agrostis*. *Canad. J. Res. Sect. C, Bot. Sci.* 24: 7-21. Feb. 1946. 470 C16C
- 24165 LEMÉE, G. Modifications de la morphologie et de l'économie hydrique des feuilles de *Fagus silvatica* par l'action d'une période de gel au cours de la feuillaison. *Paris. Acad. des Sci. Compt. Rend.* 222: 451-453. Feb. 18, 1946. 505 P21
- 24166 LOW, A. M. Science aids the food grower; use of plant hormones. *Straight Furrow* 5(3): 7. Jan. 15, 1946. 281.8 St8
- 24167 LUNDBLAD, K. Mikroelement och bristsjukdomar hos odlade växter (Minor elements and deficiency diseases in cultivated plants). *K. Lantbruksakad. Tidskr.* 84: 435-489. 1945. 104 Sw3
- Ref., p. 485-489.  
English summary.
- 24168 MCGEORGE. Citrus soils with chlorosis. *Tex. Farming and Citric.* 22(9): 10. Mar. 1946. 80 T31
- 24169 MACHT, D. I. Influence of estrone, progesterone, and stilbestrol on growth of *Lupinus* [albus] seedlings. *Med. Rec.* 159: 164-166. Mar. 1946. 448.8 N48
- 24170 MAGROU, J., MANIGAUULT, P., and MARIAT, F. Sur un dispositif d'éclairage artificiel des semis. *Paris. Acad. des Sci. Compt. Rend.* 222: 521-523. Mar. 4, 1946. 505 P21
- 24171 MES, M. G., and SCOTT, E. J. Citrus trees in test tubes: studies of the growth and root formation of citrus. *Citrus Grower, No. 144, p. 1, 3-4.* Jan. 30, 1946. 80 C495
- 24172 MES, M. G. How does your orchard grow? *Citrus Grower, No. 145, p. 3, 5.* Feb. 28, 1946. 80 C495
- Quest for knowledge regarding plant growth.
- 24173 MIROV, N. T. Viability of pine seed after prolonged cold storage. *J. Forestry* 44: 193-195. Mar. 1946. Ref. 99.8 F768
- 24174 NEVSKAYA, Z. L. Influence of aphides upon carbohydrate exchange in cotton. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 48: 369-373. 1945. 511 P444
- 24175 NISSLEY, C. H. Use a starter solution. *N. J. State Hort. Soc. Hort. News* 27: 1805, 1812. Feb. 1946. 81 N46
- 24176 NOVIKOV, V. A. Effect of day-length upon salt-resistance in cotton. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 48: 444-446. 1945. 511 P444
- 24177 ORTIZ, A. A. Acción necesaria de la temperatura en el desarrollo del ciclo vegetativo del trigo. *Soc. Rural Argentina. An.* 79: 919-920. Dec. 1945. 9 Sol
- 24178 PASQUIER, R., and GAUSSERAND, M. T. Hexachlorocyclohexane (HCC) et faculté germinative du blé dur. *Algeria. Inst. Agr. Ann.* 2: 29-34. Nov. 1945. 108 AL35
- 24179 PETERBURGSKIY, A. V. Usvoenie rasteniyami kationov iz tverdogo fazy [Assimilation by plants of cations from the solid phase]. *Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirfazeva. Trud., No. 30, p. 21-32.* 1945. Ref. 106 M852T
- 24180 POPLAVSKA, G. I. On winter transpiration in different geographical races of the same plant species. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 48: 670-673. 1945. Ref. 511 P444
- 24181 PORTER, R. H. Scarce seed corn supply demands action. *Agr. Leaders' Digest* 27(3): 30, 32, 34. Mar. 1946. 275.28 Am3
- Germination test.
- 24182 PRAKKEN, R., and LEVAN, A. Notes on the colchicine-meiosis of *Allium cernuum*. *Hereditas* 32: 123-126. Jan. 15, 1946. 442.8 H42
- 24183 RASMUSSEN, H. B., and ILVER, K. Oriente-rende undersøgelse over morfinindholdet i *Papaver somniferum* under plantens vækst (Orienting investigations on the morphine content of *Papaver somniferum* during the growth of the plant). *Dansk Tidskr. for Farm.* 19: 71-106. Apr. 1945. 396.8 D23
- English summary.
- 24184 RATERA, E. L. Observaciones sobre la biología floral de *Solanum tuberosum* L. *Ingen. Agron.* 7: 92-95. Apr./June 1945. Ref. 9 In4



24185 KENNERFELT, E. Inverkan av talkkärnvedens fenolsubstanser på några blågrytesvampars tillväxt jämte ett försök till kvantitativ mätning av blandaens intensitet (The influence of the pinosylvine compounds on the growth of certain blueing fungi, with an attempt at the measurement of the intensity of blueing). Sweden. Statens Skogsförsöksanst. Meddel., No. 34, p. 391-416. 1945. Ref. 99.9 Sw32

English summary, pp. 413-416.

24186 ROHRBAUGH, P. W. Mineral nutrient deficiencies in Cal. citrus trees and their causes. Calif. Citrog. 31: 201, 225-228. Apr. 1946. 80 Cl25

24187 ROSENBERG, O. The influence of low temperatures on the development of the embryo-sac mother cell in *Lilium longiflorum* Thunb. Hereditas 32: 64-92. Jan. 15, 1946. Ref. 442.8 H42

24188 ROUSSEAU, J. Action de l'acide phénylacétique et de l'acide naphtylamine sulfonique  $\beta$  sur la croissance des racines de quelques végétaux cultivés. Paris. Acad. des Sci. Compt. Rend. 222: 453-454. Feb. 18, 1946. 505 P21

24189 SEN, B., and CHAKRAVARTI, S. C. Effect of high temperature on vernalized mustard seed. Nature [London] 157: 266. Mar. 2, 1946. 472 N21

24190 SOKOLOV, A. V. Influence of feeding conditions upon the plant's content of various phosphorus compounds. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 49: 123-126. 1945. 511 P444

24191 SOKOLOVA, N. Izmenenie stepeni pronitsaemosti koshury klubnei kartofel'ia v protsesse ikh razvitiia (Changes in the permeability of potato skin during tuber development). Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(4/5): 29-30. 1945. 20 Ak1

24192 STILES, W. Respiration. II. Bot. Rev. 12: 165-204. Mar. 1946. 450 B6527

References, p. 201-204.

24193 STRONG, M. C. Use of 2,4-dichlorophenoxyacetic acid for the improvement of greenhouse tomato production. Mich. Agr. Expt. Sta. Q. B. 28: 216-225. Feb. 1946. 100 M68S

24194 SUKHORUKOV, K., and STROGOV, B. On the effect of heteroauxine upon cells of diseased plant. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 210-212. 1945. 511 P444

24195 SWARBRICK, T. Use of growth-promoting substances in horticulture. Canad. Hort. & Home Mag. Floral Ed. 69: 74-77. Mar. 1946. 80 Cl6F

24196 TANADA, T. Utilization of nitrates by the coffee plant under different sunlight intensities. J. Agr. Res. 72: 245-258. Apr. 1, 1946. Ref. 1 Ag84J

24197 THOMPSON, A. H., BATJER, L. P., and OVERLEY, J. L. Thinning apples with chemicals. Wash. State Hort. Assoc. Proc. (1945) 41: 173-177. 1946. 81 W273

Discussion, p. 178-179.

24198 TOOLE, E. H., and BROWN, E. Final results of the Duvel buried seed experiment. J. Agr. Res. 72: 201-210. Mar. 15, 1946. Ref. 1 Ag84J

24199 TOWNSEND, G. R. The ammonium thiocyanate treatment for hastening the sprouting of dormant Bliss Triumph potatoes. Amer. Potato J. 23: 92-94. Mar. 1946. 75.8 P842

24200 VAN FLEET, D. S. The redox potentials of fat emulsions under the action of light. Biodynamica 5: 297-307. Dec. 1945. Ref. 442.8 B5223

Study of plant tissue.

24201 WARD, W. B. Regulate apple quality by nitrogen supply. Furrow, Balt. [Ed.] 51: 4. Jan./Feb. 1946. 6 F98B

24202 WENT, F. W., and ENGELSBERG, R. Plant growth under controlled conditions; VII Sucrose content of the tomato plant. Arch. Biochem. 9: 187-200. Mar. 1946. 381 Ar2

24203 WILLCOX, O. W. The agrobiologic test for normality in fertilizer experiments and variety comparisons: I. Varieties. Amer. Soc. Agron. J. 38: 218-224. Mar. 1946. 4 Am34P

24204 ZHDANOVA, L. P. Geotropic reaction of leaves and content of growth hormone in plants. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 49: 62-65. 1945. Ref. 511 P444

# BIOCHEMISTRY

24205 AHMAD, B., QURESHI, A. A., and BABBAR, I. Observations on ascorbic acid. Part I. State of ascorbic acid in plant tissues. Ann. Biochem. and Expt. Med. 5: 75-82. 1945. Ref. 448.3 An73

24206 ANISIMOVA, V. A. Certain biochemical features peculiar to the fungus *Verticillium dahliae* Klebahn. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 416-419. 1945. 511 P444

24207 ASENJO, C. F., and FREIRE DE GUZMÁN, A. R. The high ascorbic acid content of the West Indian cherry, *Malpighia punicifolia*. Science 103: 219. Feb. 22, 1946. 470 Sc12

24208 BERTRAND, G., and BERTRAND, D. Le rubidium chez les phanérogames. Paris. Acad. des Sci. Compt. Rend. 222: 423-426. Feb. 18, 1946. 505 P21

24209 DAVID, R. L'aleurone et l'amidon transitoire de l'embryon de blé printanisé. Soc. de Biol. Compt. Rend. 139: 560-562. June 1945. 442.9 P21

24210 GRIFFITHS, D. G., and POTTER, N. A. The determination of starch in apple tissue. Biochem. J. 39: 423-426. 1945. 382 B52

24211 HODGE, W. H. Alkaloid distribution in the bark of some Peruvian cinchonas. Caribbean Forester 7(1): 79-92. Jan. 1946. 1.9622 T223

24212 KIR'IALOV, N. P. K voprosu o svyazi mezhdu smolami i éfirnymi maslami (Sur le rapport entre les résines et les essences). Sovet. Bot. 13(3): 47-52. 1945. Ref. 450 So8

Chemical study of *Ferula pyramidata* at the Botanical Institut im. V. L. Komarova Akademii Nauk SSSR.

24213 KNEEN, E., and SANDSTEDT, R. M. Distribution and general properties of an amylase inhibitor in cereals. Arch. Biochem. 9: 235-249. Mar. 1946. Ref. 381 Ar2

24214 LENNOX, F. G., and ELLIS, W. J. Euphorbain, a protease occurring in the latex of the weed *Euphorbia lathyris*. Biochem. J. 39: 465-470. 1945. 382 B52

24215 MARCHAL, J. G., SCHWARTZ, E., and MULLER, F. Agglutinines normales chez les végétaux. Soc. de Biol. Compt. Rend. 139: 481-483. May 1945. 442.9 P21

24216 MURTI, P. B. R., and SESHADRI, T. R. Chemical composition of *Calotropis gigantea*. Part VI. Flowers. A comparison of the composition of the various parts of the plant. Indian Acad. Sci. Proc. Sect. A 22: 304-309. Nov. 1945. 513 In25

24217 MURTI, P. B. R., and SESHADRI, T. R. The waxy matter of the flowers of *Hibiscus sabdariffa* and *Carthamus tinctorius*. Indian Acad. Sci. Proc. Sect. A 22: 289-292. Nov. 1945. 513 In25

24218 MUTINELLI, A. Tephrosia noctiflora como planta insecticida. Rev. Argentina de Agron. 12: 291-314. Dec. 1945. Ref. 9 R327

24219 NIERENSTEIN, M., and POTTER, J. The distribution of myrobalanitin. Biochem. J. 39: 390-392. 1945. 382 B52

In parts of plants.

24220 SHMUK, A., and ZAMYSLOV, A. Iagody ribiny kak syr'e dlia poluchenia karotina i karotinovykh preparatov [European mountain-ash (*Sorbus aucuparia*) berries as a source of carotene and carotene preparations]. Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(4): 7-10. 1945. 20 Ak1

24221 SINIAKOVA, S. I. On the content of lead in plants. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 414-415. 1945. Ref. 511 P444

24222 WAGER, H. G. The effect of pH on stem-end blackening of potato. Biochem. J. 39: 482-485. 1945. Ref. 382 B52



24223 WALL, M. E., and KELLEY, E. G. Determination of tocopherol in plant tissue. *Indus. and Engin. Chem., Analyt. Ed.* 18: 198-201. Mar. 29, 1946. 381 J825A

24224 ZEPKOVA, G. A. Concentration of vitamin C in certain plant species of Central Asia. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 48: 655-658. 1945. 511 P444

## SILVICULTURE

24225 ALLHEIMEN, H. En Noruega se ensayara la reforestación con especies de la zona patagónica. *Chacara 16(183):* 24-25. Jan. 1946. 9 C34

24226 ARGENTINA. MINISTERIO DE AGRICULTURA. Instrucciones prácticas para el cultivo del eucalipto. Argentina. Dir. de Inform. P. Misc. 196, 15 p. Buenos Aires, 1945. 9 P943

24227 BALDWIN, H. Put returned men to restoring prairie woods. *Forest & Outdoors*, Mar. 1946, p. 76. 99.8 G16

24228 GOMES, P. Pro reflorestamento: mulateiro [*Calyophyllum spruceanum*] e sabia [*Caesalpinia*]. *Chacaras e Quintais* 73(1): 81-82. Jan. 15, 1946. 9.2 C34

24229 HANDLAN, J. W. State will apply genetics in timber production. *W. Va. Conserv.* 10(1): 5, 18-19. Apr. 1946. 279.8 W524

24230 LÓPEZ, E. D., and CUSSAC, C. M. Importancia económica de los montes forestales. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 7, 31. Jan. 3, 24, 1946. 9.9 G15B

## Forestation.

24231 MACDONALD, J. A. B. The Lon Mor: twenty years' research into wasteland peat afforestation in Scotland. *Forestry* 19: 67-73. 1945. 99.8 F767

24232 MCNEILL, W. M. Preliminary observations on the influence of site conditions on natural regeneration, with special reference to Dunscht Estate, Aberdeenshire. *Forestry* 19: 41-55. 1945. 99.8 F767

24233 MARRERO, J. El cultivo del eucalipto en la Sierra de Ecuador. *Caribbean Forester* 7(1): 57-69, processed. Jan. 1946. 1.9622 T2C23  
English summary.

24234 MELLO, O. S. Instruções para a produção de mudas de essências florestais. *Agr. e Pecuaria* 16(272): 25-26, 27. Dec. 1945. 9.2 Ag89

24235 NETTLETON, A. Britain replants. *Amer. Forests* 52: 110-111, 137-138. Mar. 1946. 99.8 F762

24236 NOAKES, J. W. Effect of different methods of slash disposal on jack pine production. Canada. Forest Serv. Silv. Res. Note 78, 8 p., processed. Jan. 1946. 99.9 G16Re

24237 PAUL, B. H. Second growth timber. *Wis. Conserv. B.* 11(2): 8-9. Feb. 1946. 279.8 W752

24238 PERKIN, H. A propos de la sélection des arbres forestiers. *Rev. des Eaux et Forêts* 83: 704-705. Dec. 1945. 99.8 R322  
Notes on grafting.

24239 PESCOFF, E. E. Giving trees and shrubs a change of diet. *Stock and Land* 36(1): 2. Jan. 3, 1946. 49 St63

24240 SOMMERFELD, H. C. Trees on the Prairies. *Agr. and Indus. Prog. Canada* 28: 37. (Concl.) Mar. 1946. 253 Ag82

24241 TIRÉN, L. Skogsträdens fruktsättning år 1945. Sweden. Statens Skogsföräksanst. Flygbl. 59, 12 p. n. p., 1945? 99.9 Sw32F

Tree seed production prospects in Sweden, 1945.

24242 URIBE G., J. E. Viveiros florestais. *Agr. e Pecuaria* 16(272): 47-49, 50. Dec. 1945. 9.2 Ag89

24243 WATT, A. Conversion of birch scrub areas to coniferous woodland in the North of Scotland. *Forestry* 19: 62-66. 1945. 99.8 F767

## FIELD CROPS

Includes articles on general agronomy and on crop varieties, breeding, cultural practices, and yield.

## General

24244 BRACKEN, L. O. Crops that grow like weeds--almost! *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 61 (4): 15. Apr. 1946. 6 P945G

24245 CALLAGHAN, A. R., and JONES, R. H. Crop-ping returns at Roseworthy Agricultural College; results from the 1944-45 harvest. *So. Austral. Dept. Agr. J.* 49: 212-214. Dec. 1945. 23 So84

24246 CALLAND, J. W. Cultural practices in Illinois. *Soybean Digest* 6(5): 10-11, 24. Mar. 1946. 60.38 So9

24247 CARVAJALINO JACOME, L. J. La rotación de cultivos, base de una agricultura productiva y estable. *Agrario* 10(373): 8-9, 14; (374): 8-9. (To be cont.) Jan. 15, 31, 1946. 9.3 Ag85

24248 CEFÉDE, C. Essai de culture combinée du soja et du maïs en Bas-Armagnac. *Terre d'Oc* 27: 349-353. Oct. 1945. 14 T27

24249 HUTCHESON, T. B. Aim for high acre yields this year. *Prog. Farmer, Car.-Va. Ed.* 61(4): 26. Apr. 1946. 6 P945

24250 SILVA BARRIOS, F. A. La rotación de los cultivos. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 53. Feb. 14, 1946. 9.9 G15B

## Cereals

24251 BRALLEY, A. P. New variety tops sorghum records. *Farmer-Stockman* 59: 98. Feb. 1946. 6 Ok45

24252 BRAY, R. H. Six tips for 150-bushel corn. *Country Gent.* 116(4): 22, 61-62. Apr. 1946. 6 C833

24253 BURLEY, R. H. U. S. hybrid 13 corn continues as favorite. *Farmer-Stockman* 59: 111. Feb. 1946. 6 Ok45

24254 BUSSELL, F. P. Wheat in New York. *Rural New-Yorker* 105: 270. Apr. 6, 1946. 6 R88  
Varieties and yields.

24255 CAFFERA, R. Cuatro nuevas variedades de trigo de inscripción definitiva: Benvenuto Inca, Buck Claromeco, Klein 157 y Klein Alberti. "Granos" Semilla Selecta 9(7/9): 35-37. July/Sept. 1945. 9 G762

24256 COLQUETTE, R. D. The case of perennial wheat. *Country Guide* 65(3): 50. Mar. 1946. 7 G76

24257 DAVILA, D. S. El examen de los cultivos de grano antes de la cosecha para librarlos de malezas y variedades extrañas. "Granos" Semilla Selecta 9(7/9): 38-39. July/Sept. 1945. 9 G762

24258 DONALD, L. Don't blame the weather. *Com. Fert.* 72(2): 19-24. Feb. 1946. 57.8 C73  
Effect of weather, hybrid seed and culture on corn yield.

24259 ETCHECOPAR, J. A., and ILLIA, M. C. Descripción de las principales variedades de maíz cultivadas en la Argentina. Pergamino. Estac. Expt. P., No. 20, p. 199-225. 1945. 102 P41  
English summary.

24260 FERREIRA FILHO, J. C. Cultura do trigo em linhas pareadas. *Agr. e Pecuaria* 16(272): 35-36. Dec. 1945. 9.2 Ag89

24261 GLUSHCHENKO, I. K voprosu o mezhsortovoi gibrizatsii rzhii [Concerning intervarietal hybridization of rye]. *Vsesoiúzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(4/5): 11-23. 1945. Ref. 20 Ak1

24262 HARPER, R. E. USDA-34 - a tropical sweet corn. *Agr. in the Americas* 6: 74-75. Apr. 1946. 1 F752A

24263 HIGGINS, F. H. California growers plan seed program. *Rice J.* 49(3): 22-23. Mar. 1946. 59.8 R36



24264 HOROVITZ, N. Descripción de las principales variedades agrícolas de trigo cultivadas en la República Argentina. Pergamino. Estac. Expt. P., No. 20, p. 19-138. 1945. Ref. 102 P41

English summary.

24265 HUTCHESON, T. B. "Musts" for more corn. South. Agr. 76(4): 37. Apr. 1946. 6 So83  
Increasing yields.

24266 JOHNSTONE, W. C. Williams cane [sorghum] fills the bill. South. Agr. 76(4): 38. Apr. 1946. 6 So83

24267 KOSTYLEV, I. 305 pudov ozimoŭ pshenitŭy s geklara [305 poods of winter wheat from a hectare]. Sel'so (Ser. Kolkhoz. Zeml.) 14(67/68): 1-4. 1945. 20 Se475

On the "Pobeda" collective farm in the Moscow Region.

24269 KUGLER, W. F., and others. Descripción de las principales variedades de avena cultivadas en la Argentina. Pergamino. Estac. Expt. P., No. 20, p. 166-185. 1945. 102 P41

S. E. Foucault, C. Cialzeta, and O. R. Lemos, joint authors.

English summary.

24269 KUGLER, W. F., and others. Descripción de las principales variedades de cebadas forrajeras y cerveceras cultivadas en la Argentina. Pergamino. Estac. Expt. P., No. 20, p. 139-165. Ref. 102 P41

S. E. Foucault, C. Cialzeta, and O. R. Lemos, joint authors.

English summary.

24270 KUGLER, W. F., and others. Descripción de las principales variedades de centeno cultivadas en el país. Pergamino. Estac. Expt. P., No. 20, p. 186-198. 1945. 102 P41

S. E. Foucault, C. Cialzeta, and O. R. Lemos, joint authors.

English summary.

24271 LARMOUR, W. T. Never ending search continues for new and better varieties of cereal grains. Canad. Grain J. 1(8): 13. Mar. 1946. 59.8 G16

24272 LAZARO, R. C. La producción maicera en el Uruguay. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 56. Jan. 31, 1946. 9.9 G15B

24273 LAZARO, R. C. Semisterilidad en maíz. Asoc. de Ingen. Agron. Rev. 17(3): 31-32. Sept. 1945. 290.9 As73

English summary.

24274 LOTTI, A. Mejores rendimientos en los cultivos de maíz con los híbridos comerciales. Bolsa de Com., Rosario. Rev. 33(811): 21-22, 24-25. Oct. 31, 1945. 287 R71

24275 MIEGE, E. Le cours mondial du blé. Inform. Maroc. (n. s.) 14(299): 1. Mar. 16, 1946. 281.8 In3

24276 MILLER, E. A. Hybrid corn pays off in Texas. South. Agr. 76(4): 22. Apr. 1946. 6 So83

24277 NUÑEZ, A. El maíz; cultivo nacional. Uruguay. Dir. de Agron. [Cartilla] 81, 62 p. Montevideo, 1945. 9.9 Ur84

24278 SALDIAS, M. O. La provincia de Entre Ríos necesita más maíz. Chacra 16(183): 12-13. Jan. 1946. 9 C34

24279 SANSOM, T. K. Wheat: varieties tested at the Plant Breeding Station, Salisbury, and available for distribution. Rhodesia Agr. J. 42: 486-487. Nov./Dec. 1945. 24 R34

24280 SHULL, G. H. Pure-line method of corn breeding. Seed World 59(6): 8-10. Mar. 15, 1946. 61.8 Se52

24281 SMYCHKOV, V. A. Rannie posevy rzhii s podsevom viko-ovsianoŭ amesi. Sel'so (Ser. Kolkhoz. Zeml.) 14(126/128): 3-4. 1945. 20 Se475

Early planting of rye with interseeding of vetch-oats mixture on the "Fakel" collective farm in the Kalinin Region.

24282 STEWART, P. H. Hybrids for the plains. Furrow, Kansas City [Ed.] 51: 4. 12. Jan./Feb. 1946. 6 F98K  
Corn.

24283 TOLINE, B. I. Hybrids - deep in the heart of Texas. Furrow, Dallas [Ed.] 51: 3. 11. Jan./Feb. 1946. 6 F98D  
Corn.

24284 TORO V., A. Generalidades sobre el cultivo del trigo. Agrario 10(371): 44. Nov. 30, 1945. 3.3 Ag85

24285 VOLKOVA, M. P. Kak my vyrastili i ubrali vysokii urozhaŭ ovsia [How we grew and harvested an abundant crop of oats]. Sel'so (Ser. Kolkhoz. Zeml.) 14(110-112): 1-4. 1945. 20 Se475

"Krasnoe Trosukhino" collective farm in the Kalinin Region.

### Fiber Crops

24286 CRANE, J. C., and ACUNA, J. B. The effect of plant spacing and time of harvesting on fiber yield of ramie, *Boehmeria nivea* (L.) Gaud. Amer. Soc. Agron. J. 38: 225-236. Mar. 1946. Ref. 4 Am34P

24287 DILLMAN, A. C. Breeding better strains of flax. Co-op Grain Q. 4(1): 35-40. Feb. 1946. 280.28 C7898

24288 GABBATO, C. Cultivo da rami no Sul [Brazil]. Chacaras e Quintais 73(1): 97-98. Jan. 15, 1946. 9.2 C34

24289 GONZÁLEZ IBARRA, E. El sisal y su importancia económica para el estado. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 12-14. Dec. 1945. 8 R3291

Chiefly on culture. Includes costs.

24290 LEVERETT, P. J. Semi-irrigation answers drought problem for Texas cotton farmer. Cotton Trade J. 26(13): 14. Mar. 23, 1946. 72.8 C8214

24291 MCLENDON, C. A. Pure seed makes better cotton. South. Agr. 76(4): 32. Apr. 1946. 6 So83

24292 MERCER, R. D. Flax varieties available for 1946. Mont. Farmer 33(14): 10. Mar. 15, 1946. 6 M764

24293 RICKARD, J. A. Ramie, the new fiber crop. Your Farm 4(6): 126-128. Apr. 1946. 6 Y8

24294 SHANKLIN, J. A. North Carolina points way to better farm practices. Cotton Digest 18(27): 10-11, 18-19. Mar. 30, 1946. 286.82 C822  
Cotton improvement program.

24295 SHIBAIEVA, A. Kak my boremsia za poluchenie vysokonornogo l'novolokna. Sel'so (Ser. Kolkhoz. Zeml.) 14(69/70): 3-4. 1945. 20 Se475  
Flax culture on the collective farm "Novoe Zhitnikovo" in the Kalinin Region.

24296 TER-AVANESIAN, D. Ispol'zovanie metoda privivok v selektsii khlopkhatnika (Grafting methods in cotton breeding). Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(4/5): 34-35. 1945. 20 Akl

24297 WESTBROOK, E. C. Chopping and cultivating cotton to cut costs. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(4): 14, 66. Apr. 1946. 6 F945G

24298 WILSON, J. L. I increase my cotton yields. Farm and Ranch 65(4): 38. Apr. 1946. 6 T31

### Forage Crops and Grasses

24299 AHLGREN, H. L. Care needed in seeding brome grass. Hoard's Dairyman 91: 98. Feb. 10, 1946. 44.8 H65

24300 ALLAN, P. F. Grass planting 2,660 years ago. Soil Conserv. 11: 235. Apr. 1946. 1.6 So3S  
In Assyria.



- 24301 ARMY, A. C. Trials show way to higher yields from permanent pastures. Minn. Farm and Home Sci. [Minn. Sta.] 3(2): 4-5, 15. Feb. 20, 1946. 100 M688  
Fertilization and renovation.
- 24302 BECK, V. S. Range management is good business. Farm and Ranch 65(4): 39. Apr. 1946. 6 T31
- 24303 ELASER, R. E. How to grow greener pasture. Fla. Grower 54(2): 16. Feb. 1946. 80 P6622
- 24304 BURTON, G. W. Bahia grass types. Amer. Soc. Agron. J. 38: 273-281. Mar. 1946. Ref. 4 Am34P
- 24305 CAMACHO, R. R. Pastos o malezas. Asoc. Colomb. de Ganad. B. Ganad., No. 15, p. 20-21. Sept./Oct. 1945. 43.9 As53
- 24306 CHRISTENSEN, N. A. Forsøg med frøafgrøder. Udført under ledelse af Frøavlssudvalget. Tidskr. for Frøavl. 17: 347-355. Feb. 10, 1946. 61.8 T43  
Experiments with grass and root seed crops in Denmark.
- 24307 COOPER, J. F. New grasses for the Southeast. Furrow, Atlanta [Ed.] 51: 3, 11. Jan./Feb. 1946. 6 F98A
- 24308 COSTELLO, D. F. Know your range grasses and plants; quaking aspen (*Populus tremuloides*). Westerner 9(2): 24-26. Mar. 1946. 49 W522
- 24309 DERBIN, L. Raschistka senokosov ot kustarnika. Sel'so (Ser. Kolkhoz. Zeml.) 14(154/155): 3-4. 1945. 20 Se475  
Clearing of brushwood from pastures.
- 24310 DICKEY, J. B. R. Supplementary dairy pastures. Dairymen's League News 30(7): 8, 15. Mar. 26, 1946. 44.8 D1432  
Also in Inter-State Milk Prod. Rev. 26(11): 3. Mar. 1946. 280.28 In83
- 24311 DILLMAN, A. C. The beginnings of crested wheatgrass in North America. Amer. Soc. Agron. J. 38: 237-250. Mar. 1946. 4 Am34P
- 24312 DURHAM, S. B. How to improve bluestem pastures. Farmer-Stockman 59: 197, 236. Apr. 1946. 6 Ok45
- 24313 EASTON, C. G. Lucerne growing in the hills districts. So. Austral. Dept. Agr. J. 49: 226-227. Dec. 1945. 23 So84
- 24314 EDE, W. E. M. The problem of white clover and its nectar secretion. Scot. Beekeeper 22: 31-32. Mar. 1946. 424.8 Sco8
- 24315 ELLIS, F. E. Pasture surprises. Family Herald and Weekly Star 77(6): 10. Feb. 6, 1946. 7 F21  
Improvement by reseeding and fertilizers.
- 24316 FRANKENA, H. J. Studies over het gebruik van grasland [Pasture management studies]. II-III. Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek. 50, p. 463-618. 1945. 105.2 V61V  
References, p. 495-496, 617-618.
- 24317 GIJBEL, G. Betestillväxtens säsongvariation. Några resultat från föreningens betesförsök [Seasonal variations in the growth of pasture plants in Sweden]. Svenska Vall- och Moskulturför. Kvartalskr. 7: 298-316. Dec. 1945. 11 Sv27  
Discussion. p. 317-328.
- 24318 GRAHAM, J. W. Island pasture proves a success. Family Herald and Weekly Star 77(6): 12. Feb. 6, 1946. 7 F21  
Canada.
- 24319 GRANT, E. C. Growing oats and barley. Rural New-Yorker 105: 284. Apr. 6, 1946. 6 R58
- 24320 HANSEN, J. Forsøg med stammer af almindelig rajgræs, timothe, hundegræs og eng-svingel 1938-1943. Tidskr. for Planteavl 50(1): 77-105. Dec. 1945. 11 T439  
Variety trials of grasses.
- 24321 HARRISON, C. M. Productive pastures pay. Mich. Farmer 206: 229, 258. Apr. 6, 1946. 6 M58
- 24322 HOLMES, W. Prickly comfrey [*Symphytum asperum*]. Gt. Brit. Min. Agr. Agriculture 52: 515-516. Feb. 1946. 10 G79J
- 24324 JONES, E. Hay crop important in N. E. Ohio. West. Reserve Farmer 1(1): 9. Jan. 1946. 6 W5292
- 24323 JOHNSTON, G. W. Vine cuttings may replace kudzu crowns in future. Victory Farm Forum, No. 22, p. 12-13. Mar. 1946. 281.8 F226
- 24325 ORCHARD, M. Pastures for the piney woods. Farm and Ranch 65(4): 18. Apr. 1946. 6 T31  
Soil improvement and pastures in Texas.
- 24326 SEARS, P. D. The regional variety of pasture growth in New Zealand. New Zeal. Geog. 1(1): 57-82. Apr. 1945. 331.8 N48
- 24327 SPENCER, C. B. Burclover. Farm and Ranch 65(2): 20. Feb. 1946. 6 T31
- 24328 SPENCER, J. W. National forest grazing administration in Colorado. Colo. Wool Grower and Marketer 12(1): 6, 15. Mar. 1946. 280.38 C71
- 24329 VINE, R. Levelling and grazing. New Zeal. Farmer Weekly 66(22): 8-9. Dec. 27, 1945. 23 N484
- 24330 WILLARD, C. J. Getting a satisfactory alfalfa stand. Hoard's Dairyman 91: 278, 301, 311. Apr. 10, 1946. 44.8 H65  
Alfalfa culture.
- 24331 WILLIAMS, J. A. Setting Bermuda the easy way. Farm and Ranch 65(4): 6-7. Apr. 1946. 6 T31

## Oil Crops

- 24332 GUTIERREZ V., G. La higuerilla, sus posibilidades industriales y su cultivo; parte 3. Agr. Trop. 2(1): 18-20. Feb. 1946. 26 Ag8  
Castor-bean culture.
- 24333 HEISER, C. B., JR. Gold is the sunflower. Nat. Hist. 55: 172-178. Apr. 1946. 500 N483J
- 24334 KALTON, R. R. Factors affecting soybean yields. Soybean Digest 6(5): 18-19. Mar. 1946. 60.38 So9
- 24335 KUGLER, W. F. Descripción de las principales variedades de linos de aceite y de fibra cultivados en la Argentina. Pergamino. Estac. Expt. P., No. 20, p. 226-258. 1945. Ref. 102 P41  
English summary.
- 24336 MANITOBA DEPT. OF AGRICULTURE AND IMMIGRATION. The growing importance and uses of sunflower seed. Seed World 59(6): 12, 14. Mar. 15, 1946. 61.8 Se52
- 24337 MARSICO, D. F. El maní; observaciones sobre su biología, floral y suelo. Buenos Aires (City). Bolsa de Cereales. Rev. 33(1738): 7-8. Feb. 9, 1946. 287 B866
- 24338 MEUNISSIER, A. La moutarde blanche. Petit Casablancais 30(1235): 4. Oct. 27, 1945. 280.8 P44  
Brassica hirta, culture and oil obtained.
- 24339 MIRCHANDANI, R. T. Minimizing the effect of frost on oilseeds in Sind. Indian Farming 6: 524-525. Nov. 1945. 22 In283
- 24340 SIEVERS, A. F. Experiments with sesame. Chemurg. Digest 5: 81, 83-87. Feb. 28, 1946. 381 N213Na
- 24341 TVERDOVSKIY, V. Severnyy kormovoy podsol-nechnik. Sel'so (Ser. Kolkhoz. Zeml.) 14(71/72): 1-4. 1945. 20 Se475  
Northern sunflower for forage.

## Sugar Crops

- 24342 COONS, G. H., and MOSEMAN, A. H. The development of domestic sugar-beet seed production. Sugar J. 8(10): 18. Mar. 1946. 65.8 Su391
- 24343 DECOUX, L. Comment produire des betteraves riches en sucre? Inst. Belge pour l'Amélior. de la Betterave. P. 13: 187. May/June 1945. 66.9 In7
- 24344 DECOUX, L. L'influence de la culture de la betterave sur l'agriculture. Inst. Belge pour l'Amélior. de la Betterave. P. 13: 186-187. May/June 1945. 66.9 In7



24345 DECOUX, L., VANDERMAEREN, J., and ERNOULD, L. La végétation de la betterave en Belgique au cours de l'année 1944. Inst. Belge pour l'Amélior. de la Betterave. P. 13: 79-100. May/June 1945. 66.9 In7

English summary.

24346 McMARTIN, A. A newly released cane; some notes on N:CO. 310. So. African Sugar J. 30: 91. Feb. 1946. 65.8 So8

24347 THE SUGAR Experiment Stations Acts, 1900 to 1941. List of varieties of sugar cane approved for planting in 1946. Austral. Sugar J. 37: 429-430. Jan. 15, 1946. 65.8 Au7

#### Tobacco

24348 LARUE, W. C. Quality must again be tobacco growers' aim. Prog. Farmer, Car.-Va. Ed. 61(4): 34, 69. Apr. 1946. 6 P945

Interview with Dr. W. W. Garner.

24349 SMITH, J. L. Good tobacco begins in field. Fla. Grower 54(2): 10. Feb. 1946. 80 F6622

24350 STINSON, F. A. Stability in tobacco growing. Lighter 16(1): 1-2, processed. Feb. 1946. 286.89 G16

Fluctuations in yields.

24351 TIURINA, A. K. Kak my dobilis' vysokikh urozhaev makhorki [How we achieved high yields of Nicotiana rustica]. Sel'so (Ser. Kolkhoz. Zeml.) 14(79/80): 1-3. 1945. 20 Se475

#### HORTICULTURAL CROPS

Includes articles on general horticulture, and on varieties, breeding, cultural practices, and yield.

#### General

24352 A., H. N., and M., E. A short list of recent horticultural publications. Mo. Bot. Gard. B. 34: 69-73. Mar. 1946. 451 M69B

24353 BLACKMON, G. H. Fertilizing fruits and nuts. Fla. Grower 54(2): 9, 11. Feb. 1946. 80 F6622

24354 BROWN, A. R. Miniature coldframes. Flower Grower 33: 266. Apr. 1946. 80 M72

24355 DRUMMOND, J. G. Andrew Fairservice and his successors: the Scots gardener in England. Gard. Chron. 119: 130-131. Mar. 16, 1946. 80 G162

24356 ELLIS, M. G. Horticultural work at Seavichon [Experimental Station]. Family Herald and Weekly Star 77(5): 6. Jan. 30, 1946. 7 F21

24357 FAES, H. Station Fédérale d'Essais Viticoles et Arboricoles à Lausanne et Domaine de Pully. Rapports annuels 1943 et 1944. Landw. Jahrb. der Schweiz 59: 671-707. 1945. Ref. 17 L23

24358 FAIRBURN, D. C. Germination period for garden seeds. Mo. Bot. Gard. B. 34: 66-69. Mar. 1946. 451 M69B

24359 GORDON, K. M. La horticultura en el norte de China tal y como yo la vi. Inst. de Defensa del Café de Costa Rica. Rev. 16(132): 37-38. Nov. 1945. 68.28 C82

24360 HEPLER, J. R. Starting seeds. New England Homestead 119(4): 10-11. Feb. 23, 1946. 6 N442

24361 KAINS, M. G. Garden tricks save time, space and work. New England Homestead 119(6): 16. Mar. 23, 1946. 6 N442

24362 LECRONE, F. Better gardens for better living. Farmer-Stockman 59: 233. Apr. 1946. 6 Qk45

24363 MILLER, C. B. Tree grafting. House & Gard. [Greenwich] 89(4): 110, 112. Apr. 1946. 80 H81

24364 PECK, MRS. G. N. Farm to garden. Gard. Club Amer. B., ser. 10, No. 5, p. 59-62. Mar. 1946. 90.32 G16

24365 PENNSYLVANIA. DEPT. OF AGRICULTURE. List of certified nurserymen, dealers, & collectors. Pa. Dept. Agr. B., v. 28, No. 6, 27 p., processed. Harrisburg, 1945. 2 P38B

24366 PESCOTT, E. E. Advice about seed sowing will be useful soon. Stock and Land 36(3): 2. Jan. 16, 1946. 49 St63

24367 PRINCE, A. Cultivation by cloche. Poultry Farmer [London] 114(2956): 4. Feb. 15, 1946. 47.8 F312

24368 ROY, P. S. Le jardinage. Forêt Québécoise 11: 188. Mar. 1946. 99.8 F79

24369 SMOCK, R. M. Lethal marriages. Cornell Plantations 2: 32. Winter 1945/1946. 409.6 C812

Graft incompatibility.

24370 SNYDER, J. C., and LUCE, W. A. Pollen information and hand-work guide. Better Fruit 40(9): 13. Mar. 1946. 80 B46

24371 SNYDER, J. C. Pollination of fruit, nut trees is no longer solely a job for the busy little bees. Better Fruit 40(9): 11-14. Mar. 1946. 80 B46

24372 THORNE, MRS. O. A review of our gardens during the war years. Gard. Club Amer. B., ser. 10, No. 5, p. 35-37. Mar. 1946. 90.32 G16

24373 TUKEY, H. B. Investments in horticulture. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 39-43. 1946. 81 M58

Knowledge and organization recommended.

24374 VINCENT, C. L. Almost everyone can have a garden. Wash. Farmer 71, i. e. 81: 91, 107. Feb. 21, 1946. 6 H151

24375 WILSHIRE, MRS. J. Plants the backbone of life. Gard. Club Amer. B., ser. 10, No. 5, p. 56-58. Mar. 1946. 90.32 G16

#### Fruits--General

24376 ALDERMAN, W. H. Minnesota fruit breeding station to introduce 3 new fruit varieties. Minn. Farm and Home Sci. [Minn. Sta.] 3(2): 13. Feb. 20, 1946. 100 M688

24377 BYSCHE, G. T. A new system of orchard rejuvenation. Canad. Hort. & Home Mag. Growers' Ed. 69: 60. Mar. 1946. 80 C16

Experiments in grafting.

24378 CHALENKO, A. K. Kak my vosstanovili plo-dorodie sada. Sel'so (Ser. Kolkhoz. Zeml.) 14(66): 1-2. 1945. 20 Se475

Rehabilitation of orchards.

24379 DICKSON, G. H. Orchard planning. Canad. Hort. & Home Mag. Growers' Ed. 69: 56-57. Mar. 1946. 80 C16

24380 EVARTS, R. A Michigan grower's view of the western fruit grower's advantages and disadvantages. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 11-19. 1946. 81 M58

Apples in Washington State.

24381 EVREINOFF, V. A. Notes sur la pollinisation chez les arbres fruitiers. Terre d'Occ 27: 392-398. Nov. 1945. 14 T27

24382 H., E. M. Grafting fruit trees. Pop. Gard. 48: 38. Mar. 30, 1946. 80 G1622

24383 HAMBLETON, J. I. The fruit pollination problem. Wis. Hort. 36: 137. Feb. 1946. 80 W752

24384 HILTON, R. J. Frameworking of fruit trees. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 98-105, 107, 109. 82 N85

24385 JOHNSTON, S. My impressions of the California fruit industry. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 8-11. 1946. 81 M58

24386 NATIVIDADE, J. V. A sobreexertia das fruteiras adultas. II. Portugal. Junta Nac. das Frutas. B. 5(6): 3-9. June 1945. 286.3939 P83

24387 NELSON, R. C. Observaciones después de la cosecha. Cons. Práct. 10(112): 1-4. Apr. 1945. 80 C762

Care of fruit orchards.



24388 NELSON, R. C. Poda de arboles frutales. Cons. Práct. 10(114): 1-16. June 1945. 80 C762

24389 PESTONIT, S. Siembre frutales. Tierra Libre 9(12): 6. Dec. 1945. 8 T443

24390 POMEROY, A. Fruits for your delight. Gard. Chron. Amer. 50: 110, 113. Apr. 1946. 80 G1632

24391 TIAZHEL'NIKOV, A. Novaja "Severnaia" tarolochno-kustovaja forma krony plodovykh derev'ev. Sel'sco (Ser. Kolkhoz. Zeml.) 14(156/157): 1-4. 1945. 20 S475

Experiments in developing new type of crown in the culture of fruit trees.

#### Fruits--Citrus and Subtropical

24392 BENTON, R. J. Renovation of citrus trees. Citrus News 22(1): 13. Jan. 31, 1946. 80 C494

24393 CAHILL, V. Citrus tree pruning. West. Austral. Dept. Agr. J. 22: 210-221. Sept. 1945. 23 W52J

24394 CAMERON, A. E. Battle of the rootstocks. Irryple progress results favor sweet-orange. Citrus News 22(1): 5, 15. Jan. 31, 1946. 80 C494

24395 CEYLON. COCONUT RESEARCH SCHEME. Annual report, 1943, 22 p. Colombo, 1945. 77.9 C33

24396 CHANDLER, A. L. A better fruit program. Calif. Citrog. 31: 216-218. Apr. 1946. 80 C125

24397 EBEELING, W. O cultivo dos cítricos no México, Colombia, Perú e Chile. Fazenda 41(1): 42-45. Jan. 1946. 6 H1LP

Includes insect control.

24398 FRIEND, W. H. Monthly sequence in orchard operations. Part II. Tex. Farming and Citric. 22 (9): 17, 23. Mar. 1946. 80 T31

24399 HALMA, F. F. Quality of fruit from own-rooted and budded orange trees. Calif. Citrog. 31: 236-237. Apr. 1946. 80 C125

24400 MOTT, F. M. Our trip through the citrus South. Calif. Citrog. 31: 202, 229-234. (Concl.) Apr. 1946. 80 C125

24401 R., G. Tamaras e tamareiras. Chacaras e Quintais 73(1): 50-51. Jan. 15, 1946. 9.2 C34

Chiefly culture.

24402 ROMERO, G. La repoblación de los viejos naranjales. Paraguay. Min. de Agr. Cartilla Agropecuaria, No. 81/83, p. 27-30. July/Sept. 1945. 9.7 E472

24403 ROSSINI, M. Falto o aguacate. Buenos Aires (City). Bolsa de Cereales. Rev. 33(1738): 4, 6. Feb. 9, 1946. 257 B866

24404 RUTHERFORD, D. M. Brother, you gotta cull. Pacific Rural Press, South. Ed. 151: 134. Feb. 16, 1946. 6 P112A

Applies chiefly to citrus growers.

24405 SHEWELL-COOPER, W. E. Growing oranges under glass. Field 187: 44. Jan. 12, 1946. 10 F45

24406 VARGAS, A. M. Instalación de una escuela de citricultura en La Rioja. Chacra 16(184): 31. 75. Feb. 1946. 9 C34

#### Fruits--Deciduous

24407 ALLER, C. C. Nine hundred packed boxes of apples during a tree spacing program. Wash. State Hort. Assoc. Proc. (1945) 41: 35-38. 1946. 81 W273

24408 AUVIL, G. Thinning peaches with a brush. Wash. State Hort. Assoc. Proc. (1945) 41: 62. 1946. 81 W273

24409 BUSH, R. La fruticultura en Gran Bretaña. Agrario 10(373): 4. Jan. 15, 1946. 9.3 Ag55

24410 CHEAL, W. F. Apple-growing in the Wisbech district. Gt. Brit. Min. Agr. Agriculture 52: 548-551. Mar. 1946. 10 G79J

24411 CROCE, F. M. El duraznero. II-III. Vinos, Viñas y Frutas 41: 350-353, 427-432. Jan., Feb. 1946. 9 Ag89

II. Poda y raleo; III. Cosecha y empaque.

24412 DEGMAN, E. S. Anjou pear growing on heavy soils in the Medford, Oregon area. Wash. State Hort. Assoc. Proc. (1945) 41: 139, 141-142. 1946. 81 W273

24413 FRUTICULTURA. By Pestonit. Rincón Compesino 6(61/62): 9-11, 27. Dec./Jan. 1946. 8 R47

24414 GOURDE, H. Avec le technicien sur les fermes expérimentales de la province: l'arboriculture fruitière dans l'est du Québec. Terre de Chez Nous 18(23): 8, 17. Mar. 6, 1946. 7 T27

History and research.

24415 GOURLEY, J. H. Rotating the apple orchard. Wis. Hort. 36: 131. Feb. 1946. 80 W752

24416 GREEN, F. M. Apple varieties for the western slope. Colo. Farm B. [Colo. Sta.] 8(1): 6-11. Jan./Feb. 1946. 100 C71S

24417 HENDRICKSON, A. H., and VEIHMEYER, F. J. Irrigation effects on deciduous fruits. Pacific Rural Press 151: 246, 247. Mar. 16, 1946. 6 P112A

24418 HOW I prune my fruit trees and why. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 108-113. 1946. 81 M58

Apples, by R. Braman; Pears, by M. Vesper; and Peaches, by R. Anderson.

24419 LUCE, W. A. Sick [apple] tree in orchard needs severe pruning. Better Fruit 40(9): 19. Mar. 1946. 80 B46

24420 MCMUNN, R. L. Peach varieties on the Chicago market. Ill. State Hort. Soc. Ill. Hort. 35(1): 6-7. Jan. 1946. 80 I166

24421 MANN, A. J. Framework stocks for apple trees. Wash. State Hort. Assoc. Proc. (1945) 41: 17-19. 1946. 81 W273

Discussion, p. 19-20.

24422 MOSEGAARD, H. Frugttraesbeskaeringen. Haven 46(1): 7-8. Jan. 1946. 80 H29

Pruning of fruit trees.

24423 NOLD, T. The National Apple Institute. Wis. Hort. 36: 132, 134. Feb. 1946. 80 W752

24424 PORTERIE, J. Le gobelet bas. Terre d'Oc 27: 368. Oct. 1945. 14 T27

Pruning of fruit trees.

24425 S., H. L. From a hillside farm. Rural New-Yorker 105: 277. Apr. 6, 1946. 6 R88

Pruning and grafting of fruit trees.

24426 SCARSETH, G. D. At the spearhead of the rootlet. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 141-149. 1946. 81 M58

Fruit culture.

24427 SMOCK, R. M. Dwarf apple trees. Cornell Plantations 2: 23. Winter 1945/1946. 409.6 C812

24428 STRUCKMEYER, B. E. Hand pollination in the Delicious orchards at Wenatchee, Washington. Wis. Hort. 36: 163-164. Mar. 1946. 80 W752

24429 SUISSA, G. L'arboriculture fruitière et son évolution dans le Lot-et-Garonne et le Sud-Ouest de la France. Terre d'Oc 27: 353-364. Oct. 1945. 14 T27

24430 TOENJES, W. The Macoun apple sets fruits in 1945 under adverse spring weather conditions. Mich. Agr. Expt. Sta. Q. B. 28: 189-190. Feb. 1946. 100 M58S

24431 TRAINING young apple trees. Wash. State Hort. Assoc. Proc. (1945) 41: 87-91, 93-96. 1946. 81 W273

Discussion by L. Verner, F. L. Overley, C. Rumboltz, and A. C. Rich under the direction of W. G. Hayes, Chairman.

24432 TRAINING young cherry, peach and apricot trees. Wash. State Hort. Assoc. Proc. (1945) 41: 69-70, 72-73. 1946. 81 W273

Discussion, p. 73-74.

Cherries, by C. Rowe; Peaches, by C. C. Clark; Apricots, by E. D. Gensinger.

Panel discussion under the direction of W. A. Luce.

24433 ZUROSKIE, C. H. Short cuts in apple harvest. Wash. State Hort. Assoc. Proc. (1945) 41: 185-187, 189-190. 1946. 81 W273



Fruits--Small

- 24434 B., W. A. New berry patch. Wallaces' Farmer 71: 355. Apr. 6, 1946. 6 W15  
Strawberry culture.
- 24435 BAILLARGE, E. Les hybrides et les métiés de Bois-Charente. Terre d'Oc 27: 399-405. Nov. 1945. 14 T27  
On the Institut de Recherches Viticoles de Bois-Charente.
- 24436 CASTAGNON, R. Projet d'une station de recherches viticoles en Armagnac. Terre d'Oc 27: 381-382. Oct. 1945. 14 T27
- 24437 CHAPPAZ, M. G. Note concernant la taille en Bourgogne. Off. Internat. du Vin. B. 18 (175/178): 64-65. Sept./Dec. 1945. 390.8 B87  
Grapes.
- 24438 DARROW, G. M. Strawberry varieties for the Chesapeake Peninsula. Peninsula Hort. Soc. Trans. (1945) 59: 12-13. 1946. 81 P37  
Discussion. p. 13-18.
- 24439 DRAGÓN ACHARD, E. La muerte de las plantas en los viñedos nuevos; forma de evitarla. Vinos, Viñas y Frutas 41: 411-412. Feb. 1946. 9 Ag89
- 24440 DRAGÓN ACHARD, E. Las plantas improductivas y las fallas en el viñedo. Vinos, Viñas y Frutas 41: 335-336. Jan. 1946. 9 Ag89
- 24441 ESCOBAR, R., JR. La vid. Agr. Mex. 62 (2): 26-32. Feb. 1946. 8 Ag8  
Culture.
- 24442 FORNABAIO, M. Vivero de plantas madres de vides americanas. Corp. Frutícola Argentina. Rev. Ofic. 11(132): 11-12. Dec. 31, 1945. 83 C81
- 24443 IVANOVA, E. Ulichshennyi sposob razmnozhenia krasnoi smorodiny derevianistymi cherenkami [Improved method of propagating red currants with woody cuttings]. Sel'so (Ser. Kolkhoz. Zeml.) 14 (138/139): 4. 1945. 20 Se475
- 24444 LEYVRAZ, H. Le pincement ou écoimage de la vigne. Switz. Sta. Féd. d'Essais Vitic. et Arbor. P. 339, 8 p. Lausanne, 1945. 105.5 Sw63
- 24445 LOREE, R. E. Effect of climate on the performance of grapes in Michigan: some 1945 observations. Mich. Agr. Expt. Sta. Q. B. 28: 173-175. Feb. 1946. 100 M585
- 24446 NORMAN, C. Strawberries for amateurs. Pop. Gard. 48: 26. Mar. 23, 1946. 80 G1622
- 24447 OBERLE, O. D. Vineyard practices for 1946. Rural New-Yorker 105: 276-277. Apr. 6, 1946. 6 R88
- 24448 OLNEY, A. J. Farm gardens need some grape vines. Ky. Farmer's Home J. 82(2): 34. Feb. 1946. 6 F2237
- 24449 PARSONS, H. Sweet cherries for the small garden. Pop. Gard. 48: 26. Mar. 23, 1946. 80 G1622
- 24450 PICASSO, J. A. Origen de la vid en America. Vinos, Viñas y Frutas 41: 328-330. Jan. 1946. 9 Ag89  
From Los Andes, Mendoza.
- 24451 PINFIELD, J. A. Strawberries are profitable. Canad. Hort. & Home Mag. Growers' Ed. 69: 61. Mar. 1946. 80 C16
- 24452 PIROVANO, A. Difesa antifillosserica; riconoscimento di alcuni portainnesti. Difesa delle Piante 1: 40. Oct. 1945. 464.8 D56
- 24453 RIVEROS, J. E. Empleo de portainjertos americanos en la reconstitución de los viñedos. Chacra 16(183): 38-39. Jan. 1946. 9 C34  
Appears also, with slightly different title, in Vinos, Viñas y Frutas 41: 407-410. Feb. 1946. 9 Ag89
- 24454 S., C. R. Try the boysenberry. Pop. Gard. 48: 38. Mar. 30, 1946. 80 G1622
- 24455 SHEWELL-COOPER, W. E. First steps towards good grape crops. Smallholder 74(1876): 11. Mar. 1 1946. 10 Sml
- 24456 SHEWELL-COOPER, W. E. Giving strawberries a clean start. Smallholder 74(1877): 11. Mar. 8, 1946. 10 Sml

- 24457 SLATE, G. L. Back-yard blueberries. Home Gard. 7(4): 59-61. Apr. 1946. 80 H756
- 24458 SLATE, G. L. Blueberry growing. Rural New-Yorker 105: 271. Apr. 6, 1946. 6 R88
- 24459 SMITH, R. W. Hints for the home fruit grower; the grape. Organic Gard. 8(5): 27-31. Apr. 1946. 56.8 Or3
- 24460 SNYDER, J. C. Proper way to prune grapes is explained. Better Fruit 40(9): 26-27, 29, 31-32. Mar. 1946. 80 B46
- 24461 TOWLE, D. S. Blueberries beat idle farm acres. Esso Farm News 5(2): 6-7. Mar. 1946. 6 Es72

Nuts

- 24462 RICKARD, J. A. The pecan orchard. Your Farm 4(5): 82-86. Mar. 1946. 6 Y8

Ornamental Plants

- 24463 ABBEY, F. M. Bleedingheart [Dicentra spectabilis]. Flower Grower 33: 245-246, 270. Apr. 1946. 80 M72
- 24464 ADAIR, E. F. The poinsettias. Calif. Gard. 36(3): 4. Autumn 1945. 80 C127
- 24465 AHRENDT, MRS. A. Large gloxinia tubers. Horticulture 24: 46. Jan. 15, 1946. 80 H787
- 24466 AHRENDT, MRS. A. Salpiglossis. Back to Eden 12(9): 7. Apr. 1946. 80 B12
- 24467 AKERS, J. F. A cactus collector goes to Peru. Cactus and Succulent J. 18: 35-36. (To be cont.) Mar. 1946. 451 C11
- 24468 ALLEN, O. E., and JENKINS, D. H. Spring corsages from your own flowers. Flower Grower 33: 256-258. Apr. 1946. 80 M72
- 24469 ALLEN, P. L. Your dahlia garden. Arboretum B. 9(1): 11-13. Spring 1946. 451 Arl
- 24470 ALLEN, R. C. Roses for November. Home Gard. 6(5): 77-79. Nov. 1945. 80 H756
- 24471 ANDERSON, E. Daffodils for the garden. Mo. Bot. Gard. B. 34: 63-66. Mar. 1946. 451 M69B
- 24472 ANDREWS, H. M. New plan for growing bulbs. Horticulture 24: 40. Jan. 15, 1946. 80 H787
- 24473 ANDREWS, H. N. A colorful greenhouse vine [Clerodendron thomsonae]. Mo. Bot. Gard. B. 34: 78-81. Mar. 1946. 451 M69B
- 24474 ANDREWS, W. S. Sell a seedling. New England Gladiolus Soc. Gladiolus (1946) 21: 133-135. 96.43 M44
- 24475 ARNOLD, R. E. The cypellae. Gard. Chron. 119: 111. Mar. 9, 1946. 80 G162
- 24476 ARNOLD, R. E. Stachyurus chinensis. Gard. Chron. 119: 124. Mar. 16, 1946. 80 G162
- 24477 ARNSTEIN, MRS. K. Roses as a hobby. Gard. Club Amer. B., ser. 10, No. 5, p. 10-22. Mar. 1946. 90.32 G16
- 24478 B., A. G. Genista sagittalis. Gard. Chron. 119: 111-112. Mar. 9, 1946. 80 G162
- 24479 B., A. G. Lonicera standishii. Gard. Chron. 119: 112. Mar. 9, 1946. 80 G162
- 24480 B., A. G. Ochna multiflora. Gard. Chron. 119: 112. Mar. 9, 1946. 80 G162
- 24481 B., L. Astilbes are showy. Pop. Gard. 48: 29. Mar. 23, 1946. 80 G1622
- 24482 B., R. The vine is the important thing; sensible ideas for trellises. Home Gard. 7(4): 40-41. Apr. 1946. 80 H756
- 24483 BAILEY, R. Cutting chrysanthemum coupons. Home Gard. 7(4): 34-35. Apr. 1946. 80 H756
- 24484 BAILEY, R. Whistle-stop for plant traffic. Home Gard. 6(5): 20-24. Nov. 1945. 80 H756  
A nursing bed in care of ornamental plants.
- 24485 BALL, G. J. Our snapdragon trials. Grower Talks 9(10): 20-22. Feb. 1946. 80 G91



- 24486 BALL, MRS. S. Y. Adventures with seeds. Gard. Club Amer. B., ser. 10, No. 5, p. 22-23. Mar. 1946. 90.32 G16
- 24487 BALTHUS, F. K. The blush wort, *Trichosporum lobbianum* (syn. *Aeschynanthus*). Gard. Chron. Amer. 50: 111. Apr. 1946. 80 G1632
- 24488 BARNES, P. M. Flowering peaches in Iowa. Flower Grower 33: 266. Apr. 1946. 80 M72
- 24489 BAUER, R. Clean off dust from foliage. Back to Eden 12(8): 11. Mar. 1946. 80 B12  
House plants.
- 24490 BIRCH, C. H. Lew White's seedling. New England Gladiolus Soc. Gladiolus (1946) 21: 135-136. 96.43 N44
- 24491 BIRCH, C. H. Parentage by-paths. New England Gladiolus Soc. Gladiolus (1946) 21: 128-130. 96.43 N44
- 24492 BLAESING, W. C. Chicago floral shows grow in popularity. Parks & Recreation 29: 65-67. Mar./Apr. 1946. 98.8 P23
- 24493 BOYD, W. *Daphne blagayana*. Gard. Chron. 119: 99. Mar. 2, 1946. 80 G162
- 24494 BREAKEY, E. P. Growing lilies in the Pacific Northwest. Arboretum B. 9(1): 18-21. 40. Spring 1946. 451 Ar1
- 24495 BRUKER, F. G. Flowers for winter morale. Family Herald and Weekly Star 77(3): 44. Jan. 16, 1946. 7 F21  
Flower arrangement.
- 24496 BRUN-MØLLER, P. Kan vi laere noget af svenskerne? Haven 46(1): 3-5. Jan. 1946. 80 H29  
Description of landscaping of garden cities in Sweden.
- 24497 BUCH, P. O. Whence came our gladiolus - and what of the future? New England Gladiolus Soc. Gladiolus (1946) 21: 11-15. 96.43 N44
- 24498 CAMPBELL, C. Growing the miniature dahlia. Horticulture 24: 49. Jan. 15, 1946. 80 H787
- 24499 CARLETON, R. M. Anti-shock treatment for late fall transplants. Home Gard. 6(5): 85-86. Nov. 1945. 80 H756
- 24500 CLARK, A. M. Begonia show extraordinary. Calif. Gard. 36(3): 3, 7. Autumn 1945. 80 C127
- 24501 CLARK, D. Old fashioned flowers; gladiolus. Organic Gard. 8(5): 13-16. Apr. 1946. 56.8 Or3
- 24502 COCKER, H. *Exochorda grandiflora*. Gard. Chron. 119: 123-124. Mar. 16, 1946. 80 G162
- 24503 COCKER, H. *Prunus (Cerasus) [Serrulata]* Tai Haku. Gard. Chron. 119: 111. Mar. 9, 1946. 80 G162
- 24504 COFFIN, MRS. C. H. Conservation in the conservatory. Gard. Club Amer. B., ser. 10, No. 5, p. 93-95. Mar. 1946. 90.32 G16
- 24505 COOK, M. L. Evergreen bittersweet [*Euonymus fortunei radicans*]. Back to Eden 12(9): 8. Apr. 1946. 80 B12
- 24506 COOPER, I. C. G. Flowers of our fields, the buttercups [*Ranunculus*]. Staten Isl. Inst. Arts and Sci. Mus. B. 28: 50-51, 54. Mar. 1946. 500 St2M
- 24507 COYLE, G. Violets are blue. Gard. Chron. Amer. 50: 110. Apr. 1946. 80 G1632  
Cut flowers.
- 24508 CREAGER, D. B. Bulb treatment improves gladiolus production in Florida. North Amer. Gladiolus Council. B., Mar. 1946, p. 8, 30. 96.43 N81
- 24509 CRISP-DELL, MRS. H. Gloxinias. Back to Eden 12(9): 9. Apr. 1946. 80 B12
- 24510 CROCKET, R. M. More about annual vines. Gard. Chron. Amer. 50: 98. Apr. 1946. 80 G1632
- 24511 CROSS, P. E. Flowers on the mixed farm. Fruit, Flower, & Veg. Trades' J. 89: 29. Jan. 19, 1946. 80 F946  
Chiefly flowers.
- 24512 DAKERS, J. S. April--seed sowing time. Homes and Gard. 27(11): 40-41, 73. Apr. 1946. 318.8 Ou7
- 24513 DALRYMPLE, H. Hardy cyclamen. Gard. Chron. 119: 112. Mar. 9, 1946. 80 G162
- 24514 DARLING, J. Does your house need a haircut? House Beautiful 88(4): 113, 153-155. Apr. 1946. 296.8 H81  
Pruning shrubs and trees.
- 24515 DARNELL, MRS. J. C. The bougainvillea. Back to Eden 12(8): 3. Mar. 1946. 80 B12
- 24516 DARNELL, MRS. J. C. Godetia, "sweetheart." Back to Eden 12(8): 10. Mar. 1946. 80 B12
- 24517 DARNELL, MRS. J. C. The Japanese desmodium [*Lespedeza sieboldii*]. Back to Eden 12(8): 10. Mar. 1946. 80 B12
- 24518 DARNELL, MRS. J. The old tiger lily [*Lilium tigrinum*]. Back to Eden 12(9): 7. Apr. 1946. 80 B12
- 24519 DAVENPORT, C. K. Annuals you've never grown. Home Gard. 6(5): 91-98. Nov. 1945. 80 H756
- 24520 DIMOCK, A. W. How to grow healthy chrysanthemums. Flower Grower 33: 252-253, 271-275. Apr. 1946. 80 M72
- 24521 DONEY, C. F. Plant for permanence; winter honeysuckle [*Lonicera fragrantissima*]. Flower Grower 33: 251. Apr. 1946. 80 M72
- 24522 DOWNER, H. E. Some plants don't like it cold. Home Gard. 6(5): 55-58. Nov. 1945. 80 H756  
Frost protection methods.
- 24523 DUNCOMB, M. Fragrant white Allium. Back to Eden 12(8): 5. Mar. 1946. 80 B12
- 24524 DUNSTER, B. P. *Calluna vulgaris*. Gard. Chron. 119: 124. Mar. 16, 1946. 80 G162
- 24525 DUNSTER, B. P. Hardy ferns. Gard. Chron. 119: 102. Mar. 2, 1946. 80 G162
- 24526 E., M. M. For planting in spring. A choice of favourite flowers. Pop. Gard. 48: 30. Mar. 23, 1946. 80 G1622
- 24527 E., S. B. The flowering sages [*Salvia*]. Pop. Gard. 48: 29. Mar. 23, 1946. 80 G1622
- 24528 ELLISON, W. J. Today's Hemerocallis. Canad. Hort. & Home Mag. Floral Ed. 69: 57-58. Mar. 1946. 80 C16F
- 24529 EVERETT, T. H. Cotonasters, all-purpose shrub team. Home Gard. 7(4): 84-85. Apr. 1946. 80 H756
- 24530 EVERETT, T. H. Plant portraits [*Cytisus canariensis* and *Centaurea americana*]. Gard. Chron. Amer. 50: 106-107. Apr. 1946. 80 G1632
- 24531 EVERHART, R. O. Judging rules and ethics. New England Gladiolus Soc. Gladiolus (1946) 21: 96-98. 96.43 N44
- 24532 EVERHART, R. O. New type trial garden. New England Gladiolus Soc. Gladiolus (1946) 21: 136-138. 96.43 N44
- 24533 EWING, G. Have a new carpet of flowers every spring. House Beautiful 88(3): 98-99, 145, 158. Mar. 1946. 296.8 H81
- 24534 EWING, G. You'll live outdoors more if you have terraces. House Beautiful 88(4): 110-111. Apr. 1946. 296.8 H81
- 24535 EYLAR, F. B. Iris kaempferi--Japanese iris. Arboretum B. 9(1): 6-10, 38. Spring 1946. 451 Ar1
- 24536 FAHEY, W. *Cypripediums*. Austral. Orchid Rev. 10: 74. Dec. 1945. 80 Au73
- 24537 FAIRCHILD, L., and FAIRCHILD, J. Glads - and the shows. New England Gladiolus Soc. Gladiolus (1946) 21: 39-41. 96.43 N44
- 24538 FIGUEROA, R. DE. Meio facil de cultivar orquideas. Chacaras e Quintais 73(1): 64-67. Jan. 15, 1946. 9.2 C34
- 24539 FISHBURN, J. News to an English friend [about hybridizing iris]. Amer. Iris Soc. B., No. 100, p. 20-32. Jan. 1946. 81 Am39
- 24540 FISHER, G. M. State flowers; Montana. Gard. Chron. Amer. 50: 114. Apr. 1946. 80 G1632
- 24541 FOX, M. C. How to grow fine asters. Back to Eden 12(8): 2. Mar. 1946. 80 B12



- 24542 FREE, M. Bright plants for dull windows. Home Gard. 7(4): 55-56. Apr. 1946. 80 H756
- 24543 FREE, M. How to transplant evergreens. Home Gard. 7(4): 26-30. Apr. 1946. 80 H756
- 24544 FREE, M. 102 house plants that really bloom. Home Gard. 6(5): 60-67. Nov. 1945. 80 H756
- 24545 GOBIN, A. N. Begonias. Back to Eden 12(8): 10. Mar. 1946. 80 B12
- 24546 GRAVES, H. A. Driveway is important in landscaping of farms. Agr. Leaders' Digest 27(3): 51. Mar. 1946. 275.28 Am3
- 24547 GRECO, J. F. La adelfa o laurel rosa [Nerium oleander]. Chacra 16(183): 70-71. Jan. 1946. 9 C34
- 24548 GRIFFIN, MRS. J. Successful germination of gourds. Back to Eden 12(9): 7. Apr. 1946. 80 B12
- 24549 GROHS, E. W. Retaining walls. Arboretum B. 9(1): 27-28. Spring 1946. 451 Arl
- 24550 GROW a few hardy border chrysanthemums. By Florist. Pop. Gard. 48: 37. Mar. 30, 1946. 80 G1622
- 24551 GUTIERREZ ESTRADA, J. Instrucciones para enanificar pinos. Cult. Agr. 5(50): 14. Jan. 30, 1946. 9.4 C89
- 24552 H., A. Astilbes. Gard. Chron. 119: 123. Mar. 16, 1946. 80 G162
- 24553 H., F. S. A word for Pentstemon. Pop. Gard. 48: 29. Mar. 23, 1946. 80 G1622
- 24554 HADDRELL, B. Growing powder puff cacti. Horticulture 24: 40. Jan. 15, 1946. 80 H787
- 24555 HAMLEN, F. G. Buttercups [Ranunculus] of the Pacific Northwest. Arboretum B. 9(1): 24-27. Spring 1946. 451 Arl
- 24556 HANLEY, J. H. The [University of Washington] Arboretum through the spring of 1946. Arboretum B. 9(1): 22-23, 42. Spring 1946. 451 Arl
- 24557 HEALD, MRS. S. W. The gardens of Panama. Gard. Club Amer. B., ser. 10, No. 5, p. 38-45. Mar. 1946. 90.32 G16
- 24558 HEMPHILL, MRS. W. H. A roof garden flower show. Gard. Club Amer. B., ser. 10, No. 5, p. 68-69. Mar. 1946. 90.32 G16
- 24559 HENDERSON, E. S. Junipers; the dry land evergreens. Gard. Chron. Amer. 50: 104-105, 114. Apr. 1946. 80 G1632
- 24560 HENDRICKS, L. G. New borders for old. Better Homes & Gard. 24(8): 40, 111-112. Apr. 1946. 80 F9424
- 24561 HERSHEY, J. W. Nut trees in America [as ornamentals]. Forest Leaves 35(6): 14-16. Nov./Dec. 1945. 99.8 F763
- 24562 HIGGINS, E. B. The fabulous ferns. Calif. Gard. 36(3): 2-3, 7-8. Autumn 1945. 80 C127
- 24563 HILSDEN, C. A. Points in potting and culture. Austral. Orchid Rev. 10: 64-65. Dec. 1945. 80 An73
- 24564 HOGG, R. B. Hasty culling. Austral. Orchid Rev. 10: 70. Dec. 1945. 80 An73
- 24565 HOPKINS, J. R. My 1945 season list of best varieties by color and size classes. New England Gladiolus Soc. Gladiolus (1946) 21: 73-84. 96.43 H44
- 24566 HOYT, R. Your hydrangea. Calif. Gard. 36(3): 4-5. Autumn 1945. 80 C127
- 24567 HUGGINS, M. I. The peony—Chinese symbol of spring. Nat. Hist. 55: 190-193. Apr. 1946. 500 N483J
- First of a series on flowers of the four seasons.
- 24568 HUTTENLOCHER, F. Easter beauty two weeks long. Better Homes & Gard. 24(8): 76. Apr. 1946. 80 F9424
- Flower arrangement.
- 24569 INHERSOLL, H. His [Disraeli's] favorite flower, the primrose. Gard. Chron. Amer. 50: 112. Apr. 1946. 80 G1632
- 24570 ISAAC, E. E. Starting new lawns. Mont. Farmer 33(14): 4, 37. Mar. 15, 1946. 6 M764
- 24571 J., H. Aristolochia goldiana. Gard. Chron. 119: 124. Mar. 16, 1946. 80 G162
- 24572 JAMES, T. H. Notes for novices. Austral. Orchid Rev. 10: 67-68. Dec. 1945. 80 An73
- 24573 JAMES, H. E. Twenty commercial varieties for the grower to consider. North Amer. Gladiolus Council. B., Mar. 1946, p. 5. 96.43 N81
- 24574 JEFFERY, H. Phlox subulata var. lilacina. Gard. Chron. 119: 99. Mar. 2, 1946. 80 G162
- 24575 JEFFERY, H. Primula auricula, old yellow dusty miller. Gard. Chron. 119: 123. Mar. 16, 1946. 80 G162
- 24576 JEFFERY, F. W. Rhododendron nobleum. Gard. Chron. 119: 124. Mar. 16, 1946. 80 G162
- 24577 JOHNSON, L. P. V. Fertilization in Ulmus with special reference to hybridization procedure. Canad. J. Res. Sect. C, Bot. Sci. 24: 1-3. Feb. 1946. 470 C16C
- 24578 JONES, C. E. Little tips to gardeners. Back to Eden 12(9): 9. Apr. 1946. 80 B12
- 24579 KAMMERER, E. L. Horticultural treasures--introductions of Ernest H. Wilson. Morton Arboretum B. Pop. Inform. 21: 5-10. Feb. 1946. 99.9 M84
- 24580 KELLY, MRS. W. F. Alstroemeria violacea. Gard. Club Amer. B., ser. 10, No. 5, p. 92. Mar. 1946. 90.32 G16
- 24581 KRUPENIKOV, I. A. Samoe severnoe mesto-nakhozhdenie lomonosa Clematis orientalis L. v Kazakhstane [The most northern location of Clematis orientalis in Kazakhstan]. Sovet. Bot. 13(3): 62-63. 1945. 450 So8
- 24582 L., N. Popular hybrid teas. Pop. Gard. 48: 29. Mar. 23, 1946. 80 G1622
- 24583 L., W. G. Stapelias in hot water. Desert Plant Life 18: 12. Jan. 1946. 450 D45
- 24584 LABRUM, M. C. This fascinating game. New England Gladiolus Soc. Gladiolus (1946) 21: 142-145. 96.43 H44
- 24585 LAMBERT, N. Beautiful climbing and rambling roses. Pop. Gard. 48: 36. Mar. 30, 1946. 80 G1622
- 24586 LAMBERT, N. Final preparations for sweet pea planting. Pop. Gard. 48: 36. Mar. 30, 1946. 80 G1622
- 24587 LAMSON, M. D. Cutting gardens; how to design them for continuous yields. House & Gard. [Greenwich] 89(4): 96-97, 161-165. Apr. 1946. 80 B81
- 24588 LARUS, C. T. An experiment in hybridizing. New England Gladiolus Soc. Gladiolus (1946) 21: 124-128. 96.43 H44
- 24589 LAWREN, J. "Glad" and lily crops look important in Florida. South. Florist and Nurseryman 58(52): 10. Mar. 29, 1946. 80 So86
- 24590 LAWRENCE, M. R. Extending the planting season [in nurseries]. Amer. Nurseryman 83(7): 15-17. Apr. 1, 1946. 80 Am371
- 24591 LEATHERMAN, S. B. Epiphyllums (the orchid cactus). Back to Eden 12(9): 1-2. Apr. 1946. 80 B12
- 24592 LEMMON, R. S. The best-loved trees of America. Home Gard. 7(4): 46-54. (To be cont.) Apr. 1946. 80 H756
- American elm and American plane tree.
- 24593 LEMMON, R. S. In autumn you discover the patterns of the trees. Home Gard. 6(5): 9-12. Nov. 1945. 80 H756
- 24594 LEVY, F. H. How to succeed with polyanthus primroses. Flower Grower 33: 247, 267-269. Apr. 1946. 80 M72
- 24595 LINDSEY, I. M. A house is only as nice as its setting. House Beautiful 88(4): 104-105. Apr. 1946. 296.8 B81



- 24596 LISAVENKO, M. A. Razvodite Kural'skuiu ivu [Cultivate the Kural willow]. Sel'so (Ser. Kolkhoz. Zeml.) 14(136/137): 3-4. 1945. 20 Se475
- 24597 LOVESEY, B. E. Show winners - 1945 symposium. New England Gladiolus Soc. Gladiolus (1946) 21: 69-72. 96.43 N44
- 24598 LOWE, T. A. Host of golden daffodils. Canad. Hort. & Home Mag. Floral Ed. 69: 67. Mar. 1946. 80 C16F
- 24599 MCAFEE, H. M. Tuberous begonia unique in colourings and form. Canad. Hort. & Home Mag. Floral Ed. 69: 62. Mar. 1946. 80 C16F
- 24600 MCCOMBS, L. Try these new and unusual annuals. Flower Grower 33: 255. Apr. 1946. 80 M72
- 24601 MCFARLAND, J. H. This year you can visit other [ornamental] gardens. Flower Grower 33: 278-279. Apr. 1946. 80 M72
- 24602 MCFARLAND, J. H. A white forsythia. Horticulture 24: 54. Jan. 15, 1946. 80 H787
- 24603 MCMEIKIN, J. A poplar moves over. Better Homes & Gard. 24(8): 90. Apr. 1946. 80 F9424
- 24604 MAHLUM, W. Beginner's luck with gladiolus. New England Gladiolus Soc. Gladiolus (1946) 21: 29-30. 96.43 N44
- 24605 MAY, L. E. National gladiolus ratings. North Amer. Gladiolus Council. B., Mar. 1946, p. 14. 96.43 N81
- 24606 MEYER, H. Lawns. Organic Gard. 8(5): 20-24. Apr. 1946. 56.8 Or3
- 24607 MICHON, L. Bonnes et mauvaises méthodes de sectionner les branches d'un arbre d'ornement. Forêt Québécoise 11: 178-179. Mar. 1946. 99.8 F79
- 24608 MILLIGAN, C. E. Orchids in the living room. Gard. Club Amer. B., ser. 10, No. 5, p. 95-96. Mar. 1946. 90.32 G16
- 24609 MORRISON, B. Y. Notes on spring-flowering Crocus species. Gard. Club Amer. B., ser. 10, No. 5, p. 28-34. Mar. 1946. 90.32 G16
- 24610 MOSNAT, H. R. Phlox divaricata. Horticulture 24: 50. Jan. 15, 1946. 80 H787
- 24611 MURRELL, O. Planning and planting an iris border. Amer. Iris Soc. B., No. 100, p. 46-51. Jan. 1946. 81 Am39
- 24612 NEFF, G. Wildflowers for early gardens. Better Homes & Gard. 24(8): 87. Apr. 1946. 80 F9424
- 24613 NEWTON-WHITE, M. E. Spring blossoms. Canad. Nature 8: 39. Mar./Apr. 1946. 410 C162
- 24614 NOER, O. J. How to improve postwar turf maintenance. Golfdom 20(1): 54-58, 61. Jan. 1946. 60.18 G58
- 24615 NORES, G. Calendario floral. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 61. Feb. 21, 1946. 9.9 G15B
- 24616 NORRIS, J. L. Germination by culture of Orchidaceae. Austral. Orchid Rev. 10: 71. Dec. 1945. 80 Au73
- 24617 NORTON, G. F. The fringed gentians. Horticulture 24: 38. Jan. 16, 1946. 80 H787
- 24618 NOYES, F. B. The size and age of a few cacti. Cactus and Succulent J. 18: 41-43. Mar. 1946. 451 C11
- 24619 OLIVER, R. W. Outdoor roses in Canada. Canad. Dept. Agr. Farmers' B. 133, 34 p. Ottawa, 1946. (P. 777) 7 C16F
- 24620 ORR, D. S. Miniature irises. House & Gard. [Greenwich] 89(4): 139-141, 146, 149. Apr. 1946. 80 H81
- 24621 PALMER, E. F. Looking backward. New England Gladiolus Soc. Gladiolus (1946) 21: 119-122. 96.43 N44
- Gladiolus hybridization.
- 24622 PARRELLA, A. What should I look for in choosing good dahlias? Home Gard. 7(4): 62-66. Apr. 1946. 80 H756
- 24623 PATTERSON, C. F. Hardy cream and pink lilies; lily breeding at the University of Saskatchewan has at last resulted in hardy non-orange lilies. Country Guide 65(3): 34. Mar. 1946. 7 G76
- 24624 PEARCE, R. D. Grow your own perennials from seed. Flower Grower 33: 248-249, 276-277. Apr. 1946. 80 M72
- 24625 PFISTER, C. E. Roses are my weakness. Home Gard. 7(4): 19-23. Apr. 1946. 80 H756
- 24626 PFISTER, C. E. Standard roses bow to winter. Home Gard. 6(5): 13-14. Nov. 1945. 80 H756
- 24627 PFUND, P. In defense and favor of foundation plantings. Organic Gard. 8(5): 7-10. Apr. 1946. 56.8 Or3
- 24628 PIKE, A. V. Gypsophila paniculata var. flamingo. Gard. Chron. 119: 100. Mar. 2, 1946. 80 G162
- 24629 PIKE, A. V. Rodgersia podophylla. Gard. Chron. 119: 112. Mar. 9, 1946. 80 G162
- 24630 PLATT, D. Blooming shrubs--the lazy man's garden. House Beautiful 88(4): 114-115. Apr. 1946. 296.8 H81
- 24631 PRATT, R. Bloom along. Ladies' Home J. 63(4): 42. Apr. 1946. 321.8 L12
- Laying out of a flower garden.
- 24632 PRESTON, I. The newer varieties of lilies at the Central Experimental Farm. Canad. Hort. & Home Mag. Floral Ed. 69: 59-60. Mar. 1946. 80 C16F
- 24633 PROFITABLE pot plants. By Onward. Fruit, Flower, & Veg. Trades' J. 89: 111. Mar. 2, 1946. 80 F946
- 24634 PUPICH, J. A. World wide cooperation among gladiolus growers. New England Gladiolus Soc. Gladiolus (1946) 21: 19-22. 96.43 N44
- 24635 RAY, M. Texas stretches the iris season. Home Gard. 7(4): 31-33. Apr. 1946. 80 H756
- 24636 READETT, A. G. Iris reticulata. Gard. Chron. 119: 99-100. Mar. 2, 1946. 80 G162
- 24637 READETT, A. J. Saxifraga grisebachii. Gard. Chron. 119: 123. Mar. 16, 1946. 80 G162
- 24638 RHODES, MRS. F. E. Bells of Ireland [Mollucella laevis] in Iowa. Horticulture 24: 36. Jan. 15, 1946. 80 H787
- 24639 RHODES, C. When new shrubs and trees arrive. Better Homes & Gard. 24(8): 104-105. Apr. 1946. 80 F9424
- 24640 RILEY, L. Hardy chrysanthemums. Canad. Hort. & Home Mag. Floral Ed. 69: 63-64. Mar. 1946. 80 C16F
- 24641 ROBLIN, L. Success with achimenes. Horticulture 24: 50-51. Jan. 15, 1946. 80 H787
- 24642 ROCKWELL, F. F. New flowers to grow from seed. Country Gent. 116(4): 24-25, 83, 85-86. Apr. 1946. 6 C833
- 24643 RODRÍGUEZ LÓPEZ, D. Estudio de los factores que afectan la conservación de las flores cortadas. Asoc. de Ingen. Agron. Rev. 17(3): 5-15. Sept. 1945. Ref. 290.9 As73
- English summary.
- 24644 ROWNTREE, L. Candollea. Gard. Chron. Amer. 50: 111. Apr. 1946. 80 G1632
- 24645 RUPP, H. M. R. An enterprising orchid [Epidendrum obrienianum]. Victorian Nat. 62: 185. Feb. 1946. 410 V66
- 24646 RYAN, R. W. Ten years, hobby and profit. New England Gladiolus Soc. Gladiolus (1946) 21: 25-28. 96.43 N44
- Gladiolus culture.
- 24647 SECKMAN, M. C. Foreground plants. House & Gard. [Greenwich] 89(4): 152-155, 160. Apr. 1946. 80 H81
- 24648 SEELEY, J. G. Cornell men discuss plant ills, automatic watering. South. Florist and Nurseryman 58(51): 7, 14-15. Mar. 22, 1946. 80 Se86



- 24649 SEELEY, J. G. Soil fertilization, timing of crops, Cornell topics. South. Florist and Nurseryman 58(52): 7, 14-15. (Cont.) Mar. 29, 1946. 80 So86
- 24650 SHAW, J. Brief summary or ten years [orchid culture]. Austral. Orchid Rev. 10: 79-80. Dec. 1945. 80 Au73
- 24651 SHETRONE, H. C. From Ohio. Cactus and Succulent J. 18: 37-38. Mar. 1946. 451 C11 Cactus.
- 24652 SLATE, G. L. How to plant good lilies. Home Gard. 6(5): 80-84. Nov. 1945. 80 H756
- 24653 SMITH, J. G. Dendrobiums. Austral. Orchid Rev. 10: 81. Dec. 1945. 80 Au73
- 24654 SMITHETT, P. B. Blooming dates and variety comments. New England Gladiolus Soc. Gladiolus (1946) 21: 85-93. 96.43 N44
- 24655 STARKER, C. Selected shrubs for walls and slopes. Arboretum B. 9(1): 1-5, 36-37. Spring 1946. 451 Ar1
- 24656 STROUT, E. B. Plant for summer and fall flowers. Gard. Chron. Amer. 50: 99. Apr. 1946. 80 G1632
- 24657 SUTHERLAND, M. Where to find choice perennials. Canad. Hort. & Home Mag. Floral Ed. 69: 70. Mar. 1946. 80 C16F
- 24658 SWARTLEY, J. C. A swing around the hemlock circle. Amer. Nurseryman 83(7): 7-10. (To be cont.) Apr. 1, 1946. 80 Am371
- 24659 T., N. A choice of polyantha roses. Pop. Gard. 48: 29. Mar. 23, 1946. 80 G1622
- 24660 TADGELL, A. J. A hardy alien orchid [Epidendrum obrienianum]. Victorian Nat. 62: 167. Jan. 1946. 410 V66
- 24661 TEAS, E. Varieties of altheas. Horticulture 24: 52. Jan. 15, 1946. 80 H787
- 24662 TROTTER, A. Verbenas. Back to Eden 12(9): 9. Apr. 1946. 80 B12
- 24663 TEUSCHER, H. Times for planting, transplanting and dividing ornamental perennials. Canad. Hort. & Home Mag. Floral Ed. 69: 65-66. Mar. 1946. 80 C16F
- 24664 THATCHER, A. E. Interesting vervains; meet some members of the verbenas family. Gard. Chron. Amer. 50: 100-101. Apr. 1946. 80 G1632
- 24665 TIEMANN, O. R. Annuals for the garden. Back to Eden 12(9): 2. Apr. 1946. 80 B12
- 24666 TOMALIN, T. E. In the flower garden it is sowing time for hardy annuals. Pop. Gard. 48: 36-37. Mar. 30, 1946. 80 G1622
- 24667 TRAU, P. B. Gentiana sino-ornata. Arboretum B. 9(1): 30. Spring 1946. 451 Ar1
- 24668 TRUSCOTT, J. H. L. Floricultural research as presented at Canadian Horticultural Council. Canad. Florist 41: 91-93. Mar. 5, 1946. 80 C163
- 24669 VAN MELLE, P. J. Forethought saves new trees and shrubs. Home Gard. 6(5): 53-55. Nov. 1945. 80 H756
- 24670 W., T. J. Oxalis floribunda. Gard. Chron. 119: 99. Mar. 2, 1946. 80 G162
- 24671 WALENTA, MRS. M. J. There's "something" about a glad show. New England Gladiolus Soc. Gladiolus (1946) 21: 22-24. 96.43 N44
- 24672 WALKER, V. N. A prophet without honor [Asclepias tuberosa]. Horticulture 24: 47. Jan. 15, 1946. 80 H787
- 24673 WALLACE, R. W. English reminiscences [regarding iris]. Amer. Iris Soc. B., No. 100, p. 5-16. Jan. 1946. 81 Am39
- 24674 WEBER, N. M. Practical plans for little gardens. Home Gard. 7(4): 74-82. Apr. 1946. 80 H756
- 24675 WEBSTER, A. J. The rise of the hybrid polyantha rose. Canad. Hort. & Home Mag. Floral Ed. 69: 61-62. Mar. 1946. 80 C16F
- 24676 WEBSTER, G. A. The gladiolus. Rural New-Yorker 105:272-273. Apr. 6, 1946. 6 R88 Culture.
- 24677 WELLS, J. B. Border carnations: problems of fertilization. Gard. Chron. 119: 114-115. Mar. 9, 1946. 80 G162
- 24678 WESTON, T. A. Borderline bulbs that never sleep. Home Gard. 6(5): 41-44. Nov. 1945. 80 H756
- 24679 WESTON, T. A. Primroses in the East. Horticulture 24: 36. Jan. 15, 1946. 80 H787
- 24680 WHEELER, E. B., and WHEELER, W. H. The gladiolus show. New England Gladiolus Soc. Gladiolus (1946) 21: 113-118. 96.43 N44
- 24681 WHEELER, W. H. A "sport" begins. New England Gladiolus Soc. Gladiolus (1946) 21: 122-124. 96.43 N44
- 24682 WHERRY, E. T. Ten American polemoniums for the rock garden. Wild Flower 22: 5-7. Jan. 1946. 451 W642
- 24683 WHITEHEAD, S. B. Green walls of the garden. Field 187: 310. Mar. 16, 1946. 10 F45
- 24684 WICKS, A. J. Doronicums. Gard. Chron. 119: 123. Mar. 16, 1946. 80 G162
- 24685 WICKS, A. T. Snowdrops. Gard. Chron. 119: 111. Mar. 9, 1946. 80 G162
- 24686 WILDON, C. E. Maintaining soil fertility for gladiolus production. New England Gladiolus Soc. Gladiolus (1946) 21: 31-38. Ref. 96.43 N44
- 24687 WILSON, F. C. Sweet peas. Gard. Chron. Amer. 50: 97, 114. Apr. 1946. 80 G1632
- 24688 WILSON, H. VAN P. Fruits for indoor accent. Home Gard. 6(5): 15-18. Nov. 1945. 80 H756 Potted fruit trees for house plants.
- 24689 WINDMILLER, H. R. Production of hybrid snapdragons discussed by breeder. Florists' Rev. 98(2523): 51-52. Apr. 4, 1946. 80 W41
- 24690 WING, A. S. Annuals, gay and cooperative. Nature Mag. 39: 209-211, 219. Apr. 1946. 409.6 N214
- 24691 WOLFF, W. H. Consider the lilies. Farm J. 70(4): 69. Apr. 1946. 6 F2212
- 24692 WOOD, C. W. Plant notes here and there. Amer. Nurseryman 83(5): 40-44; (6): 18, 25-28; (7): 22-25. Mar. 1, 15, Apr. 1, 1946. 80 Am371
- 24693 WOOD, F. C. Trees and shrubs [Clethra alnifolia, Rhododendron orbiculare, and Coronilla Valentina]. Gard. Chron. 119: 100. Mar. 2, 1946. 80 G162
- 24694 WOODROFFE, F. B. Much bloom in little space. Better Homes & Gard. 24(8): 33. Apr. 1946. 80 F9424
- 24695 ZWART, MRS. L. S. Coleus-foilage plants. Back to Eden 12(9): 10. Apr. 1946. 80 B12

#### Vegetable and Truck Crops (Including Potatoes)

- 24696 AHRENDT, MRS. A. The currant tomato. Back to Eden 12(8): 3. Mar. 1946. 80 B12
- 24697 BAGGE, E. Forsøg med sorter og avlssteds-partier af cikoria 1943-1944. Tidsskr. for Planteavl 50(1): 126-137. Dec. 1945. 11 T439 Experiments to test imported chicory seed.
- 24698 BLACKWOOD, B. B. New varieties add interest to vegetable gardens. Farmer-Stockman 59: 71. Feb. 1946. 6 Ok45
- 24699 BLACKWOOD, B. B. Plant [vegetables] early and beat dry weather. Farmer-Stockman 59: 233. Apr. 1946. 6 Ok45
- 24700 BLACKWOOD, B. B. When peas sprout, spring is here. Farmer-Stockman 59: 99. Feb. 1946. 6 Ok45
- 24701 BRASHER, E. P. Does direct seeding of tomatoes in Delaware pay. Peninsula Hort. Soc. Trans. (1945) 59: 62-63. 1946. 81 P37
- 24702 BRITTINGHAM, W. H. Variety trials of bush lima beans. Tex. Agr. Expt. Sta. Prog. Rpt. 985, 3 p., processed. 1946. 100 T31P
- 24703 COMBS, O. B. Vegetable varieties for our 1946 gardens. Wis. Hort. 36: 180-181. Mar. 1946. 80 W752
- 24704 COPLEY, G. H. Onions can be a good market crop. Smallholder 74(1879): 6. Mar. 22, 1946. 10 Sml



- 24705 COFLEY, G. H. Weeks-earlier crops with the aid of greenhouse, frame and cloche. Smallholder 74(1877): 12-13. Mar. 8, 1946. 10 Sml
- 24706 CRAGGS, R. S. Notes on growing better squash. Family Herald and Weekly Star 77(5): 6. Jan. 30, 1946. 7 F21
- 24707 CUMMINGS, M. B. Muskmelons to eat and to sell. New England Homestead 119(6): 21. Mar. 23, 1946. 6 N442
- 24708 DOLLOFF, R. C. County agent works with the potato farmers; extension work influences "spud" production methods in Aroostook County, Maine. Better Farming Methods 18(4): 18, 21. Apr. 1946. 58.8 B46
- 24709 F. Do grow plenty of salads. Pop. Gard. 48: 34. Mar. 30, 1946. 80 G1622
- 24710 F., O. Give gourds a trial [as vegetables]. Pop. Gard. 48: 27. Mar. 23, 1946. 80 G1622
- 24711 FELTER, V. New gardeners like old varieties [of vegetables]. Wallaces' Farmer 71: 354. Apr. 6, 1946. 6 W15
- 24712 FERGUSON, B. R. Making the best potato better. San Luis Val. Farmer and Stockman 1(4): 8. Jan. 1946. 6 Sa52
- Growing and marketing of the Red McClure variety.
- 24713 FERGUSON, B. R. San Luis Valley is mecca of high altitude vegetables. San Luis Val. Farmer and Stockman 1(4): 14. Jan. 1946. 6 Sa52
- 24714 FERGUSON, B. R. Valley is ideal for seed potato production. San Luis Val. Farmer and Stockman 1(4): 23. Jan. 1946. 6 Sa52
- 24715 FERGUSON, E. S. Plant the new, too. Successful Farming 44(4): 110-111, 119. Apr. 1946. 6 S12
- New vegetables varieties.
- 24716 FLEGG, O. D. Some unusual vegetables. Veg. Messenger and Health Rev. (ser. 8) 43: 39-40. Feb. 1946. 389.8 V522
- Brief directions for cultivation.
- 24717 FOREST, B. Essais sur plantes maraichères. B. des Agr. 42(3): 23. Mar. 1946. 7 B872
- Varieties to plant.
- 24718 G. L. F. EXCHANGE. G. L. F. garden guide, Spring 1946, 15 p. Ithaca, 1946. 280.28 G763
- Vegetable planting, varieties, and pest control.
- 24719 GUERIN, B. C. DE. Guernsey's 50 years; jubilee of the tomato. Fruit-Grower 101: 276. Mar. 21, 1946. 80 F941
- 24720 GUERIN, B. C. DE. "No competition" is keynote of Channel Islands tomato production plans. Smallholder 74(1876): 12-13. Mar. 1, 1946. 10 Sml
- 24721 HARDY, J. Feed your spring cabbage. Poultry Farmer [London] 114(2959): 4. Mar. 8, 1946. 47.8 F312
- 24722 HARDY, J. Make rhubarb pay. Poultry Farmer [London] 114(2958): 4. Mar. 1, 1946. 47.8 F312
- 24723 HAY, T. Don't be too sparing with the [vegetable] seed. Smallholder 74(1879): 13. Mar. 22, 1946. 10 Sml
- 24724 HEPLER, J. R. Growing cabbage. New England Homestead 119(6): 20. Mar. 23, 1946. 6 N442
- 24725 HEPLER, J. R. Newer varieties [of vegetables]. New England Homestead 119(6): 16. Mar. 23, 1946. 6 N442
- 24726 HOGG, A. G. Mushrooms for market. Smallholder 74(1876): 13; (1877): 13. Mar. 1, 1946. 10 Sml
- 24727 HOWLETT, F. S. Fruit setting chemicals in greenhouse tomato production. Market Growers J. 75(4): 9, 43, 47-48. Apr. 1946. 6 M34
- 24728 IONOV, I. Fasol' -- vysokourozhainaia kul'tura. Sel'so (Ser. Kolkhoz. Zeml.) 14(65): 1-2. 1945. 20 Se475
- Bean culture.
- 24729 KITTINGER, C. E. How to raise big gardens on small grounds. Mont. Farmer 33(14): 9. Mar. 15, 1946. 6 M764
- 24730 LEMOILLE. Conseils pratiques pour le jardin familial. Soc. d'Hort. et d'Acclim. du Maroc. B. 32: 49-55. 3d quart., 1945. 87 Sol
- 24731 M., E. For exhibition leaks prepare the trenches now. Pop. Gard. 48: 27. Mar. 23, 1946. 80 G1622
- 24732 MCGEE, W. F. Bed planting potatoes. San Luis Val. Farmer and Stockman 1(2): 8. Nov. 1945. 6 Sa52
- 24733 MAGRUDER, R. Bureau of Plant Industry research in vegetable seed. Seed Trade News 46(10): 10-11. Mar. 6, 1946. 61.8 Se3
- 24734 MAGRUDER, R. New vegetable varieties for the future as a result of an intensive breeding program. Peninsula Hort. Soc. Trans. (1945) 59: 49-54. 1946. 81 P37
- 24735 MAGRUDER, R. Vegetable seed research activities. Seed World 59(6): 18, 20. Mar. 15, 1946. 61.8 Se52
- 24736 MARTIN, R. Arkansas valley spinach booms to major crop. Farmer-Stockman 59: 198. Apr. 1946. 6 Ok45
- 24737 MEYER, H. Vegetable growing. Organic Gard. 8(5): 53-55. Apr. 1946. 56.8 Or3
- 24738 MORTENSEN, E. Cantaloupe development in south Texas. Tex. Farming and Citric. 22(9): 18-19. Mar. 1946. 80 T31
- 24739 NEAL, J. H. Get more from the garden by irrigating. Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 24. Apr. 1946. 6 So81
- 24740 NIELSEN, H. Landbokskkbenhavn og den herskende mangel paa arbejdskraft. Haven 46(1): 5-6. Jan. 1946. 80 H29
- Vegetable gardening in Denmark.
- 24741 NISSLEY, C. H. Standardize row distances [for vegetables]. N. J. State Hort. Soc. Hort. News 27: 1804, 1805. Feb. 1946. 81 N46
- 24742 NORMAN, C. Why I favour bush tomatoes. Smallholder 74(1879): 4. Mar. 22, 1946. 10 Sml
- 24743 PAVLOVA, P. I. Gruntovye tomaty ["Gruntovye" tomatoes]. Sel'so (Ser. Kolkhoz. Zeml.) 14(69/70): 1-3. 1945. 20 Se475
- 24744 PICKETT, B. S. Potato varieties of Valley interest. Tex. Farming and Citric. 22(9): 7. Mar. 1946. 80 T31
- 24745 POLLARD, L. H. Onion investigation at the Utah station. Farm & Home Sci. [Utah Sta.] 7(1): 8-9. Mar. 1946. 100 Utlf
- 24746 PURDY, C. My vegetable garden. Flower Grower 33: 238-239. Apr. 1946. 80 M72
- 24747 R., C. W. Novelities in vegetables. Pop. Gard. 48: 27. Mar. 23, 1946. 80 G1622
- 24748 RAHN, E. M. A comparison of ten yellow sweet corn hybrids for canning. Peninsula Hort. Soc. Trans. (1945) 59: 64-66. 1946. 81 P37
- 24749 RAHN, E. M. The effect of depth of seeding on yields of cantaloupes. Peninsula Hort. Soc. Trans. (1945) 59: 63-64. 1946. 81 P37
- 24750 REED, J. M. Hydroponic gardens grow food on volcanic isle. Canad. Florist 41: 93-94. Mar. 5, 1946. 80 G163
- 24751 REICHSTEIN, F. Plant tomatoes now. Better Homes & Gard. 24(8): 98, 114. Apr. 1946. 80 F9424
- 24752 REID, C. Britain improves her spuds. Family Herald and Weekly Star 77(6): 3. Feb. 6, 1946. 7 F21
- Disease control and improved varieties.
- 24753 REUTSKIY, F. Voprosy agrotekhniki mta [Culture of the chick-pea]. Sotsialist. Sel'sk. Khoz. 16(9): 50-52. Sept. 1945. 281.8 So73
- 24754 ROBB, O. J. Rhubarb that really stays red. Home Gard. 7(4): 91, 93. Apr. 1946. 80 H756



- 24755 ROBINSON, R. A. Early French beans for market; cloches or Dutch lights will be required for the crop. *Smallholder* 74(1879): 12. Mar. 22, 1946. 10 Sml
- 24756 ROBINSON, R. A. Greenhouse tomatoes. *Smallholder* 74(1877): 6. Mar. 8, 1946. 10 Sml
- 24757 ROBINSON, R. A. Sturdy tomato plants. *Smallholder* 74(1876): 7. Mar. 1, 1946. 10 Sml
- 24758 ROCKWELL, F. F. Beans. *Home Gard.* 7(4): 36-39. Apr. 1946. 80 H756
- 24759 ROCKWELL, F. F. Witloof and rhubarb; two good cellar crops. *Home Gard.* 6(5): 45-47. Nov. 1945. 80 H756
- 24760 SCHERMERHORN, L. G. New bean varieties for 1941. *N. J. State Hort. Soc. Hort. News* 27: 1805-1806. Feb. 1946. 81 M46
- 24761 SHCHICHENKOV, V. Sev morkovi pod zimn po torfianym udobreniam [Pre-winter sowing of carrots on soils fertilized with peat]. *Sel'so* (Ser. Kolkhoz. Zeml.) 14(140/141): 3-4. 1945. 20 Se475
- 24762 SHORROCK, R. W. Dried peas. *Gt. Brit. Min. Agr. Agriculture* 52: 530-534. Mar. 1946. 10 G79J
- 24763 SINGLETON, W. R. Sweet corn succession. *House & Gard. [Greenwich]* 89(4): 115-116. Apr. 1946. 80 H81
- 24764 SOWING tomatoes. By Onward. *Flower, & Veg. Trades' J.* 88: 319. Dec. 29, 1945. 80 F946
- 24765 STAPLES, W. O. Four months of celery. *Home Gard.* 7(4): 24-25. Apr. 1946. 80 H756
- 24766 TRIFONOVA, V. Kak my vyrastili i ubrali 6100 pudov kapusty s gektara [How we grew and harvested 6100 poods of cabbage per hectare]. *Sel'so* (Ser. Kolkhoz. Zeml.) 14(136/137): 1-3. 1945. 20 Se475
- 24767 WITHROW, W. A. Muskmelons at Walberta Farm. *Rural New-Yorker* 105: 288. Apr. 6, 1946. 6 R38
- 24768 WRIGHT, P. H. The rhubarb plant and its adaptations. *Canad. Hort. & Home Mag. Floral Ed.* 69: 47-48. Mar. 1946. 80 C16F
- 24769 ZVEREVA, P. Novye metody sozdaniia morozoustoiichivyykh form kartofel'ia (New methods of breeding frost resistant potatoes). *Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok.* 10(4/5): 31-33. 1945. 20 AK1
- WEEDS AND POISONOUS PLANTS
- 24770 ALVIM-CARNEIRO, P. DE T. Plantas venenosas e sua ocorrência em Minas Gerais. *Rev. Ceres* 6: 221-256. July/Aug. 1945. Ref. 9.2 C332
- 24771 BARRONS, K. C. New horizons in chemical weed control. *Mich. State Hort. Soc. Ann. Rpt.* (1945) 75: 113-115. 1946. 81 M58
- Discussion, p. 115-118.
- 24772 DE LONG, G. E. Weed increase--major menace to crops. *Canad. Grain J.* 1(8): 12. Mar. 1946. 59.8 C16
- 24773 DUDLEY, E. 2,4-D for noxious weed control. *Calif. Citrog.* 31: 238-240. Apr. 1946. 80 C125
- 24774 FARNHAM, M. E., and HALLOWELL, C. K. Weed control experiments. *Greenkeepers' Rptr.* 14(1): 5-6. Jan./Feb. 1946. 60.18 G83
- 24775 FLETCHER, H. L. V. Weeds and the herbalist. *Field* 187: 50. Jan. 12, 1946. 10 F45
- 24776 GRIGSBY, B. H. Oil sprays for the control of weeds in carrots and related crops. *Mich. Agr. Expt. Sta. Q. B.* 28: 201-207. Feb. 1946. 100 M58S
- 24777 GRIGSBY, B. H. A proposed spray program for the control of ragweed pollen production. *Mich. Pub. Health* 34: 75-76. Apr. 1946. 449.7 M58M
- 24778 HAGEN, C. 2,4-D is useful but no miracle. *Wash. Farmer* 71, 1. e. 81: 126, 147. Mar. 7, 1946. 6 R151
- 24779 JACKLIN, C. T. M. Selective weed killer. *Saskatchewan Farmer* 37(6): 6. Mar. 15, 1946. 7 Sa74
- 2,4-D.
- 24780 KEPHART, L. W. New methods of weed control in canning crops. *Canning Trade* 68(36): 7-8. 22. Apr. 1, 1946. 286.83 T67
- 24781 L., A. D. Vecchi e nuovi erbicidi. *Difesa delle Pianta* 1(2): 8-9. Aug. 1945. 464.8 D56
- 24782 LACHMAN, W. H. Ammate for Polygonum. *Horticulture* 24: 53. Jan. 15, 1946. 80 H787
- 24783 LANTZ, H. L. Iowa reports on summer tests of 2,4-D. *Golfdom* 20(1): 33, 36, 38, 40. Jan. 1946. 60.18 G58
- 24784 LIEBENBERG, C. The struggle against weed encroachment [in the veld]. *Farmer [Pietermaritzburg]* 35(1): 6. Jan. 4, 1946. 24 F227
- 24785 MOLFINO, J. F. Plantas de la flora argentina toxicas para el ganado. *Chacra* 16(184): 88-89, 97. Feb. 1946. 9 C34
- 24786 S., K. L. 'Ware these flowers for they spread very quickly. *Pop. Gard.* 48: 30. Mar. 23, 1946. 80 G1622
- 24787 SEELY, C. I. A preliminary report on the possible use of 2, 4-dichlorophenoxyacetic acid for the control of wild morning glory in orchards. *Wash. State Hort. Assoc. Proc.* (1945) 41: 21, 23-24. 1946. 81 W273
- Discussion, p. 24-25.
- 24788 THORNTON, B. 2,4-D kills weeds. *Colo. Farm B. [Colo. Sta.]* 8(1): 3-5. Jan./Feb. 1946. 100 C71S
- MISCELLANEOUS ECONOMIC PLANTS  
(Drug, Dye, Rubber, Etc.)
- 24789 CHOussy, F. Orientaciones para las investigaciones sobre el valor practico del injerto en cafeicultura. *Café de El Salvador* 16(177): 24-48. Jan. 1946. 68.28 C122
- 24790 DESCARTES, V. Un agricultor de Moravia triunfa en el cultivo de vainilla. *Rev. del Café, Jan./Feb.* 1946, p. 11. 8 R3295
- 24791 FERRY, R. H. Little-known uses for stinging nettles. *Smallholder* 74(1876): 12, 13. Mar. 1, 1946. 10 Sml
- Dyes, food, and medicine.
- 24792 FURMAN, L. Posadka kok-sagzya buketnoi rassadoi. *Sel'so* (Ser. Kolkhoz. Zeml.) 14(152/153): 1-4. 1945. 20 Se475
- Kok-saghyz culture.
- 24793 GARDNER, E. J. Wind pollination in guayule, *Parthenium argentatum* Gray. *Amer. Soc. Agron. J.* 38: 264-272. Mar. 1946. 4 Am34P
- 24794 GREENWAY, P. J. Empire production of drugs. IV. *Strophanthinum*. *East African Agr. J.* 11: 184-185. Jan. 1946. 24 Ea74
- Strophanthus* in Africa.
- 24795 J., L. La nueva planta cauchifera kok-saghis. *Montes* 1: 332-342. Sept./Oct. 1945. 99.8 M763
- 24796 KING, E. J. Winter bee flora. *Bee Craft* 28: 11. Feb. 1946. 424.8 B3925
- 24797 KOLESNIK, I. D. Uluchshit' kachestvo semian kok-sagzya [Improvement of the quality of kok-saghyz seeds]. *Sel'so* (Ser. Kolkhoz. Zeml.) 14(126/128): 1-3. 1945. 20 Se475
- 24798 KRUG, C. A. Melhoramento do cafeeiro. *São Paulo. Supt. dos Serv. do Café. B.* 20: 863-872. (To be cont.) Aug. 1945. 68.29 Sa63
- 24799 KRUG, C. A., and ANTUNES, C. S. N. A quinsira, possivel cultura intercalar do cafeeiro. *São Paulo. Supt. dos Serv. do Café. B.* 20: 856-860. Aug. 1945. 68.29 Sa63



24800 MEJÍA FRANCO, R. El cultivo de la yuca, y su explotación industrial; parte I. - Importancia del cultivo, orígenes y descripción botánica de la planta. Agr. Trop. 2(1): 9-13. Feb. 1946. 26 Ag8

24801 MÍASNIKOVA. Kak poluchit' vysokii i ustoi-chivyi urozhai kok-sagya. Sel'so (Ser. Kolkhoz. Zeml.) 14(145): 1-2. 1945. 20 Se475  
Effects of mechanized culture on yields.

24802 OPSAHL, J. M. The friendly gourd family. Amer. Childhood 31(8): 59. Apr. 1946. 320.8 Am3

24803 PARMUZINA, A. A. Kak poluchit' bol'shie urozhai kok-sagya. Sel'so (Ser. Kolkhoz. Zeml.) 14(75/76): 1-4. 1945. 20 Se475  
Kok-saghyz culture.

24804 FELLETT, F. C. Trees for bees. Amer. Bee J. 86: 145-146. Apr. 1946. 424.8 Am3

24805 PFELFFER, E. The case of the hop. Or-ganic Gard. 8(5): 25-26. Apr. 1946. 56.8 Or3

24806 ROIG MESA, J. T. Plantas medicinales aro-máticas o venenosas de Cuba; albahaca. Rincón Cam-pesino 6(61/62): 37. Dec. 1945/Jan. 1946. 8 R47  
Ocimum basilicum.

24807 TAYLOR, W. L. Weeding and cleaning. Forestry 19: 27-32. 1945. 99.8 F767

24808 VANSELL, G. H. Some bee plants of Utah. Farm & Home Sci. [Utah Sta.] 7(1): 6-7. Mar. 1946. 100 UtlF

24809 WEBSTER, C. C. Improved planting material of the tung tree: a progress report. East African Agr. J. 11: 165-169. Jan. 1946. 24 Ea74

24810 Z., M. L. La palma y sus productos de exportación. Montes 1: 343. Sept./Oct. 1945. 99.8 M763  
By-products from palms in Spain.

## SOILS AND FERTILIZERS

### SOIL SCIENCE

24811 FERGUSON, B. R. What do we know about soils? Some reasons why we need a soil laboratory in the San Luis Valley. San Luis Val. Farmer and Stock-man 1(3): 8, 9. Dec. 1945. 6 Sa52

24812 PORTSMOUTH, LORD. Soil--the cement of Em-pire. Roy. Empire Soc., United Empire 37: 19-21. Jan./Feb. 1946. 501 LB44U  
Discussion, p. 21-23.

### Soil Physics

24813 ASGHAR, A. G., and DHAWAN, C. L. Percola-tion of water through soils. Punjab Irrig. Res. Inst. Res. P., v. 4, No. 13, 8 p. Lahore, 1945. 55.9 P96R

24814 Clarke, G. R. Mechanical analysis and the texture of the soil in the field. Soils and Fert. 8: 195-196. 1945. 241 Im7SF

24815 HUNTER, A. S., and KELLEY, O. J. Changes in construction of soil moisture tensiometers for field use. Soil Sci. 61: 215-217. Mar. 1946. 56.8 So3

24816 NYSTRÖM, E. Om orsakerna till de odlade torvmarkernas shttning och "bortodling." Svenska Vall- och Mosskulturfr. Kvrtlskr. 7(1): 42-55. Mar. 1945. 11 Sv27  
Settling of cultivated bog lands.

24817 PETERSON, J. B. The rôle of clay minerals in the formation of soil structure. Soil Sci. 61: 247-256. Mar. 1946. Ref. 56.8 So3

24818 ROSEAU, H., and BATS, J. DE. Etude com-parative de différentes méthodes d'analyse physique de terres calcaires. Algeria. Inst. Agr. Ann. 2: 13-27. Nov. 1945. Ref. 108 AL35

24819 SINIAKOVA, S. I. On the distribution of lead in soils. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 648-650. 1945. 511 P444

24820 WADLEIGH, C. H. The integrated soil mois-ture stress upon a root system in a large container of saline soil. Soil Sci. 61: 225-238. Mar. 1946. Ref. 56.8 So3

### Soil Chemistry and Mineralogy

24821 ALBRECHT, W. A. Plant nutrition and the hydrogen ion: V. Relative effectiveness of coarsely ground and finely pulverized limestone. Soil Sci. 61: 265-271. Mar. 1946. 56.8 So3

24822 BONDORFF, K. A. Om humusbestemmelse i jord. Tidsskr. for Planteavl 50(1): 138-149. Dec. 1945. 11 T439

English summary.

Experiments on the determination of humus in Danish soils.

24823 DAMSGAARD-SØRENSEN, P. Jordbundsunder-søgelse og gødskningsvejledning. Tidsskr. for Landøkonomi, No. 2, p. 141-162. Mar. 1946. 11 T43  
Soil analysis and fertilization in Denmark.

24824 IVERSEN, K. Udvaskning af fosforsyre og kali. Tidsskr. for Planteavl 50(1): 106-125. Dec. 1945. 11 T439

Leaching of phosphoric acid and potash.

24825 HEITEMETER, R. F. Effect of moisture con-tent on the dissolved and exchangeable ions of soils of arid regions. Soil Sci. 61: 195-214. Mar. 1946. Ref. 56.8 So3

24826 SHUGAR, A. O spektral'nom opredelenii ka-lifa v pochvakh [Spectral analysis of potassium in soils]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Trud., No. 30, p. 229-233. 1945. Ref. 106 M852T

24827 ZONN, S. V. Chemical composition of ground waters as dependent on soil formation. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 197-199. 1945. 511 P444  
Solonetz soils.

### Soil Biology

24828 DIKUSAR, M. M. O prichinakh medlennogo raspada gumusa v pochve [Reasons for the slow decom-position of humus in the soil]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Trud., No. 30, p. 75-94. 1945. Ref. 106 M852T

24829 FEDOROV, M. V. Intensity of fixation of atmospheric nitrogen by azotobacter on different sources of carbon. Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.) 48: 575-578. 1945. 511 P444

24830 FEDOROV, M. V. Vliianie azotobaktera i kluben'kovykh bakterii na azotnyi balans pochvy i urozhai s.-kh. rastenii pri vnesenii v pochvu solomy i posledovatel'noi kul'ture bobovykh rastenii i zlakov [The effect of azotobacter and nodule bacteria on the nitrogen balance in the soil and on the yields of agricultural plants during the introduction of straw into the soil and the subsequent culture of legumes and cereals]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Trud., No. 30, p. 57-74. 1945. Ref. 106 M852T

24831 FEDOROV, M. V. Vliianie organicheskikh veshchestv na obrazovanie kluben'kov u gorokha v usloviakh monobakterial'noi vodnoi kul'tury [Effect of organic substances on the nodule formation in peas under conditions of a monobacterial water cul-ture]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriāzeva. Trud., No. 30, p. 43-56. 1945. Ref. 106 M852T



24832 GUKOVA, M. M. Vlivanie temperature pochvy na fiksatsiyu azota klubeni'kovymi bakteriyami [Effect of soil temperature on the nitrogen fixation by nodule bacteria]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirязeva. Trud., No. 30, p. 33-42. 1945. Ref. 106 M852T

24833 BOKKZEMA, J. P. Remember, organic matter is life of the soil. Farmers Guide 102(7): 12. Apr. 1, 1946. 6 In2

24834 HOLLAND, H. Nature's mighty plowman [earthworms]. Frontiers 10: 99-101. Apr. 1946. 410 P2

24835 SNYDER, G. H. "There's life in that soil." Weekly Market News and Mod. Farmer 24(9): 6. Feb. 28, 1946. 286.81 G762A  
Soil bacteria.

24836 THOM, C. Action of soil bacteria on wood products. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 428, 10 p., processed. Columbus, Ohio, 1946. 381 N213P

#### Soil-Plant Relationships and Soil Requirements

24837 GREAVES, J. E., and PITTMAN, D. W. Influence of fertilizers on the yield and composition of certain crops and on the soil. Soil Sci. 61: 239-246. Mar. 1946. 56.8 So3

24838 HARRIS, G. H. Malnutrition and the trace elements. Milling and Feed 27(3): 14-16, 18. Mar. 1946. 298.8 C162

Trace elements in plants and their effect on human and animal health.

24839 KELSALL, A. Some factors in the nutritional requirements of Nova Scotia orchards. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 19-27. 82 N85

24840 LOFTIN, L. L. Poor soils - poor people. Tex. Farming and Citric. 22(9): 22. Mar. 1946. 80 T31

24841 SANDERSON, C. J. Feeding and health of livestock; effect of lowered soil fertility. Land [Sydney], No. 1780, p. 9. (To be cont.) Jan. 4, 1946. 23 L22

24842 SIMS, G. T. Value of food dependent on soil. Soil management is aid to better nutrition. Fla. Grower 54(2): 14-15. Feb. 1946. 80 F6622

24843 SMITH, G. Deficiencies of certain plant foods in some Annapolis Valley soils which may limit the quality and quantity of crops produced. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 87-89, 91, 93, 95, 97. 82 N85

#### Soil Genesis, Formation, Classification, and Mapping

24844 IARKOV, S. P. Skhema klassifikatsii pochvy poim [Classification system of soils of flood plains]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timirязeva. Trud., No. 30, p. 95-107. 1945. Ref. 106 M852T

#### SOIL MANAGEMENT

24845 BAILEY, R. Y. The narrow-leaf Bahia grasses. Soil Conserv. 11: 227-230. Apr. 1946. 1.6 So3S

As a cover crop on upland soils.

24846 BAKER, C. E. Soil management; it's influence on apple tree roots. Fruit Grower 8(11): 12, 25, 33. Jan. 1946. 80 Ea73

24847 BEAUMONT, A. B. Fertilizer and soil conservation. Amer. Fert. 104(6): 11, 24, 26. Mar. 23, 1946. 57.8 Am3

24848 BILL, R. H. Pete doctors his farm where the soil hurts worst. Successful Farming 44(4): 24-25, 55-56. Apr. 1946. 6 Sul2

24849 BUTLER, E. Has your county caught winter-legume "fever"? Prog. Farmer, Tex. Ed. 61(4): 14, 80. Apr. 1946. 6 T311

24850 ETHERIDGE, W. C. Poor land has a future. Mo. Conserv. 7(3): 12-13. Mar. 1946. 279.8 M69  
Soil restoration and management.  
Also in Mo. Farmer 38(3): 1, 9. Mar. 15, 1946. 6 M696

24851 LATIMER, M. R. A "city feller's" view on land leveling. San Luis Val. Farmer and Stockman 1(5): 5. Feb. 1946. 6 Sa52

24852 RICHARDSON, T. C. All out for better soil. Farmer-Stockman 59: 201. Apr. 1946. 6 Ok45

24853 SPURLOCK, J. E. Turn cover crops now; save moisture. Almond Facts 10(2): 8. Mar./Apr. 1946. 280.28 AL62  
Cover crops in orchards.

24854 STAROCHER, G. C. It is possible to have new ground forever. Polled Hereford Mag. 3(7): 16-17, 26-27. Mar. 1946. 49 P69

24855 SURFACE, V. A. Improving Utah's range lands. Soil Conserv. 11: 237-239. Apr. 1946. 1.6 So3S

24856 TABOR, P. Lespedeza centennial. Soil Conserv. 11: 235. Apr. 1946. 1.6 So3S  
Lespedeza as a soil builder.

#### Soil Fertility

24857 ALBRECHT, W. A. The French don't dare wear out their farms. Kans. Farmer 83(6): 5, 25. Mar. 16, 1946. 6 K13

Conservation of soil fertility.

24858 ALMADA SAPRIZA, E. En defensa de los naranjales; restauremos el suelo de la patria aportando: humus, nitrogeno, calcio, magnesio y catalizadores. Paraguay. Min. de Agr. Rev. de Agr. y Ganad. No. 14, p. 49-56. (To be cont.) Oct. 1945. 9.7 Ag8Re

24859 ARCHIBALD, E. S. Heavy use of fertilizer advocated for pasture. Farm and Ranch Rev. 42(2): 22. Feb. 1946. 7 F223

24860 ARENA, A. La bonificación agronómica de los suelos. Cons. Interamer. de Com. y Prod. Cuest. Agr. No. 4, 34 p. Montevideo, 1946. 281.9 C7662  
Soil improvement methods.

24861 ARNOLD, C. Y. New soil tests for vegetable crops in Illinois. Market Growers J. 75(4): 17, 36, 42, 50-51. Apr. 1946. 6 M34

24862 BASU, J. K., and KIBE, M. M. The fertility of a typical black cotton soil as related to its different phosphorus fractions, after ten years of manuring. Bombay U. J., Sect. A, Phys. Sci. (n. s.) 14(3): 29-34. Nov. 1945. 513 B633

24863 BAVER, L. D. Do nitrogen fertilizers pay on pastures? Prog. Farmer, Car.-Va. Ed. 61(4): 15, 18. Apr. 1946. 6 P945

24864 BEAR, F. E. More evidence that sodium nitrate is a plant food. Victory Farm Forum, No. 22, p. 4. Mar. 1946. 281.8 F226

24865 BRAZELTON, J. S. Soil account is overdrawn. Kans. Farmer 83(6): 27. Mar. 16, 1946. 6 K13

Soil depletion.

24866 BRIERA SOFFIA, R. El salitre como factor de producción de las arboledas frutales. Agrario 10(373): 6. Jan. 15, 1946. 9.3 Ag85

24867 BUTLER, E. The soil--and cotton's toll. Prog. Farmer, Tex. Ed. 61(4): 5. Apr. 1946. 6 T311

24868 CHIZHOV, B., and GOLUBEV, V. Gnezdo vnesenie udobreniy pri posadke kartofel'ia. Sel'so (Ser. Kolkhoz. Zeml.) 14(77/78): 3-4. 1945. 20 Se475

Experiments in fertilizer application during potato planting conducted at Nauchno-Issledovatel'skii Institut Zernovogo Khoziaistva IUGO-Vostoka SSSR.



- 24869 COLEMAN, R. Certain Mississippi soils are deficient in boron. Victory Farm Forum, No. 22, p. 13-14. Mar. 1946. 281.8 F226
- 24870 COOK, R. L. Manganese sulfate and borax for sugar beets. Sugar Beet J., Mar. 1946, p. 197-198. 66.8 Su38
- 24871 CRAVEN, W. H. Pasture plants require fertilization. Victory Farm Forum, No. 22, p. 15. Mar. 1946. 281.8 F226
- 24872 DECOUX, L., and SIMON, M. Un essai de restitution d'une dose élevée de potasse à la betterave sucrière. Inst. Belge pour l'Amélior. de la Betterave. P. 13: 101-111. May/June 1945. 66.9 In7 English summary.
- 24873 DEMIDENKO, T. T. Effect of granulated superphosphate upon yield when introduced with seeds. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 207-209. 1945. 511 P444
- 24874 ESPINOZA T., R. La deficiencia de la materia orgánica en los suelos; su influencia sobre los cultivos y medios de contrarrestarlas. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 19-21. Dec. 1945. 8 F3291
- 24875 GODBOUT, E. La fumure des choux de Siam. B. des Agr. 42(3): 24. Mar. 1946. 7 B872
- 24876 HARPER, H. J. Nitrogen has its problems in Mid-southwest. Victory Farm Forum, No. 22, p. 14-15. Mar. 1946. 281.8 F226  
As applied to various crops.
- 24877 HEGNAUER, L. Fertilizer needed to keep farm in productive state. Northwest Farm News 29(12): 2. Mar. 21, 1946. 275.293 N81  
Third in a series.
- 24878 HOPKINS, D. P. Chemicals, humus and the soil. Fert., Feed. Stuffs and Farm Supplies J. 32: 137-139, 141. Feb. 27, 1946. 57.8 F413  
Reply to Lady Eve Balfour's comments on "The living soil."
- 24879 HUNT, R. For better tobacco at lower cost, fertilize. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(4): 18, 65. Apr. 1946. 6 P945K
- 24880 HUTCHESON, T. B. Fertilizer requirements of Virginia soils. Victory Farm Forum, No. 22, p. 13. Mar. 1946. 281.8 F226
- 24881 IBACH, D. B. Fertilizer: desirable patterns of use. U. S. Bur. Agr. Econ. Agr. Situation 30(3): 15-18. Mar. 1946. 1 Ec7Ag
- 24882 JOHANSEN, J. D. Alimento sus hortalizas y obtendrá cosechas remuneradoras. Agrario 10(374): 13. Jan. 31, 1946. 9.3 Ag85
- 24883 KIMBROUGH, W. D. Tests now being made on orange tree fertilization. Victory Farm Forum, No. 22, p. 5. Mar. 1946. 281.8 F226
- 24884 MCDONALD, R. C. Do apple trees really get hungry? Victory Farm Forum, No. 22, p. 10-11. Mar. 1946. 281.8 F226  
Nitrogen fertilizers for apples.
- 24885 MATTHEWS, E. M. Top-dress small grains liberally and early. Victory Farm Forum, No. 22, p. 12. Mar. 1946. 281.8 F226  
With nitrate of soda.
- 24886 MEDINA, G. Valor fertilizante de la materia orgánica en los suelos. Agrario 10(372): 9. Dec. 31, 1945. 9.3 Ag85
- 24887 PANEL discussion on soils and fertilizers. Peninsula Hort. Soc. Trans. (1945) 59: 41-49. 1945. 81 P37  
C. H. Mahoney, leader.
- 24888 PARKER, E. R. Restoring citrus grove soils with organic matter. Tex. Farming and Citric. 22(9): 10-11. Mar. 1946. 80 T31
- 24889 PITNER, J. B. 17-year experiment shows Delta [Branch Station] oats need nitrogen. Victory Farm Forum, No. 22, p. 4-5. Mar. 1946. 281.8 F226
- 24890 RAY, J. Soil fertility. Fert., Feed. Stuffs and Farm Supplies J. 32: 169-171, 173. Mar. 13, 1946. 57.8 F413
- 24891 REICHART, M. A. L. Algunas formas de acrecentar la productividad de los suelos. Bolsa de Com., Rosario. Rev. 33(811): 17-20. Oct. 31, 1945. 287 R71
- 24892 SAYRE, C. B. Nitrogen improves the quality and increases the yields of peas. Canning Trade 68(35): 7, 22. Mar. 25, 1946. 286.83 T67  
Appears also, with slightly different title, in Food Packer 27(5): 68, 70-71. Apr. 1946. 286.83 C165
- 24893 SCARSETH, G. D. Slow fires in the soil. Nation's Agr., Kans. Ed. 21(3): 12D. Mar. 1946. 280.82 B89A  
Organic matter in soils.
- 24894 SHEWELL-COOPER, W. E. Effectiveness of liquid manuring. Field 187: 333. Mar. 23, 1946. 10 F45
- 24895 SHORROCK, R. W. Manuring for peas. N. F. U. Rec. 24: 125. Mar. 1946. 281.8 N21
- 24896 STEWART, P. H., and ROBINSON, J. C. Soil fertility considerations are many; irrigation farmer can "tailor make" moisture conditions to fit fertility situation. Irrig. Farmer 3(10): 3, 6, 12, 14. Feb. 7, 1946. 58.8 Ir78
- 24897 TEGMEIER, A. Acid soil bed on north side of house. Back to Eden 12(8): 5. Mar. 1946. 80 B12
- 24898 TIEDJENS, V. A. More vegetables for less money. Peninsula Hort. Soc. Trans. (1945) 59: 54-61. 1946. 81 P37  
Fertilizer practice.
- 24899 VANDECAVEYE, S. C. What is a productive soil. Wash. State Hort. Assoc. Proc. (1945) 41: 11-15. 1946. 81 W273  
Discussion, p. 15-16.
- 24900 VOLK, N. J. Methods of applying fertilizers. Hoard's Dairyman 91: 241, 259. Mar. 25, 1946. 44.8 H65
- 24901 WESTBROOK, E. C. Know your tobacco fertilizer. South. Agr. 76(4): 23. Apr. 1946. 6 So83
- 24902 WHITLOW, S. Phosphate on pastures. Prog. Farmer, Tex. Ed. 61(4): 23. Apr. 1946. 6 T311
- 24903 WILLIS, W. H., and STURGIS, M. B. Placing nitrogen deeper more effective on rice. Victory Farm Forum, No. 22, p. 7. Mar. 1946. 281.8 F226

#### Soil Tilth and Tillage

- 24904 BANDEIRA, A. Preparación del suelo. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 46. Feb. 7, 1946. 9.9 G15B
- 24905 CURIEL, V. Ventajas de la preparación temprana de la tierra. Paraguay. Min. de Agr. Rev. de Agr. y Ganad. No. 14, p. 62-64. Oct. 1945. 9.7 Ag8Re
- 24906 GOURLEY, J. H. Some effects of [apple] orchard culture upon the soil and tree. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 61, 63-68. 82 N85  
Discussion, p. 69-70.
- 24907 MOORE, P. Grass roots views on non-cultivation. Calif. Citrog. 31: 200, 218. Apr. 1946. 80 C125  
Tillage.
- 24908 NEKRASOV, P. Rabota pluga i chizel' na vesennii predposovnoi obrabotke pochvy. Vsesoizn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10 (4/5): 24-28. 1945. 20 Akl  
Advantages of tillage before spring planting.
- 24909 PHILLIPS, R. T. Hoeing. Gard. Chron. 119: 102-103. Mar. 2, 1946. 80 G162
- 24910 POPOV, P. A. Okul'turivanie nanosnykh rechnykh peskov. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(157): 1-2. 1945. 49 Se4  
Cultivation of alluvial river sands.
- 24911 PRYOR, W. C. Well-rounded gardens. Soil Conserv. 11: 222. Apr. 1946. 1.6 So3S  
New tillage methods.



- 24912 STEPHENSON, R. E., and SCHUSTER, C. E. Straw mulch for soil improvement. *Soil Sci.* 61: 219-224. Mar. 1946. 56.8 So3
- 24913 THUOG, E. Why plow? In answer to "Plowman's Folly." *Hoard's Dairyman* 91: 279, 292-293, 302. Apr. 10, 1946. 44.8 H65
- Drainage, Irrigation, Water Supply, and Flood Control
- 24914 ALLEN, M. What is a reclamation program? *Irrig. Farmer* 3(10): 8. Feb. 7, 1946. 58.8 Ir78
- 24915 BANERJEE, K. B. Irrigation-planning in Bengal. 72 p. Calcutta, Shilpa-Sampad Prakashani, 1945. 55 B22
- 24916 BROCKMAN, C. F. The "why" of snow surveys. *Yosemite Nature Notes* 25: 57-61. Mar. 1946. 409.6 YB
- 24917 CASTAÑEDA REY, L. Temas de irrigación. *Agr. Trop.* 2(1): 37-38. Feb. 1946. 26 Ag8
- 24918 COLLOPY, J. P. Water from the land of "Old Jules." *Soil Conserv.* 11: 231-232. Apr. 1946. 1.6 So3S
- Mirage Flats project near Hay Springs, Nebraska.
- 24919 CORBIE-MERJONGLE HILLS EXTENSION GROUP. Facts for irrigation farmers. Proceedings of extension schools for farmers, June 1944, 48 p. Melbourne, 1945. 55.9 C81
- Murrumbidgee Irrigation Areas, New South Wales. In cooperation with Balingall Extension Group.
- 24920 DECOUX, L., and SIMON, M. Les problèmes posés à l'agriculture belge par les inondations à l'eau saumâtre en 1944. *Inst. Belge pour l'Amélior. de la Betterave*. P. 13: 112-185. May/June 1945. Ref. 66.9 In7
- English summary.
- 24921 FITZPATRICK, J. T. Frequency of summer irrigation. *Fruit World & Market Grower* 46(12): 5. Dec. 5, 1945. 80 F948
- 24922 GLOVER, J. Some problems of semi-arid areas. *East African Agr. J.* 11: 133-138. Jan. 1946. Ref. 24 Ea74
- Conservation of water.
- 24923 GRUNDY, F. Conservation of water for storage underground. *East African Agr. J.* 11: 139-144. Jan. 1946. 24 Ea74
- 24924 HALLEN, B. Abandonment may mean loss of water rights. *Westerner* 9(2): 10, 30-31. Mar. 1946. 49 W522
- 24925 HARTMAN, M. A. Getting the most out of irrigated farmland. *Cattleman* 32(10): 127. Mar. 1946. 49 C29
- 24926 IGLESIAS BENOIT, H. Régimen legal de aguas en Colombia (estudio comparativo - resumen). *Tierras y Aguas* 7(73/74): 61-71. Jan./Feb. 1945. 282.8 T44
- Includes water for irrigation.
- 24927 JACOBSON, W. L. The need and benefit of irrigation on the Canadian prairies. *Agr. Inst. Rev.* 1: 221-224, 226. Mar. 1946. 7 Ag8
- 24928 JOHNSON, K. Dig ditch; 200-foot canal forms life line for Imperial Valley growers. *West. Grower & Shipper* 17(5): 6-9. Apr. 1946. 280.38 W52
- The All-American Canal.
- 24929 KOVDA, V. A. Classification of irrigated oases and the most important measures to be taken to prevent soil salinization. *Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.)* 49: 140-143. 1945. 511 P444
- 24930 KUCHIN, P. I. Kak my osvvaivam novye zemli pod luga i pastbishoha [How we are reclaiming new lands for meadows and pastures]. *Sel'so (Ser. Kolkhoz. Zhivotn.)* 14(113): 1-2. 1945. 49 Se4
- 24931 KUNZ, J. G. Irrigation group hinder progress. *Nebr. Farmer* 88(6): 5. (Cont.) Mar. 16, 1946. 6 N27
- 24932 MCKINNEY, J. O. Federal authorities attacked at Colorado Water Users' meeting. *West. Farm Life* 48(6): 10. Mar. 15, 1946. 6 R153
- 24933 MEINZER, O. E., WENZEL, L. K., and others. Water levels and artesian pressure in observation wells in the United States in 1943. Pt. 5. Northwestern States. U. S. Geol. Survey. Water-Supply Paper 990, 279 p. Washington, 1946. 407 G29W
- 24934 MILLER, M. L. Farm land drainage. *Ky. Farmer's Home J.* 82(2): 10. Feb. 1946. 6 F2237
- 24935 MONTGOMERY, M. Central Valley Project--highlights of its history. *Land Policy Rev.* 9(1): 18-21. Spring 1946. 1 Ec7La
- 24936 MYERS, L. F. Summer irrigation; January is the time to cover more surface. *C. S. I. R. Irrig. Res. Sta. Farmers' Newsletter*, No. 8, p. 6-7. Jan. 1946. 55.9 G87
- Murrumbidgee Irrigation Area.
- 24937 MYERS, L. F. Summer irrigation programme. *Citrus News* 22(1): 12. Jan. 31, 1946. 80 C494
- 24938 NEVEROV, V. Iskusstvennyi senokos na nizinnom bolote. *Sel'so (Ser. Kolkhoz. Zeml.)* 14 (154/155): 1-3. 1945. 20 Se475
- Reclamation of marshy land for pastures on the Second Regional Soviet Congress collective farm in the Archangel Region.
- 24939 NISSLEY, C. H. Vegetables require water. *N. J. State Hort. Soc. Hort. News* 27: 1801. Feb. 1946. 81 N46
- 24940 ORCHARD irrigation. *Wash. State Hort. Assoc. Proc.* (1945) 41: 75-86. 1946. 81 W273
- Discussion by J. W. Thamm, L. J. Richardson, C. C. Clark, A. L. Marble, and G. H. Bliesner.
- 24941 ROSS, P. F. Water for Mexico. *Inter-Amer.* 5(2): 16-18. Feb. 1946. 280.8 In85
- Irrigation for Mexican farmers.
- 24942 SCOTT, L. Research work by a Junior Farmer; irrigation in the Lake Wyangan district. *Primary Prod. [Sydney]* 22, 1. e. 23(52, 1. e. 1): 12. Jan. 11, 1946. 23 P93
- 24943 STACKPOLE, M. R. Notable local floods of 1939. Part 3. Flood of August 21, 1939 in town of Baldwin, Maine. U. S. Geol. Survey. Water-Supply Paper 967-C, p. 61-68. Washington, 1946. 407 G29W
- 24944 STANNARD, R. M. K. Farm lay-out on the M. I. A. C. S. I. R. Irrig. Res. Sta. *Farmers' Newsletter*, No. 8, p. 3-4. Jan. 1946. 55.9 G87
- Murrumbidgee Irrigation Area.
- 24945 STOUT, L. 1946---the year of irrigation. *Canad. Cattleman* 8: 178-179, 182-183, 247. Mar. 1946. 49 C16
- 24946 TAMAYO, J. L. Inversiones gubernamentales en regadío. *Rev. de Econ.* 9(1): 37-40. Jan. 15, 1946. 280.8 R3293
- Mexico.
- 24947 THOMAS, L. C. More irrigation--more industries. *Irrig. Farmer* 3(10): 9, 15. Feb. 7, 1946. 58.8 Ir78
- Nebraska.
- 24948 TRUEBA CORONEL, S. Estudios y observaciones preliminares para determinar la posibilidad de crear un proyecto de riego. *Agr. Trop. Sup. Agron.* 2(1): 3-22. 1946. Ref. 26 Ag8
- 24949 TUCKER, R. H., and BROWN, F. Profits for farmers in irrigated pastures; carefully planned, planted and managed pastures will return dividends. *Irrig. Farmer* 3(10): 2. Feb. 7, 1946. 58.8 Ir78
- 24950 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1944. Part 7. Lower Mississippi River Basin. U. S. Geol. Survey. Water-Supply Paper 1007, 371 p. Washington, 1946. 407 G29W
- 24951 U. S. GEOLOGICAL SURVEY. Surface water supply of the United States, 1944. Pt. 4, St. Lawrence River Basin. U. S. Geol. Survey. Water-Supply Paper 1004, 228 p. Washington, 1946. 407 G29W
- 24952 WALTERS, D. V. Non-irrigation season; four months period in 1946. *C. S. I. R. Irrig. Res. Sta. Farmers' Newsletter*, No. 8, p. 2. Jan. 1946. 55.9 G87



24953 WEINGART, R. E. Irrigating potatoes with high pressure equipment. Market Growers J. 75(4): 20. Apr. 1946. 6 M34

24954 WHITE, W. N., BROADHURST, W. L., and LANG, J. W. Ground water in the high plains of Texas. U. S. Geol. Survey. Water-Supply Paper 889-F, p. 381-420. Washington, 1946. 407 G29W

24955 WOOTEN, H. H. The agricultural flood control program; a review of the watershed investigations and reports. J. Land and Pub. Util. Econ. 22(1): 35-47. Feb. 1946. 282.3 J82

#### Erosion and Erosion Control

24956 ALARCÓN CH., P. J. La lucha contra la corriente. Agr. Trop. 2(1): 45-46, 48. Feb. 1946. 26 A8

Erosion control on hills through the planting of so-called contour lines.

24957 ARANHA, R. E. DE S. O preparo das terras para cultura e a erosão. Chacaras e Quintais 73(1): 59-62. Jan. 15, 1946. 9.2 C34

24958 B., J. D. "A New Zealand Tragedy": a film of erosion at Molesworth. Straight Furrow 5 (3): 28, 29. Jan. 15, 1946. 281.8 St8

24959 BAILEY, R. Y. El kudzi en el control de la erosión. Pampa Argentina 20(221): 22-23, 34-36. (Coml.) Jan. 1946. 9 P19

24960 BEARE, J. A. Erosion of orchards and vineyards in South Australia. So. Austral. Dept. Agr. J. 49: 201-208. Dec. 1945. 23 So84

24961 BENNETT, H. H. Soil conservation - a national need. Farm Equip. Retailing 1(4): 24-25. Apr. 1946. 58.8 F2292

24962 BORELL, A. E. Soil and wildlife. Colo. Conserv. Comments 9(1): 14. Mar. 15, 1946. 412.9 C713

24963 CARR, W. H. As the grass goes, green treasure--lost. Nat. Hist. 55: 156-162. Apr. 1946. 500 N483J

24964 CHEPIL, W. S. Dynamics of wind erosion: V. Cumulative intensity of soil drifting across eroding fields. Soil Sci. 61: 257-263. Mar. 1946. 56.8 So3

24965 CHRISTOPHER, E. O. Conservation farming. Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 72. Apr. 1946. 6 So81

24966 DANIELS, E. A. Massachusetts joins the soil conservation parade. New England Homestead 119(4): 3, 8. Feb. 23, 1946. 6 N442

24967 DAVIS, J. C. Dedicate 1946 to soil conservation. West. Reserve Farmer 1(1): 7. Jan. 1946. 6 W5292

24968 DOUTHIT, J. B., and STEELE, F. South Carolina's program for schools. Soil Conserv. 11: 223-226. Apr. 1946. 1.6 So3S

Education in soil and water conservation.

24969 EMERSON, A. W. Building terraces with a one-way disk plow. Impl. and Tractor 61(6): 26-28. Mar. 23, 1946. 58.8 W41

24970 FREE, G. R. Evidences of the effect of erosion of the organic matter and erodibility of Honey soil. Amer. Soc. Agron. J. 38: 207-217. Mar. 1946. 4 Am34P

24971 HOPKINS, O. C. Worthless land made to produce. Farmer-Stockman 59: 98. Feb. 1946. 6 Ok45

Results of soil conservation.

24972 HUFF, W. C. Diversion terraces built-to-last. Furrow, Balt. [Ed.] 51: 4. Jan./Feb. 1946. 6 F98B

24973 KLUUGH, R. H., and RUELES T., J. A. La conservación de los suelos; urgente necesidad que no debemos perder de vista. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 7-10. Dec. 1945. 8 R3291

24974 LETTS, T. C. Improving pastures [through conservation farming] to graze more cattle. Cattleman 32(10): 123-124. Mar. 1946. 49 C29

24975 LOWDERMILK, W. C. Stewardship of the earth. Forest & Outdoors, Feb. 1946, p. 33-36. 99.8 C16

24976 MCKENNA, P. J. Is your soil going downhill? It may if it slopes too much and you don't take steps such as those recommended here. Home Gard. 6 (5): 70-72. Nov. 1945. 80 H756

24977 MARTIN, R. Community studies farm production. Farmer-Stockman 59: 81. Feb. 1945. 6 Ok45

Soil erosion and its control.

24978 NEW ZEALAND. SOIL CONSERVATION AND RIVERS CONTROL COUNCIL. Rating for soil conservation; a burning question for farmers. Straight Furrow 5(3): 5. Jan. 15, 1946. 281.8 St8

24979 ORCHARD, M. A man's idea; how it grew. Farm and Ranch 65(4): 12, 15. Apr. 1946. 6 T31

A. G. Mayse and soil conservation in Lamar County, Texas.

24980 PRIOR, W. C. How wildlife affects soil conservation. Agr. Leaders' Digest 27(3): 28, 30. Mar. 1946. 275.28 Am3

24981 ROBERTS, E. Soil erosion; Oklahoma's number 1 problem. Farmer-Stockman 59: 224-225. Apr. 1946. 6 Ok45

24982 ROBINSON, P. L. When the garden stands on edge; it's not just a planting problem but a question of keeping good soil from washing away when it rains. Home Gard. 7(4): 67-70. Apr. 1946. 80 H756

24983 RUHNKE, G. N. Junior Farmers and soil conservation. (Sum.) Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 28-29, processed. 27 C33

24984 SEXTON, J. P. Valley land being leveled; owners are applying conservation practice that pays off in uniform production. San Luis Val. Farmer and Stockman 1(4): 13. Jan. 1946. 6 Sa52

Increased potato yields on uniformly-leveled land.

24985 SOIL conservation - a regional problem. Farm Equip. Retailing 1(4): 32, 34, 36. Apr. 1946. 58.8 F2292

Contents: Conservation equipment, by L. E. Love, p. 32; Pitting by A. E. McClymonds, p. 32, 34; Main-  
tain terraces when flat-breaking land, by J. T. McAlister, p. 34; Farewell to rocky pastures, by A. Banov, p. 34, 36; Skillful tillage, by G. R. McDole, p. 36.

24986 SWANSON, O. M. Study soil conservation. Hoard's Dairyman 91: 302. Apr. 10, 1946. 44.8 H65

24987 WALKER, E. D. Soybeans and soil erosion. Soybean Digest 6(5): 16-17. Mar. 1946. 60.38 So9

24988 WISE, F. J. S. Soil erosion. West. Austral. Dept. Agr. J. 22: 193-203. Sept. 1945. 23 W52J

24989 WOOD, G. A. Come-back of a community. Soil Conserv. 11: 219-220, 222. Apr. 1946. 1.6 So3S

Soil conservation program for Nopal, Texas.

#### Sanitation

24990 JACKS, H. Tear gas experiments for soil disinfection. Orchardist New Zeal. 19(2): 3, 5. Feb. 5, 1946. 80 Or19

#### MATERIALS FOR SOIL IMPROVEMENT

24991 BIFFEN, W. How to rate the manures. Smallholder 74(1876): 7. Mar. 1, 1946. 10 Sml

24992 BOLFORD, G. H. Trends in fertilizer manufacture. Straight Furrow 5(3): 11. Jan. 15, 1946. 281.8 St8

24993 NEWMAN, A. N. The problem of Germany's chemical industry. Com. Fert. 72(2): 28, 37. Feb. 1946. 57.8 C73

Especially fertilizers.



24994 PRĀNISHNIKOV, D. N. Znachenie khimizatsii v dele podnitati nashikh uroshaev v predstozhshchie piatiletiia. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriazeva. Trud., No. 30, p. 5-20. 1945. 106 M852T

Importance of chemical fertilizers in U. S. S. R. 24995 VALIN. A propos des engrais. Soc. d'Hort. et d'Acclim. du Maroc. B. 32: 62-64. 3d quart., 1945. 87 Sol

#### Primary Materials

24996 DOETSCH, J. F. Effect of recent developments on Chilean nitrate supplies for 1946 crops. Victory Farm Forum, No. 22, p. 2. Mar. 1946. 281.8 F226

24997 JACOB, K. D. Stickstoff-syndikat G. m. b. H., Ramholz über Vollmerz, near Schlüchtern. U. S. Dept. Com. Off. Pub. B. Rpt. 7748, 7 p., processed. Washington, 1945. 157.8 R29

24998 PETERSON, H. B. Nitrogen fertilizers have place on dry lands. Victory Farm Forum, No. 22, p. 11. Mar. 1946. 281.8 F226

24999 PILOT, R. Rétrospective de la fabrication des composés azotés synthétiques: conditions réglementaires a leur extension future. Rev. Agr. de l'île Maurice 24: 287-291. Nov./Dec. 1945. 24 M44

25000 SCARSETH, G. D. Nitrogen and successful farming. Ohio Farm Bur. News 25(9): 12. Apr. 1946. 6 Oh34

25001 WHITEHEAD, S. B. Know your fertilisers. 9. Nitro-chalk. Pop. Gard. 48: 28. Mar. 23, 1946. 80 G1622

#### Secondary and Minor Element Materials

25002 BRYAN, O. C. Trends in the use of minor elements. Citrus 8(7): 14. Mar. 1946. 80 C498

25003 ROGERS, W. B. Oats need minerals for best use of nitrogen. Victory Farm Forum, No. 22, p. 5. Mar. 1946. 281.8 F226

#### Mixed Fertilizers and Fertilizer Technology

25004 PADEN, W. R. Significant progress in fertilizer analyses. Victory Farm Forum, No. 22, p. 6. Mar. 1946. 281.8 F226

#### Fertilizer Statistics

25005 KARRAKER, P. E. Fertilizer supply for the coming year. Ky. Farmer's Home J. 82(2): 25. Feb. 1946. 6 F2237

25006 NOBLE, W. California fertilizer usage; first figures taken from WFA allocations. West. Grower and Shipper 17(4): 30. Mar. 1946. 280.38 W52 Statistics.

25007 THORNE, D. W., and PETERSON, H. B. Utah fertilizer recommendations for 1946. Supplies of fertilizers greater than in 1945 but not adequate to meet increased demands. Farm & Home Sci. [Utah Sta.] 7(1): 1, 9-11. Mar. 1946. 100 UtlF

25008 WHITNEY, R. S. How about commercial fertilizer? Colo. Farm B. [Colo. Sta.] 8(1): 12-14. Jan./Feb. 1946. 100 C71S

#### Mineral Soil Amendments

25009 LUNT, H. A. The value of wood ashes as fertilizer. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 425, 6 p., processed. Columbus, Ohio, 1946. 381 N213P

25010 SMITH, A. M. Wheat must have lime: Five experiment proves it: testing different sources of lime. Farming News and North Brit. Agr. 98(2): 15. Jan. 4, 1946. 10 N82

#### Manures and Composts

25011 ARIES, R. S. Research on lignin as a soil builder. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 431, 17 p., processed. Columbus, Ohio, 1946. 381 N213P

25012 BRADLEY, C. Cattle feeding an essential to irrigators; Bertrand farmer demonstrates how feeding program helps to fully utilize land possibilities. Irrig. Farmer 3(10): 1, 16. Feb. 7, 1946. 58.8 Ir78

Manure best fertilizer.

25013 DESENLIS, R. Remarques sur l'amélioration du fumier de ferme. Terre d'Oc 27: 405-410. Nov. 1945. 14 T27

25014 DOLF, H. The role of carbon dioxide in composting. Organic Gard. 8(5): 36. Apr. 1946. 56.8 Or3

25015 DUNN, S., SEIBERLICH, J., and EPPELSHEIMER, D. S. The use of lignin in potato fertilizer. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 426, 5 p., processed. Columbus, Ohio, 1946. 381 N213P

25016 HAAS, H. C. The earth's organic cover; the need for a thorough mix of ingredients in correct proportions and properly combined. Organic Gard. 8(5): 49-52. Apr. 1946. 56.8 Or3

25017 LAWRENCE, O. The place of the earth in the compost heap. Organic Gard. 8(5): 17-19. Apr. 1946. 56.8 Or3

25018 MIDGLEY, A. R. The use of sawdust, shavings and superphosphate with dairy manure. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 427, 8 p., processed. Columbus, Ohio, 1946. 381 N213P

25019 MONTEALEGRE, M. R. Compost in Central America. Organic Gard. 8(5): 43-45. Apr. 1946. 56.8 Or3

25020 SEATH, D. M. Dairymen: save manure. Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 66. Apr. 1946. 6 So81

25021 SEIBERLICH, J. Fundamentals of lignin chemistry as applied to fertilizers. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 429, 4 p., processed. Columbus, Ohio, 1946. 381 N213P

#### FORESTRY

##### FOREST ECONOMICS AND POLICY

25022 ASSOCIATION FORESTIERE QUÉBÉCOISE. Compte-rendu du 1<sup>er</sup> Congrès provincial tenu à Québec les 3, 4 et 5 octobre 1944. Assoc. Forest. Québécoise. B. 10, 437 p. Quebec, 1944. 99.9 A74

25023 BARRETTE, G. Aerial photography in Quebec. Forestry Chron. 22: 9-16. Mar. 1946. 99.8 F7623

For study of forestry problems.

25024 CHAMPION, H. G. International forestry. Wood 11: 63-64. Mar. 1946. 99.82 W855

25025 CHAPMAN, H. H. Origin and results of the seed-tree experiment with Norway pine on the Chippewa National Forest. J. Forestry 44: 178-183. Mar. 1946. 99.8 F768

25026 DICKERMAN, M. B. Present indications of future trends in Michigan forest industries. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 193-201. 1945. 500 M582

25027 DOOLITTLE, S. Junior Forest Rangers organized. Wis. Conserv. B. 11(2): 23. Feb. 1946. 279.8 W752



25028 DUHAR, J. F. Does New York need a forest inventory? J. Forestry 44: 176-177. Mar. 1946. 99.8 F768

25029 GILL, T. Forestry joins the United Nations. J. Forestry 44: 159-163. Mar. 1946. 99.8 F768

25030 GREELEY, W. B. The promise of industrial forestry. Calif. Lumber Merchant 24(17): 20, 22. Mar. 1, 1946. 99.81 C12

25031 INTERAGENCY COMMITTEE. German forest resources and forest products industries. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4603, 57 p. Washington, 1945. 157.8 R29

25032 JONES, B. Forest land conservation is considered by States. Forest Leaves 36: 10. Jan./Feb. 1946. 99.8 F763

Reprinted from Legal Intelligencer, Dec. 11, 1945.

25033 LOPEZ NOVELO, M. A. Costo de explotación y aserrado de maderas. II. Fomento [monthly] 2(24): 11-12, 17-18. Oct. 1945. 8 F734

25034 MARSH, R. E. Forest Service program for 1946 and the years ahead. J. Forestry 44: 186-190. Mar. 1946. 99.8 F768

25035 MATTOON, H. G. Create living memorials. Forest Leaves 36: 1-2, 14. Jan./Feb. 1946. 99.8 F763

Community forests.

25036 POOLE, C. E. L. Forests and forestry in Australia. J. Forestry 44: 164-168. Mar. 1946. 99.8 F768

25037 SHIMANIUK, A. The Soviet Wood Institute. Wood 11(2): 58. Feb. 1946. 99.82 W855

25038 TOBAL, M. A. Nuestros problemas forestales. Pampa Argentina 20(221): 6. Jan. 1946. 9 P19

25039 U. S. DEPT. OF AGRICULTURE. FOREST SERVICE. Cual es nuestro objetivo? Caribbean Forester 7(1): 70-77. Jan. 1946. 1.9622 T2C23

25040 W., J. Fireside reverie. I - A forester looks forward - what types of trees should be grown? II. State and private forestry. Timber Trades J. 176: 637-638, 831-832. Feb. 16, Mar. 2, 1946. 99.81 T48

#### Legislation

25041 BELYEA, H. S. The Forest Practice Standards Act of New York State. Rural New-Yorker 105: 290. Apr. 6, 1946. 6 R88

25042 URANGA LOYA, A. Las medallas del mérito forestal. Indus. Forest. 1(4): 15-16. Sept. 1945. 99.8 In23

Legislation in Mexico.

#### Prices

25043 GOETZ, S. M. Shall price control on lumber be continued? West Coast Lumberman 73(3): 80, 100. Mar. 1946. 99.81 W52

#### FOREST DESCRIPTION AND RESOURCES

25044 DUFFELL, R. Finland's forests. Wood 11: 69-71. Mar. 1946. 99.82 W855

25045 EASTERBROOK, L. F. New forests bring prosperity to forsaken Welsh hills. Forest Leaves 35(6): 8. Nov./Dec. 1945. 99.8 F763

25046 FROST, S. L. Texas green gold; "a brief look at Texas forest resources." Natl. Farm Chemurg. Council. Chemurg. Papers, No. 446, 4 p., processed. Columbus, Ohio, 1946. 381 N213P

25047 GUILD, J. M. East Texas forest survey. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 443, 6 p., processed. Columbus, Ohio, 1946. 381 N213P

25048 KASE, G. W. Man and nature winning at Mt. Airy Forest [Ohio]. Parks & Recreation 29: 61-64. Mar./Apr. 1946. 98.8 P23

Reclaiming land by means of reforestation.

25049 MACKLEY, C. Man-made forests of New Zealand. West Coast Lumberman 73(2): 60-62. Feb. 1946. 99.81 W52

25050 MEYER, W. H., and PLUSNIN, B. A. The Yale Forest in Tolland and Windham Counties, Connecticut. Yale U. School Forestry. B. 55, 54 p. New Haven, 1945. 99.9 Y1B

25051 WHITEHILL, A. M. Virginia's timber resource. Va. U. News Let., v. 22, No. 12, 1 p. Charlottesville, 1946. 280.9 V815

25052 WOODS, J. B. Oregon's unequalled forest capital. Amer. Forests 52: 122-124, 128, 140-142. Mar. 1946. 99.8 F762

#### Individual Genera and Species

25053 BRAMBLE, W. C. Natural reproduction of jack pine in Pennsylvania. J. Forestry 44: 204. Mar. 1946. 99.8 F768

25054 MAGUIRE, E. G. Gifts of the Americas: Paraná pine (Brazilian Araucaria). Agr. in the Americas 6: 79. Apr. 1946. 1 F752A

25055 PETRINI, S. Tre försöksytter i aspskog (Three sample plots in aspen woods). Sweden Statens Skogsforsöksanst. Meddel., No. 34, p. 309-325. 1945. 99.9 Sw32

English summary, p. 325.

25056 ROIG Y MESA, J. T. Estado actual de las plantaciones de cedro (Cedrela mexicana) en la isla de Cuba. Caribbean Forester 7(1): 93-102. Jan. 1946. 1.9622 T2C23

25057 ROUSE, G. D. Establishment of oak plantations in East Anglia. Forestry 19: 56-61. 1945. 99.8 F767

#### FOREST ADMINISTRATION AND MANAGEMENT

25058 ARNST, A., and HILL, W. W. Should this land be in timber? Soil Conserv. 11: 232-234, 239. Apr. 1946. 1.6 So3S

Use of utilitarian conservation surveys for establishing land use capability classes in the Douglas-fir region of the Pacific Northwest.

25059 BOURNE, R. Neglect of natural regeneration. Forestry 19: 33-40. 1945. 99.8 F767

25060 CANEDO-ARGÜELLES Y QUINTANA, E. DE. La meteorología y la geología en el equipo del forestal. Montes 1: 301-303. Sept./Oct. 1945. 99.8 M763

25061 ELORRIETA ARTAZA, O. La ordenación de montes en España. Montes 1: 282-293. Sept./Oct. 1945. 99.8 M763

Forestry in Spain.

25062 EMBUN Y OSEÑALDE, J. X. DE. El monte y sus "añadiduras." Montes 1: 294-297. Sept./Oct. 1945. 99.8 M763

Forestry in Spain.

25063 FORESTRY forum. Brit. Columbia Lumberman 30(3): 45-46, 68, 70, 100, 102, 104. Mar. 1946. 99.81 B77

Panel of forest experts presided over by E. E. Gregg.

25064 FROST, S. L. Growing profits in pine [Crossett Experimental Forest]. Amer. Forests 52: 106-109, 143-144. Mar. 1946. 99.8 F762

25065 GOLDBERG, H. M. Timber management practice here outlined by forester. Timber Topics 8(6): 3-4, 8. Mar./Apr. 1946. 99.81 T486

25066 GONZALEZ VAZQUEZ, E. La selvicultura española. Montes 1: 311-318. Sept./Oct. 1945. 99.8 M763

25067 GUERRA, A. Nuestro problema forestal. Labor 4(99): 4. Dec. 21, 1945. 8 L11

Cuba.

## FOREST PROTECTION AND DAMAGE

Articles on diseases of trees are listed under Pathology in the Plant Science section; articles on forest insects in the Entomology section.

25068 HARPER, V. L. Research in management and utilization of forests in Pennsylvania. Forest Leaves 36: 7-8. Jan./Feb. 1946. 99.8 F763

25069 LAMBERT, J. H., JR. Forest cutting practices rules as applied in Massachusetts. Yale Forest School News 34: 24-25. Apr. 1946. 99.8 YL

25070 MACKAY MONTEVERDE, E. La ordenación de montes y el método científico. Montes 1: 275-281. Sept./Oct. 1945. 99.8 M763

Forestry in Spain.

25071 MEDRANO Y SANZ, L. V. DE. Recuerdo merecido. Montes 1: 298-300. Sept./Oct. 1945. 99.8 M763

Forestry in Spain.

25072 PETERSON, H. Redogörelse för verksamheten vid Statens Skogsförskansanstalt under år 1941 [Report of the activities of the Federal Forestry Experiment Station for 1941]. Sweden. Statens Skogsförskansanst. Meddel., No. 34, p. 417-450. 1945. 99.9 Sw32

25073 REYNOLDS, R. R. Trees a profitable crop. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 444, 6 p., processed. Columbus, Ohio, 1946. 381 N213P

Forest management.

25074 TRENK, F. B. Wisconsin's Timber-Harvest Forests. Wis. Conserv. B. 11(2): 3-7. Feb. 1946. 279.8 W752

Project to promote better forest management among farmers.

Farm Woodlands

25075 CHANDLER, R. F., JR. Relationships between forest trees and soils. Cornell Plantations 2: 19-21. Winter 1945/1946. 409.6 C812

25076 DIETRICK, A. N. Harvesting a woodland crop. Pa. Farmer 134: 212. Mar. 23, 1946. 6 P383

25077 DUNLOP, D. Afforestation on small estates. Gard. Chron. 119: 127. Mar. 16, 1946. 80 G162

25078 GETSON, S. F. Woodlots offer good returns. Family Herald and Weekly Star 77(3): 23. Jan. 16, 1946. 7 F21

25079 HANDLAN, J. W. New program sets up West Virginia tree farms. W. Va. Conserv. 10(1): 6, 21. Apr. 1946. 279.8 W524

25080 MUIR, W. A. Cultivation of chestnut coppice and its utilization in war and peace. Forestry 19: 74-85. 1945. 99.8 F767

25081 MULLOY, G. A. Working plans for farm woodlots. Forestry Chron. 22: 30-31. Mar. 1946. 99.8 F7623

Mensuration

25082 CERVERA IBÁÑEZ, J. M. La comparación de inventarios en los métodos experimentales. Montes 1: 391-399. Nov./Dec. 1945. 99.8 M763

25083 NILSUND, M. Antalet provträd och kubikmassans noggrannhet vid stamräkning av skog (The number of sample trees and the accuracy of the cubic volume in forest estimation by stem accounting). Sweden. Statens Skogsförskansanst. Meddel., No. 34, p. 295-308. 1945. Ref. 99.9 Sw32

English summary.

25084 REED, F. C. A simple method of volume table construction. J. Forestry 44: 196-197. Mar. 1946. 99.8 F768

Followed by comment by C. Mesavage.

25085 SMITH, J. Nouveaux règlements de mesurage. Forêt Québécoise 11: 189-190. Mar. 1946. 99.8 F79

25086 WIKSTEN, Å. Metodik vid mätning av årsringens varved och höstved (A method of measuring spring wood and summer wood in the annual ring). Sweden. Statens Skogsförskansanst. Meddel., No. 34, p. 451-496. 1945. 99.9 Sw32

English summary, pp. 493-496.

Fire

25090 BEALL, H. W. Wartime influence on forest fires in Canada. Forestry Chron. 22: 25-29. Mar. 1946. 99.8 F7623

25091 MULLINS, C. E. Forest fire season finds bloodhound pack enlarged. W. Va. Conserv. 10(1): 7, 21. Apr. 1946. 279.8 W524

25092 WASHINGTON FOREST FIRE ASSOCIATION. Annual report, 38th, 24 p. Seattle, 1945. 99.9 W273

SILVICULTURE

See Items 24225-24243

LUMBERING

25093 MABRY, D. B. Postwar survey of the requirements of railroads. Cross Tie B. 27(3): 7-10. Mar. 1946. 99.82 C87

Equipment

25094 BRATTON, A. W. Another spray gun [for marking timber]. J. Forestry 44: 206. Mar. 1946. 99.8 F768

25095 CHALLENGER, J. W. Power saws - past, present and future. Brit. Columbia Lumberman 30(2): 86, 90, 92, 94, 96. Feb. 1946. 99.81 B77

Also in Timber of Canada 6(6): 88-90. Feb. 1946. 99.81 T487

25096 CHALLENGER, J. W. Some advantages of power saws. West Coast Lumberman 73(3): 85, 87. Mar. 1946. 99.81 W52

25097 DROTT, E. A. Inventor of the skid-loader details its origin and design. Timber Topics 8(6): 1-3, 12. Mar./Apr. 1946. 99.81 T486

25098 SULIMOV, A. N. Uluchshennaya pravka luchkovykh pil. Lesn. Promysh., No. 5/6, p. 8-10. May/June 1945. 99.82 L56

Tests for the improvement of saws.

Logging

25099 BOVIN, B. I. Novoe v konstruktsii plotu Dalmatova [New improvement in the construction of the Dalmatov raft]. Lesn. Promysh., No. 5/6, p. 11-12. May/June 1945. 99.82 L56

For log transportation.

25100 CHANT, D. B. Axe cuts; a study of axe injuries in woods operations during the three years 1942, 1943 and 1944. Pulp and Paper Mag. Canada 47(2): 59-61. Feb. 1946. 302.8 P96

Injuries to workers.

25101 DUFFELL, R. Timber extraction in Sierra Leone. Wood 11(2): 48-50. Feb. 1946. 99.82 W855

25102 GERMANOV, V. G. Potochnyi sposob lesozagotovok [Streamline method of logging]. Lesn. Promysh., No. 5/6, p. 5-6. May/June 1945. 99.82 L56



25103 MOROZOV, A. V. Znachenie rel'sovoY leso-vyvozki. Lesn. Promysh., No. 5/6, p. 2-4. May/June 1945. 99.82 L56

#### Transportation of logs.

25104 RICHEN, C. W. Some problems in re-logging of cutover lands. Pulp and Paper Indus. 20(2): 58, 60. Feb. 1946. 302.8 P11

25105 TOROPIN, D. K. Bestrelevochnaya vyvozka avtomashinami neposredstvenno s paseki na nizhnie sklady. Lesn. Promysh., No. 5/6, p. 6-8. May/June 1945. 99.82 L56

Transportation of logs and the construction of forest roads.

25106 URQUHART, B. P. Experiences in harvesting timber and their application to silviculture and management. Forestry 19: 113-127. 1945. 99.8 F767

#### Lumber Industry

25107 RYAN, F. T. Providing a market for trees. News Farmer Coop. 13(1): 19-20. Apr. 1946. 166.2 M47

Sales by Doddridge County [W. Va.] Cooperative Timber Marketing Association.

25108 STEVENS, J. Closer utilization through use of green fir economy grades. West Coast Lumberman 73(3): 64. Mar. 1946. 99.81 W52

#### Sawmills

25109 JOHNSON, R. C. The sawmill scale (index) board. Mich. Agr. Expt. Sta. Q. B. 28: 181-188. Feb. 1946. 100 M58S

Progress report of a project for the improvement of small sawmills.

25110 SHEPHERD, J. Arlie Parker's suggestion breaks production bottleneck. West Coast Lumberman 73(2): 96, 132. Feb. 1946. 99.81 W52

Installation of a drop sorter rocker in a sawmill.

#### WOOD TECHNOLOGY

25111 CHAPLIN, C. J. Stress grading of timber. 32 p. London, Timber Devlpmnt. Assoc., 1945. 99.76 C362

25112 DESCH, H. E. Wood fallacies. 5-8. Wood 11: 33-35, 75-77. (Cont.) Feb., Mar. 1946. 99.82 W855

25113 GALLEGO QUERO, F. Castellarnau, anatomista de la madera. Montes 1: 319-324. Sept./Oct. 1945. 99.8 M763

25114 LEFFINGWELL, G., and LESSER, M. A. Glycerine used in treating wood. Wooden Barrel 14(7): 8, 14. Mar. 1946. Ref. 99.82 W854

25115 SMITH, W. T. Finishing walnut. Wood Prod. 51(3): 32, 34, 36. Mar. 1946. 99.82 W856

25116 SMITH, W. T. A frank discussion of some of the best practices employed in finishing oak. Wood Prod. 51(2): 32, 34, 36. Feb. 1946. 99.82 W856

25117 TEESDALE, L. V. Reducing the hazards of green farming lumber in postwar housing is explained. Miss. Val. Lumberman 77(9): 20, 22-23. Mar. 1, 1946. 99.81 M69

#### Chemical and Physical Properties

25118 PERELYGIN, L. M. Vliyanie skorosti nagru-zheniya pri mekhanicheskikh ispytaniyakh drevesiny [Effect of speed of loading in mechanical testings of wood]. Lesn. Promysh., No. 5/6, p. 16-19. May/June 1945. 99.82. L56

25119 SEGALL, G. H., and FURVES, C. B. Chemical composition of wood barks. Pulp and Paper Mag. Canada 47(3): 149-152. Convention Issue 1946. Ref. 302.8 P96

25120 STEGMAN, J. D. Inside the tree. West Coast Lumberman 73(2): 117. Feb. 1946. 99.81 W52

25121 TIMOFEEV, V. P. Tekhnicheskie svoystva drevesiny listvennitsy [Technical properties of larch wood]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriàzeva. Trud., No. 30, p. 129-144. 1945. Ref. 106 M852T

25122 YORSTON, F. H. Recent advances in the chemistry of wood. Pulp and Paper Mag. Canada 47(3): 131-134. Convention Issue 1946. Ref. 302.8 P96

#### Preservative Treatment

25123 VAUGHAN, J. A. Timber preservation practices for southern pine. Elect. Light and Power 24 (3): 60-64, 66. Mar. 1946. 335.8 EL243

Preservative treatment for southern pine poles and crossarms.

#### FOREST PRODUCTS

25124 ARIES, R. S. Wood products--a key to the future. Natl. Farm Chemurg. Council Chemurg. Papers, No. 421, 13 p., processed. Columbus, Ohio, 1946. 381 N213P

25125 CHURCH, J. W. Fibre from waste wood. Pulp and Paper Mag. Canada 47(3): 275. Convention Issue 1946. 302.8 P96

25126 DUFFY, R. R. Study of saw mill waste. Pulp and Paper Mag. Canada 47(3): 276. Convention Issue 1946. 302.8 P96

25127 EASTERBROOK, L. F. La conquista de la madera. Agrario 10(374): 4, 12. Jan. 31. 1946. 9.3 Ag85

Wartime wood production and utilization in Great Britain.

25128 FRANKLIN, B. L. Producing distinctive laminated millwork. Veneers and Plywood 40(3): 30, 32. Mar. 1946. 99.82 V55

25129 GARRATT, G. A. Postwar opportunities in wood utilization. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 447, 18 p., processed. Columbus, Ohio, 1946. 381 N213P

25130 HARRIS, E. E. Chemical utilization of wood and wood waste. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 441, 10 p., processed. Columbus, Ohio, 1946. 381 N213P

25131 HARRIS, E. E. Making alcohol from wood waste. Miss. Val. Lumberman 77(9): 11-13. Mar. 1, 1946. 99.81 M69

Also in Barrel and Box and Packages 51(3): 9-11. Mar. 1946. 99.82 B27

25132 KAUFFMAN, E. House of wood magic. III. Amer. Forests 52: 125-126, 142. Mar. 1946. 99.8 F762

Impregnated wood.

25133 KINGAID, D. H. Conversion of wood waste to useable fibre with the Bauer refiner. Pulp and Paper Mag. Canada 47(3): 195-202. Convention Issue 1946. 302.8 P96

25134 MARSHALL, E. D. Modern wood utilization. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 445, 3 p., processed. Columbus, Ohio, 1946. 381 N213P

25135 RUSSELL, J. K. The utilization of wood wastes. Pulp and Paper Mag. Canada 47(3): 277-279. Convention Issue 1946. Ref. 302.8 P96

25136 SAEMAN, J. F., LOCKE, E. G., and DICKERMAN, G. K. Wood and cellulose research in Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 7750, 45 p., processed. Washington, 1945. 157.8 R29

25137 SANGUINO BENITEZ, L. Los montes y las industrias forestales. Montes 1: 325-329. Sept./Oct. 1945. 99.8 M763

25138 SCHOFFELMAYER, V. H. New wealth from the forest. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 440, 4 p., processed. Columbus, Ohio, 1946. 381 N213P



25139 SCHOFFELMAYER, V. H. Wood products have vital place in Etex. East Tex. 20(5): 6, 14. Feb. 1946. 6 Ea73

25140 VEACH, J. B. The new age of wood--the commercial value of research and its importance to the future economy. Natl. Coopers' J. 61: 24-25. Feb. 1946. 99.82 N21

#### Barrels, Boxes, and Crates

25141 BARTLETT, J. T. The barrel in early New England. Wooden Barrel 14(6): 14-15. Feb. 1946. 99.82 W854

25142 BARTLETT, J. T. The barrel in early New England; lives of colonial families hinged around cooperage; foodstuffs and liquids came direct from the wood. Wooden Barrel 14(6): 14-15. Feb. 1946. 99.82 W854

25143 CECONATO, A. La fabricación de bordelesas en Cuyo; nueva industria con maderas regionales. Vinos, Viñas y Frutas 41: 370-371. Jan. 1946. 9 Ag89

Manufacture of containers for wine.

25144 LARSEN, A. Bouncing boxes. South. Lumberman 172(2160): 55-56. Apr. 1, 1946. 99.81 So82

25145 LYNCH, J. T. Special crate for wheels. Barrel and Box and Packages 51(3): 18. Mar. 1946. 99.82 B27

25146 WAGNER, J. B. The tight barrel "rough joint"; its cause, effect and remedy. Barrel and Box and Packages 51(3): 17-18. Mar. 1946. 99.82 B27

25147 WILKIE, H. F., and KOLACHOV, P. A. Whiskey cooperage; should re-use of whiskey barrels be legalized to conserve our supplies of white oak lumber? Amer. Forests 52: 130, 144. Mar. 1946. 99.8 F762

#### Charcoal

25148 DUNNICLIFF, H. B. Mobile producer-gas plants. J. Sci. and Indus. Res. 4: 418-420. Jan. 1946. Ref. 475 J82

Includes charcoal fuel.

25149 KENYON, L. G. T. Charcoal production. Forestry 19: 86-94. 1945. 99.8 F767

25150 PEARSON, F. G. O. The utilization of alder buckthorn [Rhamnus frangula]. Forestry 19: 95-96. 1945. 99.8 F767

For charcoal and medicinal use.

#### Furniture

25151 DAVIS, A. E. Design for series production [Norwegian]. Wood 11: 78-79. Mar. 1946. 99.82 W855

#### Naval Stores

25152 SHINGLER, G. P. Contributions of Naval Stores Research Division to the processing of pine oleoresin. AT-FA Journal 8(6): 8-9, 20. Mar. 1946. 309.8 Am3

#### Plastics

25153 SANDS, R. G. Paper making and the plastics industry. World's Paper Trade Rev. 125: 692, 694, 697, 724, 727-728, 730, 732, 775-776, 781-782. (To be cont.) Mar. 15, 22, 1946. 302.8 W89

25154 U. S. FOREST PRODUCTS LABORATORY. Lignin-filled, laminated-paper plastics. Paper Indus. and Paper World 27: 1683-1689. Feb. 1946. 302.8 P1923  
Howard Smith Paper Mills, Ltd., Canadian Dept. of Munitions and Supply, and Forest Products Laboratories of Ottawa, Canada, cooperating.

25155 VERMAN, L. C., and SIEKA, E. N. Plastics. J. Sci. and Indus. Res. 4: 395-399. Jan. 1946. Ref. 475 J82

#### Pulp and Paper

25156 ALLO, G. F. Review of alkaline pulping procedures in Canadian mills. Pulp and Paper Indus. 20(2): 62-64. Feb. 1946. 302.8 P11

Also in Pulp & Paper Mag. Canada 47(3): 116-118. Convention Issue 1946. 302.8 P96

25157 ANDERSON, N. M. Sulphate pulp manufacture in Sweden. Pulp and Paper Mag. Canada 47(3): 174, 176. Convention Issue 1946. 302.8 P96

25158 BALKO, G. Conditions in the paper industry in Europe. Pulp and Paper Mag. Canada 47(3): 175-176. Convention Issue 1946. 302.8 P96

25159 CAMPBELL, W. B. Impressions of the European pulp and paper industry 1945. Pulp and Paper Mag. Canada 47(3): 171-173. Convention Issue 1946. 302.8 P96

25160 DONOGH, R. P. Finland's prospects for forest-products exports; what's the outlook in the vital wood-pulp field? Foreign Com. Weekly 22(12): 3-5, 41. Mar. 23, 1946. 157.54 F763

Based on a report from Vice Consul Walter W. Hill, Helsinki.

25161 FOWLER, R. M. The state of the industry. Pulp and Paper Mag. Canada 47(3): 77-80. Convention Issue 1946. 302.8 P96

25162 HILL, E. L. Meranti [Shorea] wood from Malaya as a source of paper pulp. Gt. Brit. Imp. Inst. B. 43: 265-274. Oct./Dec. 1945. 26 G79

25163 HOLMES, J. A. Technical approach to pulp and paper mill slime control. Pulp and Paper Mag. Canada 47(3): 221-225. Convention Issue 1946. 302.8 P96

25164 INDULIN, W. Va. Pulp and Paper Co. Indus. Chem. Sales Div. Devlpmt. Dept. B. L-1, 14 p. N. Y., 1945. 301.9 W52

25165 LINDENBERG, H. A. Pulpwood production and imports key factor. Paper Mill News 69(12): 25-26. Mar. 23, 1946. 302.8 P195

25166 LITKENHOUS, E. E. Paper industry could use 2,000,000 tons of bagasse pulp, survey indicates. Pulp & Paper Indus. 20(3): 32-32b, 34, 70. Mar. 1946. 302.8 P11

25167 MOORE, T. R., and YORSTON, F. H. A survey of pulping variables in the sulphite process. Pulp & Paper Mag. Canada 47(3): 113-115. Convention 1946. Ref. 302.8 P96

25168 MORGAN, O. P. Viscosity control in production of bleached pulps. Pulp and Paper Indus. 20(2): 56. Feb. 1946. 302.8 P11

25169 NEUBRECH, W. L. Paper demand exceeds supply. Dom. Com. 34(4): 20-21. Apr. 1946. 157.54 D713

Wood pulp situation.

25170 A NEW type mill to cut pulp wood. West Coast Lumberman 73(3): 56-57. Mar. 1946. 99.81 W52

25171 POTTER, G. J. C. A review of the literature on the sulphite process, 1943-Aug., 1945. Paper Indus. and Paper World 27: 1715-1718. Feb. 1946. 302.8 P1923

25172 POTTS, T. T. War-time paper making in Britain and its lessons for peace-time production. Pulp and Paper Mag. Canada 47(3): 163-165. Convention Issue 1946. 302.8 P96

25173 SKOLNIK, H., and SNOW, A. G., JR. Resin impregnation of catfaces; effect of new methods of turpentine upon the resin content of slash pine catfaces. Paper Trade J. 122(12): 52-53. Mar. 21, 1946. 302.8 P196

Pulpwood from slash pine.

25174 SOLVENTS for indulin. W. Va. Pulp and Paper Co. Indus. Chem. Sales Div. Devlpmt. Dept. B. L-2, 10 p. N. Y., 1945. 301.9 W52

25175 STOCKER, F. W., and DURANT, L. G. A stain for the identification of bleached sulphite and bleached kraft [fiber]. Paper Indus. and Paper World 27: 1711-1713. Feb. 1946. 302.8 P1923

25176 VINCENT, R. The sulfite process--its position today. Pulp & Paper Indus. 20(3): 50, 52. Mar. 1946. 302.8 P11



- 25177 WARE, G. A. North American newsprint output increased 8 per cent in year. Paper Trade J. 122(9): 52, 54, 57. Feb. 28, 1946. 302.8 P196  
Also in Paper Mill News 69(9): 114-116. Mar. 2, 1946. 302.8 P195
- 25178 WILKIE, P. M. Some practical aspects of Douglas fir pulping. Pulp & Paper Indus. 20(3): 64-67. Mar. 1946. 302.8 P11

#### Veneers and Plywood

- 25179 ALEXANDER, P. Studies on fungi resistance of protein glued plywood with toxic treatments and resin bonded plywood untreated. Douglas Fir Plywood Assoc. Rpt. 37, 11 p., processed. Tacoma, 1945. 99.9 D74
- 25180 BEATY, J. D. Production factors affecting the bonding of Douglas fir plywood with synthetic resins in adhesives. II-III. West Coast Lumberman 73(2): 109-110, 113, 115; (3): 82. Feb., Mar. 1946. 99.81 W52
- 25181 BOOTH, F. L. High-grade custom plywood manufacture. Veneers and Plywood 40(3): 12, 14-15. Mar. 1946. 99.82 V55
- 25182 CAMPBELL, C. C. Plywood bridges the gap. Veneers and Plywood 40(3): 20. Mar. 1946. 99.82 V55
- 25183 LIMBACH, J. P., and PAUL, B. H. A device for detecting and measuring short grain in veneer. Wood Prod. 51(2): 24, 26. Feb. 1946. 99.82 W856

#### MISCELLANEOUS

##### Education

- 25184 BIRDWELL, A. W. Forestry and education. Natl. Farm Chemurg. Council Chemurg. Papers, No. 442, 4 p., processed. Columbus, Ohio, 1946. 381 N213P
- 25185 COLLINGWOOD, G. H. Action through education: the forestry program of the forest industries. Forest Leaves 35(6): 1, 12-13. Nov./Dec. 1945. 99.8 F763
- 25186 GARCIA ESCUDERO, P. Nueva etapa. Montes 1: 261-271. Sept./Oct. 1945. 99.8 M763  
Escuela de Ingenieros de Montes founded 1848.
- 25187 HERRELLA Y ZOHEL, E. La Academia Forestal de Tharandt sirvió de modelo para la fundación de nuestra Escuela de Montes. Montes 1: 272-274. Sept./Oct. 1945. 99.8 M763
- 25188 HOLDSWORTH, R. P. Forestry at Shrivenerham American University. J. Forestry 44: 191-192. Mar. 1946. 99.8 F768
- 25189 ILEO SILVESTRE, A. Cómo fué posible que nacieran la Escuela y el Cuerpo de Montes? Montes 1: 304-310. Sept./Oct. 1945. 99.8 M763
- 25190 PIPAL, F. Junior foresters. Arborist's News 11: 17-20. Mar. 1946. 99.8 Ar14
- 25191 SEARS, W. R. Chinese technicians here to study lumber industry. West Coast Lumberman 73(2): 115. Feb. 1946. 99.81 W52

##### Forest Influences

- 25192 HÜTINGEN, G. R. Les kak gidrologicheski faktor [The forest as a hydrological factor]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Trud., No. 30, p. 109-128. 1945. Ref. 106 M852T  
In the conservation of soil moisture.
- 25193 GARMENDIA, J. O. Barreras forestales. Aberdeen Angus [Buenos Aires], No. 29, p. 43-48. Summer 1946. 43.8 Ab33
- 25194 MUNROE, G. Stream flow and ground water protection forests. Forestry Chron. 22: 32-35. Mar. 1946. 99.8 F7623

- 25195 RAWITSCHER, F. Florestas e chuvas. Chacaras e Quintais 71: 559-561. May 15, 1945. 9.2 C34

#### Wildlife

- 25196 HERBERT, P. A. Wildlife and forests. Wis. Conserv. B. 11(2): 14-17. Feb. 1946. 279.8 W752

#### ANIMAL INDUSTRY

##### BREEDS AND BREEDING

- 25197 BAROFFIO, A. A. Defectos hereditarios del ganado. Agrario 10(371): 33. Nov. 30, 1945. 9.3 Ag85
- 25198 DARNE, A. Artificial insemination as a means of livestock improvement. Rev. Agr. de l'île Maurice 24: 292-295. Nov./Dec. 1945. 24 M44
- 25199 ETIGNY, J. D'. Importancia economica de los híbridos. Aberdeen Angus [Buenos Aires], No. 29, p. 81-83, 85. Summer 1946. 43.8 Ab33  
In livestock.
- 25200 LASCELLES, H. R. What the college is doing with artificial insemination. Colo. Farm B. [Colo. Sta] 8(1): 15. Jan./Feb. 1946. 100 C71S
- 25201 MACGREGOR, H. Algumas normas sobre reprodução do gado. Agr. e Pecuária 16(271): 5-6. Nov. 1945. 9.2 Ag89
- 25202 SORIANI, E. La elección voluntaria y preconcepcional del sexo; caracteres de herencia en la especie humana y en los animales de pedigree. Chacra 16(184): 92-93. Feb. 1946. 9 C34

##### FEEDS AND FEEDING

- 25203 BABCOCK, H. E. Why hay? Country Gent. 116(4): 23, 86-87. Apr. 1946. 6 C833  
Use of grass silage.
- 25204 BIRATH, B. Kan avstängning från skogs-betet medföra oskäliga kostnader och olägenheter för en jordbruksfastighet? Svenska Val- och Mosskultur-för. Kvrtlskr. 7(1): 5-8. Mar. 1945. 11 Sv27  
Utilization of forest pastures in Sweden.
- 25205 BORG, J. Betesfoderenhettens värde under olika förhållanden. Svenska Val- och Mosskultur-för. Kvrtlskr. 7(1): 14-24. Mar. 1945. 11 Sv27  
Economic value of pasture feed unit.
- 25206 BURLEY, R. H. Save the hay, too, in threshing peanuts. Farmer-Stockman 59: 235. Apr. 1946. 6 Ok45
- 25207 C., MRS. O. Substitutes for proteins. Rural New-Yorker 105: 306. Apr. 6, 1946. 6 R88  
In livestock nutrition.
- 25208 DEKRING, F. Cotton is a feed crop. Farmer-Stockman 59: 57, 115-116. Feb. 1946. 6 Ok45
- 25209 EKELUND, S. Grönfoderensileringens utveckling. Sammanställning av litteraturen 1939-1944 (Contributions in making herbage silage. A review of the literature of the years 1939-1944). K. Lantbruksakad. Tidskr. 84: 407-429. 1945. 104 Sw3  
Ref., p. 429-434.
- 25210 FALCIONI, A. C. El agua en la ganadería. Agrario 10(374): 11. Jan. 31, 1946. 9.3 Ag85

- 25211 FOX, E. J., and others. Thermal defluorination of superphosphate. *Indus. and Engin. Chem., Indus. Ed.* 38: 329-334. Mar. 19, 1946. 381 J825  
W. L. Hill, K. D. Jacob, and D. S. Reynolds, joint authors.  
For feed.
- 25212 FRENCH, M. H. Composition and feeding values of green maize, millet and bulrush millet cut for soiling purposes. *East African Agr. J.* 11: 159-161. Jan. 1946. 24 Ea74
- 25213 HERNER, M. C. Minerals and trace minerals important in farm rations. *Canad. Grain J.* 1(8): 18. Mar. 1946. 59.8 C16
- 25214 HINCHY, V. Molasses as substitute for mealies in stock feed; a lesson from the 1945 drought. *So. African Sugar J.* 30: 81. Feb. 1946. 65.8 So8
- 25215 KERKHAM, R. K. The carrying capacity of pastures at Serere Experiment Station. *East African Agr. J.* 11: 170-172. Jan. 1946. 24 Ea74
- 25216 KUBES, V. Aplicación y dosificación de la sal común en los animales domésticos. *Rev. Pecuaria No.* 87, p. 22-23, 25-26. Dec. 1945. 49 R326
- 25217 LANDIS, J. Stand und aussichten in der silofrage. *Schweiz. Zentbl. f. Milchw.* 35: 45-46, 49-50. Mar. 8, 15, 1946. 44.8 Sch93  
Silage manufacture and policy in Switzerland.
- 25218 PADDOCK, A. Alimentación científica para animales. *Agrario* 10(374): 12. Jan. 31, 1946. 9.3 Ag85
- 25219 PRINCE, W. V., VOCHSTEDT, G., and RUPEL, W. El valor alimenticio del suero. Buenos Aires (Prov.). *Dir. de Ganad. B. de Ganad.* 1(12): 35-36. Sept./Oct. 1945. 49 B86
- 25220 ROSAGER, H. K. Egenskaber ved nogle af de indførte foderstoffer. *Andelsbladet* 47: 291-293. Mar. 7, 1946. 280.28 An2  
The nutritive value of some feedstuffs imported into Denmark.
- 25221 SCHUURMAN, G. J. Maintenance of stock in drought. *Farmer [Pietermaritzburg]* 34(52): 7. Dec. 28, 1945. 24 F227
- 25222 SHEPHERD, J. B. Putting up wilted grass silage. *Rural New-Yorker* 105: 302. Apr. 6, 1946. 6 R26
- 25223 TUSTIN, E. B., JR. Why livestock needs salt. *Furrow, Atlanta [Ed.]* 51: 4. Jan./Feb. 1946. 6 F98A
- 25224 WILSON, W. A. It's still the best feed. *Farm and Ranch* 65(4): 21. Apr. 1946. 6 T31  
Pasture.
- VETERINARY MEDICINE
- 25225 ANASTASIA, P. Normas correctas de sanidad animal. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 51. Feb. 14, 1946. 9.9 G15B  
Danger of disease transmission through transportation.
- 25226 ANASTASIA, P. La pústula maligna y el carbunclo animal. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 59. Feb. 21, 1946. 9.9 G15B
- 25227 BRITTON, J. W. Changes of the blood constituents in diseases of ruminants. *Cornell Vet.* 36 (1): 25-30. Jan. 1946. 41.8 C81
- 25228 CACERES Y MARTINEZ, A. R. Principales enfermedades del ganado. XII. Fomento [monthly] 2(24): 13-16. Oct. 1945. 8 F734
- 25229 CASSAMAGNAGHI, A. La vacuna Waldmann modificada por el Prof. Sylvio Torres; I-II. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 47, 54-55. Feb. 7, 14, 1946. 9.9 G15B
- 25230 DAVIDSON, J. L. The relationship of vitamin C to wound healing. *Vet. Med.* 41: 140-141. Apr. 1946. 41.8 M69
- 25231 ECHENIQUE, L. Contribución al estudio de la enfermedad del ganado que pasta en los avenales. I-II. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 47, 48, 52. Feb. 7, 14, 1946. 9.9 G15B
- 25232 FLORIAN MEJIA, I. Las purgas en veterinaria. Asoc. Colomb. de Ganad. B. Ganad. No. 16, p. 26-27. Nov./Dec. 1945. 43.9 As53  
Warning against patent remedies.
- 25233 FRONTINI, C. A. La tuberculosis eliminación de los animales enfermos. Buenos Aires (Prov.). *Dir. de Ganad. B. de Ganad.* 1(12): 103-104. Sept./Oct. 1945. 49 B86
- 25234 GEURDEN, L. Le traitement des coccidioses intestinales. *Parasitica* 1: 77-83. 1945. 410 P212  
In calves, rabbits and chicks.  
English summary.
- 25235 GROTH, A. H. Poisons that kill livestock. *Prog. Farmer, Ky.-Tenn.-W. Va. Ed.* 61(4): 19. Apr. 1946. 6 P945K
- 25236 GYGI, A. La maladie. *Terre d'Oc* 27: 369-371. Oct. 1945. 14 T27  
Disease control in livestock.
- 25237 HAMILTON, J. Research foundation tests streptomycin for livestock; new drug offers hope of a solution to many animal diseases. *Better Farming Methods* 18(4): 19, 38-39. Apr. 1946. 58.8 B46
- 25238 KUTZ, H. C. What the veterinary profession means to agriculture. *Hoard's Dairyman* 91: 314. Apr. 10, 1946. 44.8 H65
- 25239 MCCONNELL, W. C. Lightning stroke. *North Amer. Vet.* 27: 220-221. Apr. 1946. 41.8 N812
- 25240 MCCRILLIS, H. L. Some first-hand reports on the use of penicillin. *Fort Dodge Bio-chemic Rev.* 16(3): 12-13. Winter 1946. 41.8 F772
- 25241 MORINI, E. G. Algunas tenias de los animales domésticos que se transmiten al hombre. *Res* 14: 18557-18558. Jan. 5, 1946. 286.85 R31  
*Taenia saginata*, *T. Solium*, and *T. echinococcus*.
- 25242 NATIONAL LIVE STOCK LOSS PREVENTION BOARD. Annual report animal disease control and prevention of losses in live stock marketing in the great Northwest, 1945, 23 p. Sioux City, 1946? 280.3409 N21
- 25243 NORTHRUP, M. A. Transfusions. *North Amer. Vet.* 27: 226-229. Apr. 1946. 41.8 N812  
Blood transfusions in veterinary medicine.
- 25244 P., C. M. Como fazer sangrias. *Agr. e Pecuária* 16(271): 37. Nov. 1945. 9.2 Ag89  
In livestock.
- 25245 PRESSACQ, V. Tetano. *Aberdeen Angus [Buenos Aires], No.* 29, p. 33, 35-37. Summer 1946. 43.8 Ab33  
In livestock.
- 25246 PIROVANI, J. M. El tétano en los animales domésticos. Buenos Aires (Prov.). *Dir. de Ganad. B. de Ganad.* 1(12): 23-25. Sept./Oct. 1945. 49 B86
- 25247 PONCE DE LEÓN, J. V. La medicina veterinaria educación civil y rural. *Rincón Compesino* 6 (61/62): 38-39. Dec. 1945/Jan. 1946. 8 R47
- 25248 RITCHIE, J. N. Notes following a visit to U. S. A. and Canada, October, 1943-April, 1944. *Vet. Rec.* 58: 33-38. (To be cont.) Jan. 26, 1946. 41.8 V641
- 25249 SANDERSON, C. J. Johne's disease in stock is not common here; some symptoms. *Land [Sydney]* No. 1776, p. 18. Dec. 7, 1945. 23 L22
- 25250 SARWAR, M. M. Incidence of some nematodes of domestic ruminants in the Punjab and United Provinces, with a note of the morphology of *Trichuris globulosa* (V. Linstow). *Indian Acad. Sci. Proc. Sect. B* 22: 274-278. Nov. 1945. Ref. 513 In25B
- 25251 STEPHENS, J. L. Plant poisoning is avoidable. *Prog. Farmer, Ga.-Ala.-Fla. Ed.* 61(4): 24. Apr. 1946. 6 P945G



25252 TABOURY, M. M. F. Toxicologie du sélénium et de ses composés chez les animaux et les végétaux. Soc. de Chim. Biol. B. 27: 157-163. Apr./June 1945. 383 Sol

25253 THOMASSET, L. F. La preñez no daña y menos detiene el desarrollo normal de las añojas... la importancia de la precocidad en el crecimiento y la producción. Rev. Ganad. [Havana] 6(1): 26-27, 39. Jan. 1946. 8 R3292  
Livestock.

25254 TORRES, A. A. Tétano (divulgação). Rev. Ceres 6: 274-275. July/Aug. 1945. 9.2 C332

25255 VAN SOMEREN, V. D. A simple technique for the fixation and staining of Trichomonas in cultures and vaginal mucus. Vet. J. 102: 73-78. Mar. 1946. Ref. 41.8 V643

25256 VEERARAGHAVAN, N. Cultivation of a protozoal parasite of the central nervous system in vitro and its relationship to rabies. Indian J. Med. Res. 33: 285-293. Oct. 1945. 448.8 In22

25257 VEERARAGHAVAN, N. A rapid method for the diagnosis of rabies in animals. Indian J. Med. Res. 33: 295-297. Oct. 1945. 448.8 In22

25258 WADLEIGH, A. G. How your veterinarian can help you. San Luis Val. Farmer and Stockman 1(5): 16. Feb. 1946. 6 Sa52

25259 WOOLDRIDGE, W. R. Public relations and the veterinary profession. Vet. Rec. 58: 73-74. Feb. 16, 1946. 41.8 V641

#### MISCELLANEOUS

25260 BEALL, F. Spring livestock shows reflect progress in quality and type. Farmer-Stockman 59: 193, 251-252, 255. Apr. 1946. 6 Ok45

25261 BISSON, J. E. Les coopératives peuvent-elles prêter leur permis d'abattage? Terre de Chez Nous 18(23): 23. Mar. 6, 1946. 7 T27

25262 CAMACHO, R. R. Ganado fino en suelos pobres. Asoc. Colomb. de Ganad. B. Ganad. No. 16, p. 31-32. Nov./Dec. 1945. 43.9 Aa53  
Factors in producing fine livestock.

25263 DEVINE, W. J. B. The economic and public health advantages of centralized slaughtering. Vet. Rec. 58: 105-106. Mar. 9, 1946. 41.8 V641

25264 FEIJÓ, P. A. Índice valioso da evolução da pecuária em Pernambuco. Campo [Rio de Janeiro] 17(193): 28-32. Jan. 1946. 9.2 C15

25265 FRANK, S. Livestock photography. West. Livestock J. 24(22): 36-37. Mar. 1946. 6 F2278

25266 HILSTON, N. E. Wyoming University to have judging teams again. Wyo. Stockman-Farmer and Wyo. Indus. J. 52(3): 6. Mar. 1946. 6 W992  
Livestock shows.

25267 LARSEN, R. You can be next, unless... Oreg. Dept. Agr. Agr. B. No. 149, p. 26-27. Mar. 1, 1946. 2 Or3

Cooperation with inspectors to prevent livestock theft.

25268 MILLS, C. A. Los animales de granja en los tropicos. Aberdeen Angus [Buenos Aires], No. 29, p. 27-31. Summer 1946. 43.8 Ab33

25269 NELSON, R. K. Riding the range in eastern Oregon. Oreg. Dept. Agr. Agr. B. No. 149, p. 5-7. Mar. 1, 1946. 2 Or3

25270 WADLEIGH, A. G. Preventable losses in livestock. San Luis Val. Farmer and Stockman 1(2): 24. Nov. 1945. 6 Sa52  
Livestock care.

25271 WADLEIGH, A. G. Save young animals. San Luis Val. Farmer and Stockman 1(4): 22. Jan. 1946. 6 Sa52  
Spring care.

#### CATTLE

##### Breeds and Breeding

25272 EL ABERDEEN-Angus y el doble proposito, por El Tala. Aberdeen Angus [Buenos Aires], No. 29, p. 39-40. Summer 1946. 43.8 Ab33

25273 ANDREW, D. A. Where do we go from here? Canad. Cattlemen 8: 211-212. Mar. 1946. 49 C16  
Hereford breeding.

25274 ATHANASSOF, A. Sobre a origem provavel do gado Caracú. Soc. Coop. da Indus. Pecuaria do Pará. B. 13(57): 2-9, 10. July/Aug. 1945. 280.2409 Sol

25275 BESTUZHEV, A. G. Vyrashchivanie plemenno-go byka-proizvoditelja. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(151/152): 1-3. 1945. 49 Se4  
Raising of a pedigreed bull.

25276 BOWER, M. Young girl forms own Jersey stud; story of her experiences told. Primary Prod. [Sydney] 22, i. e. 23(52, i. e. 1): 13. Jan. 11, 1946. 23 P93

25277 BOWLES, N. C. Artificial breeding; for it! Or against it. West. Dairy J. 2(5): 17, 63-65. Mar. 1, 1946. 44.8 W524

Includes comments by W. A. Browne, C. W. Sherman, W. M. Regan, and E. E. Greenough.

25278 BUSQUET, E. G. La inseminación simple y doble en la fecundación de los bovinos. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 26-34. Sept./Oct. 1945. 49 B86

25279 CARLSON, W. Mankato [Minn.] goes the whole way. Holstein-Friesian World 43: 637. Mar. 16, 1946. 43.8 H742

25280 CASE, J. G. What's the cost of bull service? Successful Farming 44(4): 34, 141. Apr. 1946. 6 Su12

Comparison with artificial insemination.

25281 CHAPMAN, V. Trouble looms for purebred beefmen. West. Livestock J. 24(22): 35. Mar. 1946. 6 F2278

25282 COURT, C. T. Es floreciente la situación de la Hereford Herd Book Society de Gran Bretaña. Res 14: 18510. Jan. 5, 1946. 286.85 R31

25283 CRISSEY, A. N. Stroh of Hilltop and his Holsteins. New England Homestead 119(6): 6, 10, 31. Mar. 23, 1946. 6 N442

25284 CUSHMAN, C. G. Principles of dairy cattle breeding. Com. Fert. 72(2): 36, 45. Feb. 1946. 57.8 C73

25285 DAY, D. L. Breed popularity evident. Shorthorn World 31(1): 16. Mar. 10, 1946. 43.8 Sh8

25286 DURNO, J. W. Virtues of the Shorthorn as a crossing sire. Canad. Cattlemen 8: 232-233. Mar. 1946. 49 C16

25287 EDWARDS, G. What is a Guernsey? West. Dairy J. 2(6): 35-36, 39. Apr. 1, 1946. 44.8 W524  
History and origin of the breed.

25288 ERRO, F. E. Vacas lecheras; tipo local - su mejoramiento. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 85-88. Sept./Oct. 1945. 49 B86

Certain breeds and their adaptability to Argentina.

25289 GARCÍA, D. A. (HIJO). El "Holando Argentino" (en la 59 Exposición Canadiera de Palermo. Argentina. Dir. de Lechería. B. No. 16, p. 271-274, processed. Oct./Nov. 1945. 281.3449 Ar3

25290 GOROSHKO, A. E. Mofa rabota s korovami-metisami shortgornskoi porody. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(153/154): 1-4. 1945. 49 Se4  
Care of Shorthorn dairy cattle.

25291 GROVES, P. K. Pedigree problems; how breeders can help to speed applications for registration of their animals. Shorthorn World 31(1): 36. Mar. 10, 1946. 43.8 Sh8



- 25292 HIGGINS, L. A. Breed for good calves then raise them. Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 20, 73. Apr. 1946. 6 So81
- 25293 HUGHES, C. E. New hope for the shy breeder; ringer-glucose formula peps up and adds to life of sperm, creates more favorable environment for action. Successful Farming 44(4): 127, 144-145. Apr. 1946. 6 Sul2  
Cattle.
- 25294 KIRCHER, W. H. A tale of bulls and butterfat; superior sires in herd at Morris push per year average production from 340 to 465 pounds in 12 years. Farmer [St. Paul]. Gen. Ed. 64(3): 1, 12. Feb. 2, 1946. 6 F2211
- 25295 KONIRSE, W. Problems in breeding. Jersey B. 65: 397, 446, 448. Mar. 25, 1946. 43.8 J48
- 25296 LUACES AGUERO, J. L. Ganado Cebu. Rev. Canad. [Habana] 6(1): 63. Jan. 1946. 8 R3292
- 25297 LUSH, J. L. The show ring and animal breeding. Cattleman 32(10): 42, 44, 46, 114-115, 118, 120. Mar. 1946. 49 C29
- 25298 MCMUNN, E. W. New home for Northern Ohio [Cattle] Breeding Co-op. Ohio Farmer 197(6): 10-11. Mar. 16, 1946. 6 Oh3
- 25299 MARTIN, R. Eastern Oklahoma artificial insemination project successful. Farmer-Stockman 59: 79. Feb. 1946. 6 Ok45  
Cattle.
- 25300 MATTHEWS, C. C. Aberdeen-Angus, superior cattle. Canad. Cattleman 8: 192-193. Mar. 1946. 49 C16
- 25301 MILLEN, T. W. Training bulls for artificial insemination. Indian Farming 6: 522-523. Nov. 1945. 22 In283
- 25302 NIKOL'SKIY, A. V. Razdoi korov shvitakoi porody. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(114/116): 1-4. 1945. 49 Se4  
Milk production of Brown Swiss cows.
- 25303 ORTEGA PARIS, F. Selección de vacas Normandas de tipo lechero. Asoc. Colomb. de Ganad. B. Ganad. No. 15, p. 15-17. Sept./Oct. 1945. 43.9 As53
- 25304 PHILLIPS, R. W. A criação do gado Zebu nos climas quentes. Fazenda 41(1): 46-49. (To be cont.) Jan. 1946. 6 H11P
- 25305 REYNOLDS, J. South American voyage; a Wisconsin Holstein man tells of his trip to Colombia with a shipment of pure-bred Holsteins. Hoard's Dairyman 91: 288, 296. Apr. 10, 1946. 44.8 H65  
Includes discussion of Holstein cattle in South America.
- 25306 SEVERSON, A. "In the West the Blacks are best." West. Livestock Rptr. 6(26): 10. Feb. 27, 1946. 286.85 W523  
Popularity of Aberdeen-Angus cattle.
- 25307 TORRES, A. DI P. O Mocho precisa de propaganda. Soc. Coop. da Indús. Pecuaria do Pará. B. 13(57): 1, 2. July/Aug. 1945. 280.2409 Sol
- 25308 VAN DEVENTER, R. L. Xenia 2d nominated for "greatest dam." Jersey B. 65: 398. Mar. 25, 1946. 43.8 J48
- 25309 WILSON, H. E. Better beef cattle. Canad. Cattleman 8: 194-195. Mar. 1946. 49 C16
- Feeds and Feeding
- 25310 BLACKMAN, C. L., and JONES, E. It pays to feed cows an abundance of high quality forage as well as grain. Certified Milk 21(239): 8, 14. Mar. 1946. 44.8 C33
- 25311 CASTLE, C. V. Why feed grain to a cow? Calif. Dairyman 26(2): 14. Mar. 2, 1946. 44.8 C12
- 25312 DERBIN, L. A. Organizatsiia mezhkolkhoznnykh gurtov dlia nagula skota, otobranogo dlia miasopostavok. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(132/135): 3-4. 1945. 49 Se4  
Management of feeding of cattle herds selected for meat deliveries to the Government.
- 25313 ELLIOTT, J. A. Calf to the acre. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(4): 33. Apr. 1946. 6 P945G  
Feeding beef calves.
- 25314 GEDDES, H. J. A new era in dairy cow feeding. Live Stock B., Dec. 1, 1945, p. 22, 27. 23 F222  
Also in Austral. Dairy Rev. 14(1): 11-13. Jan. 22, 1946. 44.8 Au73
- 25315 GULLICKSON, T. W., and FITCH, J. B. Tests show young calves need butterfat. Minn. Farm and Home Sci. [Minn. Sta.] 3(2): 12-13. Feb. 20, 1946. 100 M688
- 25316 HOWE, P. E., HARSHAW, H. M., and WOODWARD, T. E. A melhoria da alimentação do gado. Agr. e Pecuaria 16(271): 25-29. Nov. 1945. 9.2 Ag89  
Cattle.
- 25317 KOTZÉ, J. J. Better use of veld and feed supplies. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 190, 2 p. Pretoria, 1946. 24 So82Pa  
For cattle.
- 25318 LAKE, E. Teaching the calf to drink. Family Herald and Weekly Star 77(6): 14. Feb. 6, 1946. 7 F21
- 25319 LLERAS, A. La producción de leche en la sabana de Bogotá. Agr. Trop. 2(1): 53-55. Feb. 1946. 26 Ag8  
This installment is on use of concentrated feeds.
- 25320 MCNISH, H. H. Permanent pasture experience in eastern Ontario. Objective was to provide one acre of good pasture per cow. Farmer's Advocate and Home Mag. 81: 208, 241. Mar. 28, 1946. 7 F22
- 25321 MOTT, C. C. Pastures make more beef. Successful Farming 44(4): 31, 74-76. Apr. 1946. 6 Sul2
- 25322 NEWELL, P. F. For beef cattle--pastures, forage, grain. Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 5. Apr. 1946. 6 So81
- 25323 ROGGI, C. A. Sal e agua na ração do gado leiteiro. Agr. e Pecuaria 16(272): 9, 10. Dec. 1945. 9.2 Ag89
- 25324 SACKVILLE, J. P. What about cover crop? (A report of three years' investigations). Canad. Cattleman 8: 186-187. Mar. 1946. 49 C16  
As pasturage for cattle.
- 25325 SANDHOUSE, H. A. Adjust herd to feed supply. Hoard's Dairyman 91: 106. Feb. 10, 1946. 44.8 H65
- 25326 SHAW, A. O. You can't starve profits out of them. New England Homestead 119(6): 12. Mar. 23, 1946. 6 N442  
Spring slump in milk production due to insufficient feeding of cattle.
- 25327 TOWLE, D. S. N. H. scientist makes progress in adapting wood protein for feed. New England Dairyman 30(3): 3. Mar. 1946. 44.8 N44  
Wood yeast protein as feed for dairy cattle.
- 25328 TURK, K. L. Making the change to pasture. Dairyman's League News 30(8): 8. Apr. 9, 1946. 44.8 D1432  
Contains discussion of pasture management.
- Veterinary Medicine
- 25329 ACOSTA, L. Breve comunicacion sobre tres casos de carbunclo sintomatico en bovinos adultos tratados con ácido fénico. Aberdeen Angus [Buenos Aires], No. 29, p. 15. Summer 1946. 43.8 Ab33



- 25330 ALLAM, M. W., and BECK, J. D. Meteorological hemoglobinuria in cattle. Pa. U. School Vet. Med. Vet. Ext. Q., No. 101, p. 26-28. Jan. 18, 1946. 41.9 P386
- 25331 ALMQUIST, E. W. Bang's disease and tuberculosis and the county veterinarian. Oreg. Dept. Agr. Agr. B. No. 149, p. 17-18. Mar. 1, 1946. 2 Or3  
In cattle.
- 25332 AMOS, A. Indigestion and scour in calves. Gt. Brit. Min. Agr. Agriculture 52: 535-536. Mar. 1946. 10 G79J
- 25333 ASCOTT, E. W. Chronic tympany of the rumen [in cattle]. Vet. Rec. 58: 39. Jan. 26, 1946. 41.8 V641
- 25334 BEALS, O. K. Bang's disease and the milk industry. Oreg. Dept. Agr. Agr. B. No. 149, p. 16-17. Mar. 1, 1946. 2 Or3
- 25335 BENNETT, C. F. Rabies in a heifer. Pa. U. School Vet. Med. Vet. Ext. Q., No. 101, p. 28-29. Jan. 18, 1946. 41.9 P386
- 25336 BOVINE contagious abortion. Gt. Brit. Min. Agr. and Fisheries. Advisory Leaflet, 93, 4 p. London, 1946. 10 G79La
- 25337 CABASSI, E. La brucelosis en el ganado. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1 (12): 105-110. (To be cont.) Sept./Oct. 1945. 49 B86
- 25338 CARVALHO E SILVA, O. M. DE. Vaca recém parida. Soc. Coop. da Indus. Pecuaria do Pará. B. 13(57): 18-19. July/Aug. 1945. 280.2409 Sol
- 25339 CASTELO, M. La "coccidiosis" (diarrea roja de los terneros). Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 62. Feb. 21, 1946. 9.9 G15B
- 25340 CASTELO, M. Higiene del tambo y sanidad del ganado lechero; las inflamaciones e infecciones de la ubre (mamitis mastitis). Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 38-39. Jan. 31, 1946. 9.9 G15B
- 25341 CASTELO, M. Osteomalacia (hipofosforosis "Mal de Paletas"). Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 52, 54. Feb. 14, 1946. 9.9 G15B
- 25342 CASTLE, C. V. Mastitis control [in cows]. West. Livestock J. 24(23): 9. Mar. 19, 1946. 6 F2278
- 25343 COMAR, C. L., DAVIS, G. K., and TAYLOR, R. F. Cobalt metabolism studies: radioactive cobalt procedures with rats and cattle. Arch. Biochem. 9: 149-158. Mar. 1946. 381 Ar2
- 25344 DERFLINGER, E. R. Range livestock sanitary problems. Oreg. Dept. Agr. Agr. B. No. 149, p. 18-21. Mar. 1, 1946. 2 Or3  
Disease control.
- 25345 EVANS, A. C. Types of streptococci associated with bovine mastitis followed by outbreaks of human disease. J. Infect. Dis. 78(1): 18-24. Jan./Feb. 1946. 448.8 J821
- 25346 FRENCH, M. H. Growth rates of hair on grade European and indigenous breeds of cattle. East. African Agr. J. 11: 181-183. Jan. 1946. 24 Ea74
- 25347 GEDDES, G. W. Treatment of cattle diseases. Family Herald and Weekly Star 77(5): 12. Jan. 30, 1946. 7 F21  
Report of address by L. A. Gendreau.
- 25348 GEORGES, R. On peut combattre la tuberculose bovine. Terre d'Oc 27: 415-417. Nov. 1945. 14 T27
- 25349 GORRIE, C. J. R. Calf diseases - pneumonia and paratyphoid infection. Stock and Land 35 (51): 3. Dec. 19, 1945. 49 St63
- 25350 HAGG, O. What Bang's and T. B. disease control means to the dairyman. Oreg. Dept. Agr. Agr. B. No. 149, p. 13-15. Mar. 1, 1946. 2 Or3
- 25351 HAYDEN, C. E., and others. The value of vitamin A therapy in cases diagnosed as ketosis in dairy cows. Cornell Vet. 36(1): 71-84. Jan. 1946. Ref. 41.8 C81  
M. G. Fincher, S. J. Roberts, W. J. Gibbons, and A. G. Danks, joint authors.
- 25352 JENSEN, G. W., JONES, F. C., and CARTER, R. M. Report of Special Committee on Brucellosis of Cattle, Illinois State Veterinary Medical Association. North Amer. Vet. 27: 222-225. Apr. 1946. 41.8 N812
- 25353 KLEIN, L. A. Treatment of agalactia in sterile cows and heifers by implantations of stilbestrol. Pa. U. School Vet. Med. Vet. Ext. Q., No. 101, p. 22-24. Jan. 18, 1946. 41.9 P386
- 25354 LLOYD, K. E. Operation for closed teat sphincter [in cow]. Vet. Med. 41: 146. Apr. 1946. 41.8 M69
- 25355 LOVE, C. A. Gastroenteritis due to drinking kerosene [by heifer]. Vet. Med. 41: 143. Apr. 1946. 41.8 M69
- 25356 MCCORNACK, R. C. Coccidiosis of cattle. Oreg. Dept. Agr. Agr. B. No. 149, p. 32-33. Mar. 1, 1946. 2 Or3
- 25357 MCCORNACK, R. C. Oregon's program to control Bang's and tuberculosis. Oreg. Dept. Agr. Agr. B. No. 149, p. 9-12. Mar. 1, 1946. 2 Or3  
In cattle.
- 25358 MECHANICS of digestion in the dairy cow. Board's Dairyman 91: 90, 96. Feb. 10, 1946. 44.8 H65  
Information based on address by J. P. La Master and article by R. C. Klussendorf.
- 25359 MORRISON, S. R. If Bangs disease in cattle is to be eradicated, adult vaccination is the answer. Polled Hereford Mag. 3(7): 11, 36-37. Mar. 1946. 49 P69
- 25360 MUTH, O. H. Problems in brucellosis control [in cattle]. Oreg. Dept. Agr. Agr. B. No. 149, p. 15-16. Mar. 1, 1946. 2 Or3
- 25361 NICHOLS, R. Transfusions save cow which got into nitrate of soda. Fort Dodge Bio-chemic Rev. 16(3): 12. Winter 1946. 41.8 F772
- 25362 PARENT, J. X. A practitioner's evaluation of modern therapy in the treatment, control and eradication of bovine mastitis. Vet. Med. 41: 137-139. Apr. 1946. 41.8 M69
- 25363 PESSACQ, V. Diarrea de los terneros mamones o neumoenteritis. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 10-11. Sept./Oct. 1945. 49 B86
- 25364 ROBERTS, S. J. Diaphragmatic hernia in the bovine. Cornell Vet. 36(1): 92-97. Jan. 1946. 41.8 C81
- 25365 SALABARRIA Y DE AGUIAR, J. Peligro de las hierbas nuevas; grass tetany (tetánea herbácea). Liborio 6(1): 6. Jan. 1946. 43.8 V41  
In cattle.
- 25366 SANDERSON, C. J. Stamping out T.B. in dairy cattle. Land [Sydney], No. 1777, p. 3. Dec. 14, 1945. 23 L22
- 25367 SHAW, J. C. Studies on ketosis in dairy cattle. VII-VIII. J. Dairy Sci. 29: 151-139, 151-155. Mar. 1946. 44.8 J822  
VII. The efficacy of B vitamins [thiamine] and methionine in the treatment of ketosis. VIII. Spontaneous recovery.
- 25368 SPRENT, J. F. A. Some observations on the incidence of bovine helminths in Plateau Province, Northern Nigeria. Vet. J. 102: 36-40. Feb. 1946. 41.8 V643
- 25369 STOUT, L. Cattle deaths puzzle vets. Family Herald and Weekly Star 77(5): 11. Jan. 30, 1946. 7 F21
- 25370 TOOP, C. R. Brucellosis (contagious abortion, Bang's disease) of cattle. West. Austral. Dept. Agr. J. 22: 239-247. Sept. 1945. 23 W52J



- 25371 WILSON, W. Surgical repair of teat lacerations [in cow]. Vet. Med. 41: 144-146. Apr. 1946. 41.8 M69
- 25372 WOODS, H. M. County courts' responsibility in control of Bang's and T. B. Oreg. Dept. Agr. Agr. B., No. 149, p. 12-13. Mar. 1, 1946. 2 Or3  
In cattle.
- 25373 X. Contagious abortion. Scot. Farmer 54: 377. Feb. 9, 1946. 10 Sco8  
In cattle.
- 25374 ZWEIF, J. Ps. pyocyanea [i. e. Pseudomonas aeruginosa] study in vitro and in vivo of the bactericidal and therapeutic properties of  $\alpha$ -oxyphenazine and a lipoidal product. Vet. J. 102: 55-70. Mar. 1946. Ref. 41.8 V643  
Tests of antibiotic properties against various bacteria pathogenic to cattle.
- Miscellaneous
- 25375 ALBAUGH, R. Monterey dairymen hold their heads high. West. Dairy J. 2(6): 23-25. Apr. 1, 1946. 44.8 W524  
Herd testing.
- 25376 BARTLETT, J. W. Handling heifers. Rural New Yorker 105: 291. Apr. 6, 1946. 6 R88
- 25377 BOWSTEAD, J. E. Money in the pail. Country Guide 65(3): 7, 48. Mar. 1946. 7 G76  
Milk and butterfat production and factors influencing them.
- 25378 BRANTON, C., and SALISBURY, G. W. The estimation of the weight of bulls from heart girth measurements. J. Dairy Sci. 29: 141-143. Mar. 1946. 44.8 J822
- 25379 CASTAGNET, A. D. La matanza de vacas y los problemas de post guerra. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 12-16. Sept./Oct. 1945. 49 B86
- 25380 CLARKE, E. Milking will never be the same. Co-op News 19(12): 5. Dec. 1945. 280.28 Co 7899
- 25381 CULLEY, J. 'Battle for beef'; how one college stock farm fought on the British wartime food front. West. Livestock J. 24(22): 108-109. Mar. 1946. 6 F2278  
Ampleforth College in Yorkshire.
- 25382 DOBRONRAVOVA, O. N. Nasha rabota po vyrashchivanii bestuzhevskogo skota. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(123/125): 1-3. 1945. 49 Se4  
Dairy cattle care on a farm in the Bashkir Republic.
- 25383 EASTERBROOK, L. F. Healthy cows and milk that will keep. Home Farmer 13(2): 17. Feb. 1946. 280.344 E75
- 25384 ELLBUSCH, C. E. Goats make fine foster mammals for calves on New Mexico ranch. Westerner 9(2): 56-57. Mar. 1946. 49 W522
- 25385 JOHNSON, S. Seasonal ups and downs in milk production--what can be done to level out supplies. C. M. P. A. Bul. 28(318): 6. Feb. 1946. 44.9 C768
- 25386 KINGSLEY, O. Herd management as the manager of Green Fields sees it. Jersey B. 65: 165, 203-205. Feb. 10, 1946. 43.8 J48
- 25387 KIRKHAM, N. K. Profitable production. West. Farm Leader 10: 402, 403. Dec. 7, 1. e. 21, 1945. 280.28 W52  
Testing milk cows.
- 25388 KLEMENT'EVA, A. M. Kak my vyrashchivayem plemennyykh teliat. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(156): 1-2. 1945. 49 Se4  
Raising calves.
- 25389 LLOYD, E. W. Brief revival of beef cattle trade. Field 187: 333. Mar. 23, 1946. 10 F45  
Shows and sales.
- 25390 MOON, H. Perils of Pauline had nothing on Marge. West. Dairy J. 2(6): 70-71. Apr. 1, 1946. 44.8 W524  
Milk production and breeding record of Fairland Marge Bonny.
- 25391 MORGAN, G. The how and why of brand recording plus a few notes on Oregon's oldest stock marks. Oreg. Dept. Agr. Agr. B. No. 149, p. 31-32. Mar. 1, 1946. 2 Or3  
Beef cattle.
- 25392 MURRAY, C. A., and ROMYN, A. E. Hand-rearing of dairy calves. Rhodesia Agr. J. 42: 531-537. Nov./Dec. 1945. 24 R34
- 25393 OKUTINA, E. Kak ia vyrashchivaiu teliat [How I raise calves]. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(158/159): 3-4. 1945. 49 Se4
- 25394 SAMPER, A. La hacienda "Ticha Muñoz Mariño" (Guachetá, Cundinamarca). Agr. Trop. 2(1): 57-61. Feb. 1946. 26 Ag8  
Description of a dairy farm.
- 25395 SANZ, D. L. Que influencia ha tenido la guerra sobre la matanza de novillos? Selec. Rurales 1(1): 16-19. July 1945. 9.9 Se4
- 25396 SHOLNIK, Y. Russians celebrate return of herds. Westerner 9(2): 52-53. Mar. 1946. 49 W522
- 25397 STEWART, J. H. Midwest herd classification. Holstein-Friesian World 43: 651. Mar. 16, 1946. 43.8 H742
- 25398 VOINOV, M. Kak my priuchaem volov k zapriazhke i ispol'zuem ikh v rabote. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(155): 1-2. 1945. 49 Se4  
Training and utilization of oxen in field work.
- 25399 W., H. Die verwendung von melkfett. Schweiz. Zentbl. f. Milchw. 35: 6, 7. Jan. 11, 1946. 44.8 Seh93  
Lubricants for use in milking.
- 25400 WILKINSON, J. F. She deserves it. Hoard's Dairyman 91: 263. Mar. 25, 1946. 44.8 H65  
Care of the cow during the dry period.
- 25401 ZEHNER, C. E. Three minute milking. Your Farm 4(5): 94-97. Mar. 1946. 6 Y8
- DOGS AND CATS
- Breeds and Breeding
- 25402 ENGLE, E. T. No seasonal breeding cycle in dogs. J. Mammal. 27: 79-81. Feb. 1946. 410 J823
- 25403 HALL, E. A. Collies in obedience. Collie Fancy 2(1): 9. Feb. 1946. 48.8 C69
- 25404 PICKHARDT, E. L. Smooth collies. Collie Fancy 2(1): 6. Feb. 1946. 48.8 C69
- 25405 EL POINTER; su cabeza y su posterior. By El Criador. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 83-84. Sept./Oct. 1945. 49 B86
- 25406 SMITH, A. C. Terriers that merit attention. Field 187: 340. Mar. 23, 1946. 10 F45
- Feeds and Feeding
- 25407 LA ALIMENTACIÓN de los gatos. Rev. Canad. [Habana] 6(1): 13, 49. Jan. 1946. 8 R3292
- 25408 STREEVER, F. Our hunting dogs; low-down on dog food. Hunting & Fishing 23(4): 56-57. Apr. 1946. 410 H922
- Veterinary Medicine
- 25409 COMBS, P. T., and STEIN, H. B. The successful repair of a diaphragmatic hernia in the dog. Cornell Vet. 36(1): 98-99. Jan. 1946. 41.8 C81
- 25410 IMMUNIZATION of dogs against distemper. By Philokoon. Farmer [Pietermaritzburg] 34(52): 6. Dec. 28, 1945. 24 F227



25411 JEPPESEN, Q. Streptococcic septicemia in a Greyhound. Vet. Med. 41: 143-144. Apr. 1946. 41.8 M69

25412 LENIZ, W. J. Suppuration of the anal pouches. Pa. U. School Vet. Med. Vet. Ext. Q., No. 101, p. 24-26. Jan. 18, 1946. 41.9 P386

25413 LEWIS, L. A. Changes that occur in plasma proteins during growth of the dog. J. Biol. Chem. 162: 473-476. Mar. 1946. 381 J824

25414 MARTIN, H. M. Tuberculosis in the dog. Pa. U. School Vet. Med. Vet. Ext. Q., No. 101, p. 19-22. Jan. 18, 1946. 41.9 P386

25415 SCHNELLE, G. B. Radiography of intestinal foreign bodies; report of two cases. North Amer. Vet. 27: 230-231. Apr. 1946. 41.8 N812  
Dog and cat.

25416 SCOTT, A. M. Tenorrhaphy in a Springer Spaniel. North Amer. Vet. 27: 231-232. Apr. 1946. 41.8 N812

25417 SMITH, A. C. Disquieting news about dis-temper. Field 187: 312. Mar. 16, 1946. 10 F45

25418 SMYTHE, R. H. Some further notes on the use of stilbestrol dipropionate in canine practice. Vet. Rec. 58: 75. Feb. 16, 1946. 41.8 V641

25419 STEPHENSON, H. G. Caudal anesthesia in small animals. North Amer. Vet. 27: 229. Apr. 1946. 41.8 N812  
Dogs and cats.

#### Miscellaneous

25420 HOWE, COUNTESS L. Do dogs think? Vet. J. 102: 79-80. Mar. 1946. 41.8 V643

25421 HUBBARD, C. L. B. Be firm, but patient. Smallholder 74(1879): 20. Mar. 22, 1946. 10 Sm1  
Training dogs.

25422 ZIMMERMAN, H. E. Guardian cats. Our Dumb Anim. 79: 54. Mar. 1946. 48.8 Ou7

#### HORSES AND MULES

##### Breeds and Breeding

25423 BELIAEV, F. V. Kak my boremsia za uvelichenie pogolov'ia loshadei. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(126/128): 1-4. 1945. 49 Se4  
Breeding and care of horses.

25424 CAMERON, D. E. Fireway and Melbourne; they gave western Canada its start in light horse breeding. Canad. Cattleman 8: 198-200, 229. Mar. 1946. 49 C16

25425 CANADIAN NATIONAL LIVE STOCK RECORDS. The Canadian Hackney stud book, v. 5, 1945, 31 p. Ottawa, 1945. 42.9 C162

25426 CULLEY, E. R. Continuing the argument on inbreeding; A response to A. S. Hewitt's criticism of the practice, with examples to match those cited by him. Thoroughbred Rec. 143: 530-531, 552. Mar. 30, 1946. 42.8 T39

25427 FRAME, D. G. The vanishing American line of Herod's male descendants. Thoroughbred Rec. 143: 572, 576. Apr. 6, 1946. 42.8 T39

25428 HARTUNG, A. M. Twigs from the horse family tree. Farm and Ranch 65 (4): 30-31. Apr. 1946. 6 T31

Horses, donkeys, mules, zebras.

25429 HEWITT, A. S. Another round in the inbreeding bout. Thoroughbred Rec. 143: 567. Apr. 6, 1946. 42.8 T39

25430 SUKHAR', E. Ot 20 kobyi -- 20 zherebiat [From 20 mares -- 20 foals]. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(145): 1-2. 1945. 49 Se4

25431 THOROUGHBRED BREEDERS' ASSOCIATION. Annual report 29, 1945, 11 p. London, 1946? 42.9 T39A

25432 WIDENER, P. A. B. Elmendorf's influence on U. S. breeding. Thoroughbred Rec. 143: 569, 579. Apr. 6, 1946. 42.8 T39  
Elmendorf Farm.

#### Feeds and Feeding

25433 BRANCO, L. Observações sobre a alimentação dos cavalos. Agr. e Pecuaria 16(272): 22-24. Dec. 1945. 9.2 Ag89

25434 MACEWAN, J. W. G. Feeding saddle horses. Canad. Cattleman 8: 201-202. Mar. 1946. 49 C16

#### Veterinary Medicine

25435 BERTHELOU, M., and JUTEAU, J. Variations du pH vaginal au cours du cycle oestral chez la jument. Soc. de Biol. Compt. Rend. 139: 459-462. May 1945. 442.9 P21

25436 BESTERRECHEA, L. DE. La durina o mal del coito de los equinos. Rev. Pecuaria No. 87, p. 16-18. Dec. 1945. 49 R326

25437 CASÓS, G. A. Enfermedad de los rastrojos. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1 (12): 52-54. Sept./Oct. 1945. 49 B86

Describing a disease in horses poisoned by feeding on stubble parasitized by fungi.

25438 CLER, G. O. Retracción de los tendones; su herraje. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 44-46. Sept./Oct. 1945. 49 B86  
Of horses.

25439 GADD, J. D. The future of surgery on the horse. North Amer. Vet. 27: 217-219. Apr. 1946. 41.8 N812

25440 GOETSCH, G. D. Homoplastic osteoma of frontal bone of mule. Vet. Med. 41: 142. Apr. 1946. 41.8 M69

25441 GORRIE, C. J. R. Red worms [strongyls] in horses controlled by combined methods. Stock and Land 36(3): 3. Jan. 16, 1946. 49 St63

25442 KELSER, R. A. Preventing and controlling disease among horses and mules. Horse and Mule Assoc. Amer. Book [i. e. Leaflet] 287, 15 p. Chicago, 1946. 42.9 H782

25443 MOTT, L. O., STEIN, C. D., and HEISHMAN, J. O. Penicillin treatment of acute equine infectious anemia. Vet. Med. 41: 131-136. Apr. 1946. Ref. 41.8 M69

25444 PEREZ VIGUERAS, I., and MARTÍNEZ PEREZ VENTO, R. La "jisa," "llaga de verano" o "habronemosis cutánea." Cuba. Min. de Agr. Almanaque (1946) 2: 68-80. 8 C896  
Caused by Habronema muscae.

25445 RIEGG, A. Squamous cell carcinoma involving the facial sinuses and air passages in a horse. Vet. Med. 41: 142-143. Apr. 1946. 41.8 M69

25446 ROSSOFF, I. The lymphatic circulation of the hind limbs of the horse. Cornell Vet. 36(1): 51-66. Jan. 1946. Ref. 41.8 C81

25447 SHARPE, E. The Mocard routine in foaling Thoroughbreds; certain precautions are advisable to prevent fatal navel infections. Thoroughbred Rec. 143: 538, 545. Mar. 30, 1946. 42.8 T39

25448 SPEED, J. G., and MORRIS, P. G. D. The adrenals of the horse. Vet. J. 102: 27-35. Feb. 1946. 41.8 V643

25449 WRIGHT, J. G. The surgical treatment of buritis of the equine poll and withers. Vet. Rec. 58: 93-97. Mar. 2, 1946. 41.8 V641

#### Miscellaneous

25450 CIMORRA, C. El caballo en la historia y el progreso. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 59-60. Dec. 1945. 8 R3291

- 25451 DOROFFEV, V. Vyrashchivanie i trenirovaniye russkogo rysaka. Sel'so (Ser. Kolkhoz. Zhivotn.) 14 (117/119): 1-4. 1945. 49 Se4  
Raising and training of trotting horses.
- 25452 DUCK, R. W. Back in the harness again. Rural New-Yorker 105: 294, 300. Apr. 6, 1946. 6 R88  
Care of the farm working horse.
- 25453 ECHENIQUE FILHO, G. Cavalos das Américas. Assoc. dos Criadores de Cavalos Criculos. An. 11(13): 10-17. July 1945. 42.9 As7
- 25454 FOSTER, W. S. They can't catch a calf. Farm and Ranch 65(4): 14-15. Apr. 1946. 6 T31  
El Paso Riding and Driving Club.
- 25455 GERBEX, R. F. El valor del caballo. Asoc. Argentina de Fomento Equino. [Rev.] 5(31): 27-28. Nov./Dec. 1945. 42.9 As52
- 25456 HANSEN, H. Fraestationsprøver for heste. Tidsskr. for Landøkonomi, No. 2, p. 130-132. Feb. 1946. 11 T43  
Strength tests for draught horses in Denmark.
- 25457 HUDSON, R. S., and GOOD, B. Factors affecting farm horse power. Mich. Agr. Expt. Sta. Q. B. 28: 208-215. Feb. 1946. 100 M58S  
Care of colts.
- 25458 SHUGAIPOVA, SH. Ot 415 konematok 413 zhe-rebiat (413 foals from 415 mares). Sel'so (Ser. Kolkhoz. Zhivotn.) 14(140/143): 1-4. 1945. 49 Se4  
Raising horses by the herd method.
- 25459 SPURCK, W. Keep it a sport! Reforms urged for horse show judging, exhibition. West. Livestock J. 24(22): 116-117. Mar. 1946. 6 F2278
- POULTRY
- Breeds and Breeding
- 25460 ARARIPE, R. DE A. A Prefeitura Municipal da Capital do Estado do Ceará oferece a todas pre-feituras do Brasil um empolgante exemplo avícola. Chacaras e Quintais 73(1): 87-89. Jan. 15, 1946. 9.2 C34  
Describes poultry breeds kept at a model aviary.
- 25461 BALL, R. F. The relationship of iris color to mortality and egg production in Single Comb White Leghorns. Poultry Sci. 25: 104-114. Mar. 1946. Ref. 47.8 Am33P
- 25462 BYERLY, T. C. The Chicken of Tomorrow. New England Homestead 119(6): 28-29. Mar. 23, 1946. 6 N442  
A program to breed a superior meat-type chicken.
- 25463 C., H. Cockerel waste. Mod. Poultry Keeping 54: 255. Mar. 27, 1946. 47.8 Eg3
- 25464 CLEGG, A. E 160 from 8 real Aylesburys. Poultry Farmer [London] 114(2958): 4. Mar. 1, 1946. 47.8 F312
- 25465 COAD, W. H. Breeders may have "failed," but for a very good reason. Mod. Poultry Keeping 54: 194-195. Mar. 6, 1946. 47.8 Eg3
- 25466 GALERO, A. M. La fecundación artificial en las gallináceas. Ingen. Agron. 7: 57-78. Apr./June 1945. Ref. 9 In4
- 25467 GODFREY, A. B. Value of the sisters' performance in selecting breeding cockerels. Poultry Sci. 25: 148-156. Mar. 1946. 47.8 Am33P
- 25468 GREENWOOD, A. W. Building productivity and stamina in the poultry flocks. Mod. Poultry Keeping 54: 214-215. Mar. 13, 1946. 47.8 Eg3
- 25469 GUICHARD ARBURN, A. Características generales de las razas productoras de huevos. Liborio 6(1): 7. Jan. 1946. 43.8 V41  
Leghorn and Minorca.
- 25470 HOWES, H. The problem: excessive broodiness; the solution: selective breeding. Smallholder 74(1876): 14. Mar. 1, 1946. 10 Sml
- 25471 HUTT, F. B. "Double shift" reveals superior sires. N. H. Breeder 9(1): 12. Mar. 1946. 47.8 N45
- 25472 HUTTON, J. Balancing the breeding pen. Poultry [London] 98: 156. Mar. 5, 1946. 47.8 P869
- 25473 HUTTON, J. Neck moulting in Bantam pullets. Poultry [London] 98: 92. Feb. 5, 1946. 47.8 P869
- 25474 JERSEY Black Giants. Poultry Tribune 52 (1): 4-5. Jan. 1946. 47.8 P8642  
Colored plate, p. 4.
- 25475 LORENZ, F. W., and LERNER, I. M. Inheritance of sexual maturity in male chickens and turkeys. Poultry Sci. 25: 188-189. Mar. 1946. 47.8 Am33P
- 25476 MANN, D. Who controls your chick breeding? Kans. Farmer 83(3): 3, 20. Feb. 2, 1946. 6 K13
- 25477 MAW, W. A. The future of meat poultry; what sort of bird will best meet the needs, and how can it be produced? Here's what an authority says about it. Family Herald and Weekly Star 77(3): 8-9. Jan. 16, 1946. 7 F21  
Breeding types.
- 25478 PULGAR, J. Para formar boas famílias de altas poedeiras; porque se deve selecionar o galo. Agr. e Pecuaria 16(272): 45-46. Dec. 1945. 9.2 Ag89
- 25479 STURKIE, P. D. The production of twins in Gallus domesticus. J. Expt. Zool. 101: 51-63. Feb. 1946. Ref. 410 J825
- 25480 TURKEY-HEN hybrid produced. Poultry [London] 98: 97. Feb. 12, 1946. 47.8 P869
- 25481 WATANABE, Y. Pullet breeding: a summing up. Mod. Poultry Keeping 54: 234-235. Mar. 20, 1946. 47.8 Eg3
- Feeds and Feeding
- 25482 ALEXANDER, A. K. S. Chicks need grain. Farmer & Stock-Breeder 60: 228. Jan. 29, 1946. 10 F228
- 25483 ANDREWS, F. N., and SCHNETZLER, E. E. Influence of thiouracil on growth and fattening in broilers. Poultry Sci. 25: 124-129. Mar. 1946. Ref. 47.8 Am33P
- 25484 B., M. Little water; no eggs; watering equipment helps the flock. Wallaces' Farmer 71: 353. Apr. 6, 1946. 6 W15
- 25485 BIRD, H. R. Today's experiments and tomorrow's feeds. Poultry Comment 3(1): 1, 3. Feb. 1946. 47.8 D92
- 25486 BOLIN, D. W., and others. Chick growth response resulting from methionine additions to various protein supplements with pea protein. Poultry Sci. 25: 157-161. Mar. 1946. 47.8 Am33P  
C. F. Petersen, C. E. Lampman, and O. E. Stamberg, joint authors.
- 25487 BROOMHEAD, W. W. Unrationed food for chicks. Poultry [London] 98: 152. Mar. 5, 1946. 47.8 P869
- 25488 CARTLEDGE, W. J. Great influence of vitamins on future stamina of our poultry flocks. Farmer & Settler 40(46): 6. Dec. 14, 1945. 23 F226
- 25489 CASSAMAGNAGHI, F. Importantes aspectos que presenta el problema de la alimentación avícola. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 12. Jan. 10, 1946. 9.9 G15B
- 25490 CLINE, L. E. Protein feed use restricted. Norbest Turkey News 10(8): 1, 6-7. Feb. 1946. 47.38 N75
- 25491 COOK, J. E. Feed made the difference. Successful Farming 44(4): 126-129, 136. Apr. 1946. 6 Su12  
Poultry.



25492 CRAVENS, W. W., HALPIN, J. G., and MCGIBBON, W. H. The use of various vitamin supplements in rations for laying and breeding hens. Poultry Sci. 25: 99-104. Mar. 1946. 47.8 Am33P

25493 DALTON, R. F. Rations cut, so back again to substitute feeding. Mod. Poultry Keeping 54: 194-195. Mar. 6, 1946. 47.8 Eg3

25494 DONNET, T. Nociones generales para la alimentación de las palomas. Chacra 16(184): 48-49. Feb. 1946. 9 C34

25495 HAYES, J. B. Hay for hens and pastures for pullets. Hoard's Dairymen 91: 250. Mar. 25, 1946. 44.8 H65

25496 HEUSER, G. F., and NORRIS, L. C. Oyster shells, calcite grit, ground limestone, and granite grit in rations for hens. Poultry Sci. 25: 173-179. Mar. 1946. Ref. 47.8 Am33P

25497 HEUSER, G. F., NORRIS, L. C., and MCGINNIS, J. Vegetable protein concentrates fed alone and in combination with soybean oil meal and fish meal as the chief supplementary protein in chick starting rations. Poultry Sci. 25: 130-136. Mar. 1946. Ref. 47.8 Am33P

25498 HOWES, H. Food for turkeys. Mod. Poultry Keeping 53: 262. Oct. 10, 1945. 47.8 Eg3

25499 JEFFERSON, E. J. Research station studies mung bean for poultry feed. Agr. Leaders' Digest 27(3): 36. Mar. 1946. 275.28 Am3

Carver Research Laboratory and Experiment Station.

25500 L., L. Hens like alfalfa. Wis. Agr. and Farmer 73(6): 26. Mar. 16, 1946. 6 W751

25501 LUCAS, H. L., HEUSER, G. F., and NORRIS, L. C. An unexpected high requirement of chicks for pyridoxine. Poultry Sci. 25: 137-142. Mar. 1946. Ref. 47.8 Am33P

25502 MCNEILL, F. L. Hens and chicks need the same feed. Canada Poultryman 33(1, i. e. 2): 20-22. Feb. 1946. 47.8 C166

25503 MOORE, A. C. What about the future now? Poultry [London] 98: 134. Feb. 26, 1946. 47.8 P869

Great Britain cuts ration.

25504 O'NEIL, J. B. The effect of sudden changes of feed upon production. Poultry Sci. 25: 83-85. Jan. 1946. 47.8 Am33P

25505 O'NEIL, J. B. Feeding poultry for profit. Canad. Poultry Rev. 70(3): 27, 29-30, 32. Mar. 1946. 47.8 C16

25506 PARKHURST, R. T., and KUZMESKI, J. W. Supplements for distillers' by-products in poultry breeding diets. Poultry Sci. 25: 162-172. Mar. 1946. Ref. 47.8 Am33P

25507 PETERING, H. G., and others. A study of the requirements of White Leghorn chicks for new and unidentified members of the vitamin B complex. J. Biol. Chem. 162: 477-489. Mar. 1946. 381 J824

J. P. Marvel, C. E. Glauser, Jr., and J. Waddell, joint authors.

25508 SPARLINI, I. R. The nutrition of turkeys. Canad. Poultry Rev. 70(3): 34-36. (Concl.) Mar. 1946. 47.8 C16

25509 TELLEEN, C. L. Feed deficiencies of poultry. Fort Dodge Bio-chem. Rev. 16(3): 3-5, 21. Winter 1946. 41.8 P772

25510 TURNER, C. W. Effect of rape seed on the thyroid of the chick. Poultry Sci. 25: 186-187. Mar. 1946. 47.8 Am33P

25511 VANDERVOORT, J. Grass cuts the cost. N. H. Breeder 9(1): 7-8. Mar. 1946. 47.8 N45

In poultry feeding.

25512 WARE, H. G. Chickens need green feeds. Farmer-Stockman 59: 229. Apr. 1946. 6 Ok45

25513 WATCH the birds while they eat; first step in calculating food quantities, says Domesticus. Mod. Poultry Keeping 53: 258. Oct. 10, 1945. 47.8 Eg3

25514 WHITSON, D., TITUS, H. W., and BIRD, H. R. The effect of feeding cow manure on egg production and hatchability. Poultry Sci. 25: 143-147. Mar. 1946. 47.8 Am33P

25515 WORTHINGTON, J. Observations on grass choice. Poultry Farmer [London] 114(2959): 6. Mar. 8, 1946. 47.8 F312

#### Veterinary Medicine

25516 BALL, R. F. A histopathological study of depigmented irises from Single Comb White Leghorns. Cornell Vet. 36(1): 31-40. Jan. 1946. 41.8 C81

25517 BLACK, D. J. G., and BOOTH, R. G. Capon production by the use of synthetic oestrogen (stilboestrol). Vet. J. 102: 41-44. Feb. 1946. 41.8 V643

25518 CHARLES, T. B. In the hormone field. New England Homestead 119(4): 16. Feb. 23, 1946. 6 N442

Effects on poultry.

25519 CHARLES, T. B. Sanitation and disease control. Rural New-Yorker 105: 305. Apr. 6, 1946. 6 R88

Poultry.

25520 DALLING, T. New light on disease control. Poultry [London] 98: 86; 106. (Cont.) Feb. 5, 12, 1946. 47.8 P869

25521 FULTON, J. S. Keeping disease out of the [poultry] flock. Family Herald and Weekly Star 77(3): 4. Jan. 16, 1946. 7 F21

25522 GAUGER, H. C., and GREAVES, R. E. Bacteriological examination of shells and contents of eggs laid by turkeys naturally or artificially infected with Salmonella typhimurium. Poultry Sci. 25: 119-123. Mar. 1946. 47.8 Am33P

25523 GIBBONS, N. E., and MOORE, R. L. A note on artificially infected fowl as carriers of Salmonella. Poultry Sci. 25: 115-118. Mar. 1946. Ref. 47.8 Am33P

25524 GORRIE, C. J. R. These three different diseases [fowl pox, laryngotracheitis and avitaminosis] cause roup in fowls. Stock and Land 36(2): 3. Jan. 9, 1946. 49 St63

25525 HASHEMI, Z. A. Tuberculosis in fowls. Indian Farming 6: 514-515. Nov. 1945. 22 In283

25526 HAWKINS, P. A., and RAUSCH, R. Sodium sulfamerazine in the treatment of cecal coccidiosis. Poultry Sci. 25: 184-185. Mar. 1946. 47.8 Am33P

25527 HINSHAW, W. R., and MCNEIL, E. Experiments in the use of sulfathiazole for turkeys. Cornell Vet. 36(1): 66-70. Jan. 1946. 41.8 C81

25528 HURST, H. Current topics. Utah Poultry Co-op. 10(3): 8, 13. Nov. 1945. 280.28 Utl

Treatment of colds in poultry.

25529 JOHNSON, M. G. Keeping pullorum under control. Family Herald and Weekly Star 77(4): 11. Jan. 23, 1946. 7 F21

25530 LANDAUER, W., and LANG, E. H. Insulin-induced rumpleness of chickens. II. Experiments with inactivated and reactivated insulin. J. Expt. Zool. 101: 41-50. Feb. 1946. 410 J825

25531 LIKERMAN, J. E. El moquillo de las aves. Buenos Aires (Prov.). Dir. de Canad. B. de Canad. 1(12): 47-49. Sept./Oct. 1945. 49 B86

25532 LODGE, C. Preventing dead in shell. Poultry Farmer [London] 114(2959): 8. Mar. 8, 1946. 47.8 F312

25533 MCCOY, R. H., FELTON, J. R., and HOFMANN, K. Biological activity of oxybiotin in the chick. Arch. Biochem. 9: 141-147. Mar. 1946. 381 Ar2

25534 NALBANDOV, A. V., and CARD, L. E. Effect of FSH and LH upon the ovaries of immature chicks and low-producing hens. Endocrinology 38: 71-78. Feb. 1946. 448.8 En2

Gonadotropins and egg production.



25535 NEHER, B. H., and FRAPS, R. M. Fertility and hatchability of the prematurely ovulated hen's egg. *J. Expt. Zool.* 101: 83-89. Feb. 1946. 410 J825

25536 OLSON, C., JR. Immunization against a lymphoid tumor of the chicken. III Attenuation by heat, drying and chemicals. *Cornell Vet.* 36(1): 41-47. Jan. 1946. 41.8 C81

25537 SILVEIRA, E. DE F. Coccidiosis. *Chacaras e Quintais* 73(1): 33-34. Jan. 15, 1946. 9.2 C34 In poultry.

25538 SIMONPIETRI, R. H. Cólera. *Chacra* 16 (184): 46-47. Feb. 1946. 9 C34 In poultry.

25539 SIMONPIETRI, R. H. Neurolymphomatosis. *Agrario* 10(374): 3. Jan. 31, 1946. 9.3 Ag85 In Poultry.

25540 TOMEY, A. F. BWD as the poultryman sees it. *Poultry Farmer* [London] 114(2958): 8-9. Mar. 1, 1946. 47.8 F312

#### Miscellaneous

25541 ASMUNDSON, V. S. Demonstration. *South. Calif. Rancher* 11(4): 27. Apr. 1946. 6 So831 Tests for increased turkey egg production under artificial lighting.

25542 B., M. Dry litter saves work; wet weather shows value of ventilation. *Wallaces' Farmer* 71: 348. Apr. 6, 1946. 6 W15

25543 BEESON, F. W. Things that are important to your chicks. *Canada Poultryman* 33(1, i. e. 2): 11-12. Feb. 1946. 47.8 C166

25544 BROOMHEAD, W. W. Artificial turkey rearing. *Poultry* [London] 98: 88, 89. Feb. 5, 1946. 47.8 P869

25545 BROOMHEAD, W. W. Dealing with erratic layers. *Poultry* [London] 98: 136-137. Feb. 26, 1946. 47.8 P869

25546 BROOMHEAD, W. W. Rearing chickens in a garden. *Poultry* [London] 98: 104. Feb. 12, 1946. 47.8 P869

25547 BROOMHEAD, W. W. Starting up with a few pullets. *Poultry* [London] 98: 168. Mar. 12, 1946. 47.8 P869

25548 C., O. Be ready for chicks; planning ahead gets best results. *Wallaces' Farmer* 71: 351. Apr. 6, 1946. 6 W15

25549 CARPENTER, A. W. Let's modernize our poultry shows! *Poultry Tribune* 52(1): 20, 52. Jan. 1946. 47.8 P8642

25550 CARPENTER, A. W. Modern approach to shows. *Canada Poultryman* 33(1, i. e. 2): 15-16. Feb. 1946. 47.8 C166

25551 CHISWELL, S. No casualty system. *Poultry Farmer* [London] 114(2958): 3. Mar. 1, 1946. 47.8 F312

25552 CLARK, F. L. Sun porch for turkeys. *Wis. Agr. and Farmer* 73(6): 30. Mar. 16, 1946. 6 W751

25553 COLLINSON, H. An all-in-one system for rearing chicks. *Mod. Poultry Keeping* 54: 254-255. Mar. 27, 1946. 47.8 Eg3

25554 COLLINSON, H. Cornwall's garden breeding station. *Mod. Poultry Keeping* 53: 262-263. Oct. 10, 1945. 47.8 Eg3

Description of a poultry farm.

25555 COLLINSON, H. Night ark efficiency; some criticism [in chick care]. *Mod. Poultry Keeping* 54: 237. Mar. 20, 1946. 47.8 Eg3

25556 CONN, G. H. Ready when chicks arrive. *Wis. Agr. and Farmer* 73(5): 28. Mar. 16, 1946. 6 W751

25557 COOKE, C. Hold that poultry profit line; better flock care will help maintain profits when prices decline. *Business of Farming* 4(7): 7. Dec. 1945. 6 B96

25558 DOMESTIC chicks out of doors. By Domesticus. *Mod. Poultry Keeping* 54: 230. Mar. 20, 1946. 47.8 Eg3

25559 DUCK eggs under broodies; Domesticus gives some useful advice. *Mod. Poultry Keeping* 54: 210. Mar. 13, 1946. 47.8 Eg3

25560 DUMONT, H. La cria y explotación aves. Paraguay. Min. de Agr. Cartilla Agropecuaria No. 81/83, p. 4-7. July/Sept. 1945. 9.7 Ec72

25561 FARNSWORTH, MRS. H. Hold down chick expense. *Mo. Ruralist* 87(6): 22. Mar. 23, 1946. 6 R8891

25562 FISHER, W. Hen hatching. *Poultry* [London] 98: 137. Feb. 26, 1946. 47.8 P869

25563 FLOREA, J. E. The Hinckleys found happiness with poultry; former newspaper delivery man builds successful one-man farm. *Poultry Tribune* 52(1): 15, 18. Jan. 1946. 47.8 P8642

25564 FRAZIER, F. W. Overlook no detail in care of poults. *Wash. Farmer* 71, i. e. 81: 125, 152. Mar. 7, 1946. 6 R151

25565 GODFREY, A. M. Yorkshire birds finish well. *Mod. Poultry Keeping* 53: 261. Oct. 10, 1945. 47.8 Eg3

25566 GOLUBEVA, Polevov soderzhanie domashnei ptitsy. *Sel'so* (Ser. Kolkhoz. Zhivotn.) 14(123/125): 4. 1945. 49 S44

Field raising of chickens.

25567 GORDON, M. D. Value of egg-testing. *Field* 187: 340. Mar. 23, 1946. 10 F45

25568 GRANGE, C. Broodiness is costing us too many eggs. *Smallholder* 74(1879): 14. Mar. 22, 1946. 10 Sml

25569 GOSSMAN, S. S., and BEARSE, G. E. Annual report, U. S. R. O. P. flocks for 1944 and 1945; records show some of world's finest poultry from Washington. *Washcoegg* 23(10): 40, 62. Mar. 1946. 47.8 W27

25570 GRANGE, C. Give batteries full thought when considering future plans. *Smallholder* 74(1877): 14. Mar. 8, 1946. 10 Sml

Poultry system.

25571 GUEL, A. M. What "hen pecked" means; knowing about it may boost output of eggs. *Mo. Ruralist* 87(6): 8. Mar. 23, 1946. 6 R8891

25572 HALL, B. J. More and better turkey eggs. *Pacific Rural Press, South. Ed.* 151: 139. Feb. 16, 1946. 6 P112A

25573 HEAD, R. Pointers in managing a spring poultry flock. *Prod.-Consum.* 11(7, i. e. 8): 7. Feb. 1946. 280.28 P942

25574 HENSTOCK, W. Two eggs for customers every week. *Poultry Farmer* [London] 114(2959): 9. Mar. 8, 1946. 47.8 F312

25575 HOCKIN, S. Reasons for fall moult of poultry. *Family Herald and Weekly Star* 77(3): 12. Jan. 16, 1946. 7 F21

25576 HORSFALL, T. H. S. Turkey production is profitable. *Poultry* [London] 98: 105. Feb. 12, 1946. 47.8 P869

Methods of care described.

25577 HOWES, H. Duckling care. *Mod. Poultry Keeping* 54: 198. Mar. 6, 1946. 47.8 Eg3

25578 HOWES, H. Housing turkey chicks. *Mod. Poultry Keeping* 54: 235. Mar. 20, 1946. 47.8 Eg3

Chiefly concerning the confinement system.

25579 HOWES, H. Incubating the goose eggs. *Mod. Poultry Keeping* 54: 254. Mar. 27, 1946. 47.8 Eg3

25580 INTERNATIONAL BABY CHICK ASSOCIATION. Who's who in the hatchery world and year book for 1946. Ed. 12, 456 p. Kansas City, Mo., 1946. 47.9 In83

25581 JAAP, R. G. Sex identification in baby chicks of "red" varieties. *Poultry Sci.* 25: 185-186. Mar. 1946. 47.8 An33P



25582 JOHNSTON, M. G. Keep chicks from picking. Family Herald and Weekly Star 77(3): 12. Jan. 16, 1946. 7 F21

25583 KENNEY, S. M. Chicks in the spring. Rural New-Yorker 105: 309. Apr. 6, 1946. 6 R88 Care.

25584 LODGE, C. What to do when chicks arrive. Poultry Farmer [London] 114(2958): 8. Mar. 1, 1946. 47.8 F312

25585 MACARTEUR, J. W., and MACILRAITH, J. J. Color sexing of day-old Brown Leghorns. Poultry Sci. 25: 180-183. Mar. 1946. 47.8 Am33P

25586 MAKRINOV, A. N. Polevov soderzhanie kur. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(144): 1-2. 1945. 49 Se4

Field raising of chickens helped in pest control.

25587 MEHRHOF, N. R. Lights effect egg production. Fla. Grower 54(2): 18. Feb. 1946. 80 P6622

25588 MOORE, A. C. I am rearing on new lays this year. Poultry [London] 98: 86. Feb. 5, 1946. 47.8 P869

25589 MOORE, A. C. Rearing houses of the future. Poultry [London] 98: 102. Feb. 12, 1946. 47.8 P869 Concerning different systems for rearing chicks.

25590 MOORE, A. C. Turkeys for next Christmas. Poultry [London] 98: 150. Mar. 5, 1946. 47.8 P869 Their care.

25591 MOORE, A. C. What to do with surplus cockerel chickens. Poultry [London] 98: 166. Mar. 12, 1946. 47.8 P869

Sexing and the economy of destroying light-breed cockerels then.

25592 M'PATE, J. D. Give them a clean start. Poultry Farmer [London] 114(2959): 9. Mar. 8, 1946. 47.8 F312

Incubator sanitation.

25593 NEWMAN, T. Brooding in batteries. Mod. Poultry Keeping 54: 255. Mar. 27, 1946. 47.8 Eg3

25594 PARRISH, C. F. What is a sound poultry program. Prog. Farmer, Car.-Va. Ed. 61(4): 76. Apr. 1946. 6 P945

25595 PRINGLE, J. Success in the brooder house. Family Herald and Weekly Star 77(6): 15. Feb. 6, 1946. 7 F21

25596 RODWELL, C. Is early hatching a handicap? Poultry World 78: 124. Mar. 1, 1946. 47.8 P8682

25597 ROSCOE, C. 3 essentials for laying ducks. Poultry [London] 98: 134-135. Feb. 26, 1946. 47.8 P869

25598 ROY, J. B. L'élevage des poussins. Terre de Chez Nous 18(23): 10. Mar. 6, 1946. 7 T27

25599 SCHROEDER, P. Current developments in Oregon's poultry and turkey improvement programs. Oreg. Dept. Agr. Agr. B. No. 149, p. 24-25. Mar. 1, 1946. 2 Or3

25600 SHARPE, S. H. Poor hatches? Poultry Farmer [London] 114(2959): 3. Mar. 8, 1946. 47.8 F312

Incubator troubles.

25601 SINICHKIN, E. S. 110 fait's na nesushku v god [110 eggs per laying hen in a year]. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(160): 1-2. 1945. 49 Se4

25602 STEWART, R. It always pays to candle hatching eggs. Mod. Poultry Keeping 54: 234. Mar. 20, 1946. 47.8 Eg3

25603 TRICKLEST chick period; Domesticus gives some advice on management during the first week. Mod. Poultry Keeping 54: 190. Mar. 6, 1946. 47.8 Eg3

25604 VAN WAGENEN, A. G. What's ahead for broiler producers? N. H. Breeder 9(1): 9. 37. Mar. 1946. 47.8 N45

25605 VONDELL, J. H. Start them right. Canad. Poultry Rev. 70(3): 8-9. Mar. 1946. 47.8 C16

25606 WALKER, A. I make a bloomer with litter. Poultry Farmer [London] 114(2959): 4. Mar. 8, 1946. 47.8 F312

Sphagnum unsatisfactory.

25607 WARE, H. G. Are you ready for chicks? Farmer-Stockman 59: 107. Feb. 1946. 6 Ok45

25608 WARREN, R. More eggs, less mortality. N. H. Breeder 9(1): 18-19. Mar. 1946. 47.8 N45

25609 WEBER, J. A. Beginning with geese. Your Farm 4(6): 55-60. Apr. 1946. 6 YB

25610 WHITFIELD, R. W. Rough road ahead for farm [poultry] flock owners. Capper's Farmer 57(4): 10, 33. Apr. 1946. 6 M693

25611 WHITFIELD, W. R. 4 reasons why some poultry raisers fail; here is good advice for postwar planning. Poultry Tribune 52(1): 14, 30-32, 34. Jan. 1946. 47.8 P8642

25612 WHITLOW, S. So you're going in the poultry business? Farmer-Stockman 59: 109. Feb. 1946. 6 Ok45

Poultry care.

25613 WILSON, F. C. 20 thousand eggs a year. Family Herald and Weekly Star 77(6): 20. Feb. 6, 1946. 7 F21

Poultry care.

25614 YOUNG, M. L. Blind vets turn to poultry. Family Herald and Weekly Star 77(5): 13. Jan. 30, 1946. 7 F21

## RABBITS

### Breeds and Breeding

25615 ABRAMS, L. E. Congratulations! Internatl. Com. Rabbit J. 3(28): 6-8. Feb. 1946. 40.28 In8

Reorganization of Federation of American Angora Breeders.

25616 GRIFFIN, F. E. Angoras mean work. Calif. Rabbits Mag. 9(8): 12. Mar. 1946. 40.28 Sa5

25617 HUNTER, MRS. L. H. Trends in Angoras. Calif. Rabbits Mag. 9(8): 16. Mar. 1946. 40.28 Sa5

25618 KOSTER, N. The rabbit and I. Calif. Rabbits Mag. 9(8): 8. Mar. 1946. 40.28 Sa5 Angora experiences.

25619 MERRILEES, F. Keep your chin up and learn about Angora rabbits. Calif. Rabbits Mag. 9(8): 3. Mar. 1946. 40.28 Sa5

25620 PATWORTH, D. Ensuring good rabbit fertility. Poultry [London] 98: 169. Mar. 12, 1946. 47.8 P869

25621 RICKARD, W. R. The best breed [Champagne d'Argent]. Internatl. Com. Rabbit. J. 3(28): 45-46. Feb. 1946. 40.28 In8

25622 SPLAN, MRS. W. Likes to raise Angoras. Internatl. Com. Rabbit J. 3(28): 49-50. Feb. 1946. 40.28 In8

25623 TABBIT. Raças de coelhos "Angorá." Agr. e Pecuaria 16(272): 27-28. Dec. 1945. 9.2 Ag89

25624 WEBB, W. E. About Angora show standards. Internatl. Com. Rabbit J. 3(28): 39-40. Feb. 1946. 40.28 In8

25625 WOODFORD, F. C. Angoras on the Boywood Ranch. Calif. Rabbits Mag. 9(8): 15. Mar. 1946. 40.28 Sa5

25626 WOOLLIN, H. Making the Rex-furred rabbit. Smallholder 74(1877): 12-13. Mar. 8, 1946. 10 Sml

### Feeds and Feeding

25627 PATWORTH, D. Substitutes for hay. Poultry [London] 98: 137. Feb. 26, 1946. 47.8 P869 Rabbit food.

Veterinary Medicine

25628 TAYLOR, H. M. Coprophagy and its' significance. Internatl. Com. Rabbit J. 3(28): 17-27. Feb. 1946. 40.28 In8

Miscellaneous

25629 BLAKE, R. How do I start? Questions and answers to rabbit-keeping. Poultry World 77: 322. Dec. 28, 1945. 47.8 P8682

25630 CARR, MRS. E. W. DE. Founding a rabbitry. Poultry Farmer [London] 114(2958): 11. (To be cont.) Mar. 1, 1946. 47.8 F312

25631 GOODCHILD, C. 40 pelters from 2 does. Poultry Farmer [London] 114(2958): 11. Mar. 1, 1946. 47.8 F312

25632 GRIFFIN, F. E. Thoughts while shearing. Calif. Rabbits Mag. 9(8): 6-7. Mar. 1946. 40.28 Sa5

25633 H., G. Os nossos coelhos durante o verão. Chacaras e Quintais 73(1): 70. Jan. 15, 1946. 9.2 C34

25634 PATWORTH, D. Doe eating young. Poultry [London] 98: 89. Feb. 5, 1946. 47.8 P869

25635 PATWORTH, D. How to simplify hutch cleaning. Poultry [London] 98: 153. Mar. 5, 1946. 47.8 P869

25636 PATWORTH, D. Rabbit keepers need advice. Poultry [London] 98: 105. Feb. 12, 1946. 47.8 P869

25637 SMITH, G. J. Let's put Mr. Rabbit in the movies. Internatl. Com. Rabbit J. 3(28): 31. Feb. 1946. 40.28 In8

25638 SNOW, C. F. Too many for one doe? Foster a few. Smallholder 74(1876): 20. Mar. 1, 1946. 10 Sml

SHEEP AND GOATSBreeds and Breeding

25639 BAKAEV, M. Vyrashchivanie kurdifuchnykh Gissarskikh ovets. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(120/122): 1-4. 1945. 49 Se4

Raising fat-tail Gissar sheep.

25640 DOROSHENKO, G. Ia. Flemennaiâ rabota s karakul'skimi ovtsami. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(129/131): 1-3. 1945. 49 Se4

Breeding of Karakul sheep.

25641 ETIEN, MRS. I. E. Etiquette for bucks. Amer. Dairy Goat News 7(10): 6-7. Apr. 1946. 40.18 Am34

25642 GORDON, M. D. Mate goats now. Field 187: 52. Jan. 12, 1946. 10 F45

25643 MCLAUGHLIN, T. J. Inheritance survey. Amer. Dairy Goat News 7(10): 3, 27. Apr. 1946. 40.18 Am34

25644 MILLER, H. J. A Canadian looks at the Shropshire. Sheep Breeder 66(3): 5-6, 28. Mar. 1946. 45.8 Am31

25645 P., G. C. Duas interessantes experiencias sobre ovinos. Chacaras e Quintais 71: 562-563. May 15, 1945. 9.2 C34

Breeding experiments.

25646 PAUTOVA, E. Vyrashchivanie fagniat ovets Romanovskoi porody. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(132/135): 1-3. 1945. 49 Se4

Raising lambs of the Romanovsk breed.

25647 ROCK, M. E. Color in Alpines. Amer. Dairy Goat News 7(10): 14-15. Apr. 1946. 40.18 Am34

25648 THE RYELAND flock book, v. 33, 1945, 54 p. Hereford, 1946. 45.9 R98

25649 WOODCOCK, W. H. El ovino Ryeland y su cruzamiento con el Merino. Res 14: 18496-18497. Jan. 5, 1946. 286.85 R31

Feeds and Feeding

25650 JONTZ, D. Creep feed early lambs for market. Iowa Wool News 7(2): 2. Feb. 9, 1946. 280.28 I92

25651 MUIRHEAD, D. B. Improvement in fat lamb production; the influence of nutrition on carcass quality. So. Austral. Dept. Agr. J. 49: 197-200. Dec. 1945. 23 So84

25652 RUTHERFORD, R. R. Some observations on supplementary feeding of sheep. West. Austral. Dept. Agr. J. 22: 226-228. Sept. 1945. 23 W52J

Veterinary Medicine

25653 BIGNOLD, B. Caseous lymphadenitis ("cheesy gland") of sheep. West. Austral. Dept. Agr. J. 22: 221-224. Sept. 1945. 23 W52J

25654 BRITTON, J. W. Observations on prolapsed rectum in sheep. Cornell Vet. 36(1): 1-4. Jan. 1946. 41.8 C81

25655 MCDIARMID, A. Studies on enzootic staphylococcal infection in lambs associated with tickbite. I. The nature of the disease, clinical findings and differential diagnosis. Vet. Rec. 58: 103-104. Mar. 9, 1946. 41.8 V641

25656 ROSE, M. Etude de l'action de la phénothiazine sur la strongylose gastro-intestinale du mouton. Algeria. Inst. Agr. Ann. 2: 5-12. Nov. 1945. 108 AL35

25657 TOOP, C. R. Swelled head [or bighead] in rams. West. Austral. Dept. Agr. J. 22: 204-206. Sept. 1945. 23 W52J

A malignant edema caused by Clostridium novyi.

25658 WADLEIGH, A. G. Lambing paralysis in ewes. San Luis Val. Farmer and Stockman 1(3): 16. Dec. 1945. 6 Sa52

Miscellaneous

25659 AGRAZ G., A. A. La capricultura constituye una fuente positiva de riqueza. Chapter III. Campo [Guadalajara] 14: 26-27. Feb. 1946. 8 G76

25660 ASHTON, J. Raising sheep without shepherds. Prog. Farmer, Tex. Ed. 61(4): 15, 79. Apr. 1946. 6 T311

25661 BURNS, R. H. Wyoming's first sheep outfit. Westerner 9(2): 28-29. Mar. 1946. 49 W522

25662 FONSECA, C. Consejos comentados sobre la cria de lanares. Selec. Rurales 1(1): 57-59. July 1945. 9.9 Se4

Raising sheep in Uruguay.

25663 FRASER, A. Sheep and mixed farming. Gt. Brit. Min. Agr. Agriculture 52: 545-548. Mar. 1946. 10 G79J

25664 HAQ, I. Goats in Indian economy. Indian Farming 6: 519-521. Nov. 1945. 22 In283

25665 LATOURETTE, E. Care of kids. Amer. Dairy Goat News 7(10): 4, 11. Apr. 1946. 40.18 Am34

25666 MAXIMOR, I. Soviet farm now supplying fine-wool sheep for Siberian flocks. Western Farmers' News 6(292): 5. May 10, 1945. 280.28 W523

25667 MILLER, R. C. More money from sheep through better care. Ky. Farmer's Home J. 82(2): 6, 34. Feb. 1946. 6 F2237

25668 POPOVA, N. V. Correlation between the skin texture in Karakul lambs of robust constitution and various types of the Karakul curl. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 49: 55-57. 1945. 511 P444

25669 SHOLOKHOV, V. A. Age variation of the skin of Karakul sheep. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 49: 58-61. 1945. 511 P444

25670 SOUCHON, A. L. M. La chèvre laitière. Rev. Agr. de l'île Maurice 24: 296-313. Nov./Dec. 1945. 24 M44



## SWINE

Breeds and Breeding

25673 BAY, O. U. Spots are still advancing; spot cash tells the story. Hog Breeder 21(2): 13. Jan. 15, 1946. 46.8 H672

25672 BOHSTEDT, G. Early farrowing makes for better pigs. Hormel Farmer 9(5): 6-7. Jan. 1946. 49 H782

25673 BRIGGS, W. The American farmer becomes more "purebred conscious." Hog Breeder 21(2): 5. Jan. 15, 1946. 46.8 H672

25674 BURLINGHAM, L. Hampshires in Prairie Farmer Land. Amer. Hampshire Herdsman 21(3): 10. 30. Mar. 1946. 46.8 Am33

25675 HIRZEL, R. Pigs "to order"; breeds and types. Farmer [Pietermaritzburg] 35(1): 10. Jan. 4, 1946. 24 F227

25676 ROYAL DUBLIN SOCIETY. Herd book of Irish Large White pigs, v. 42, 168 p. Dublin, 1946. 46.9 R81

25677 W., A. J. Origem e desenvolvimento do porco "Hereford." Agr. e Pecuária 16(271): 2, 3. Nov. 1945. 9.2 Ag89

25678 WINTERS, L. M. Nine years of swine breeding bring results. Minn. Farm and Home Sci. [Minn. Sta.] 3(2): 2-3. Feb. 20, 1946. 100 M688

Feeds and Feeding

25679 KRIDER, J. L. Bromegrass - hogs like it. Successful Farming 44(4): 142-143. Apr. 1946: 6 Sul2

25680 LOEFFEL, W. J. Pasture production of pigs; proper hog management and sanitation means more pigs at less cash. Westerner 9(2): 9, 48, 50. Mar. 1946. 49 W522

25681 NEAL, J. H. Fishponds save hog feeding. Prog. Farmer, Car.-Va. Ed. 61(4): 72-73. Apr. 6, 1946. 6 P945

25682 PETERSON, A. W. Importance and solution of the problem of balanced feeding of hogs. Indus. and Devlpmt. Council Canad. Meat Packers. Let. Canad. Livestock Prod., No. 3, p. 1, 4. Mar. 1946. 286.85 In2

25683 PIFER, R. W. For fast-growing pigs use a "pig starter." Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(4): 14. Apr. 1946. 6 P945K

Chiefly on feeding.

25684 SALIKOV, E. P. 22 porosenka v srednem na svinomatku. Sel'so (Ser. Kolkhoz. Zhivotn.) 14 (147/148): 1-4. 1945. 49 Se4

Swine feeding and care responsible for high production.

25685 TINDALL, C. Something can be done about feed [for Missouri hogs]. Mo. Ruralist 87(6): 5. 24. Mar. 23, 1946. 6 R8891

25686 VAN CAMP, W. L. Postwar feeding of swine; animal vs. vegetable. Hormel Farmer 9(5): 8. Jan. 1946. 49 H782

Veterinary Medicine

25687 ANASTASIA, P. La cisticercosis del cerdo. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 39. Jan. 31, 1946. 9.9 G15B

25688 BRAUDE, R., and FOOT, A. S. Effect of feeding green food to the pregnant sow on the incidence of piglet anaemia. Vet. J. 102: 71-73. Mar. 1946. 41.8 V643

25689 CUNHA, T. J. Watch confined pigs for signs of anemia. Wash. Farmer 71, i. e. 81: 134. Mar. 7, 1946. 6 R151

25690 CUNHA, T. J. Watch for anemia in your pigs now! West. Livestock Rptr. 6(27): 6. Mar. 6, 1946. 286.85 W523

Also, with slight change of title, in Rec. Stockmar 57(10): 8. Mar. 7, 1946. 286.85 D43

25691 MORETON, FUG, L. F. La lombriz del riñon del cerdo (Stephanurus dentatus). II. Fomento [monthly] 2(24): 20, 23-24. Oct. 1945. 8 F734

25692 SAMPIETRO, D. Castración de cerdas. Rev. Ganad. [Habana] 6(1): 11, 50-51. Jan. 1946. 8 R3292

Miscellaneous

25693 ALLARD, O. Nos porcos de marche. Terre de Chez Nous 18(21): 10, 19. Feb. 20, 1946. 7 T27

Care of swine.

25694 BALDRIDGE, E. Sale management; proper management of a successful public sale of purebred hogs. Hog Breeder 21(2): 4. Jan. 15, 1946. 46.8 H672

25695 BOUCHER, H. The care of sow and litter is your immediate problem. Amer. Hampshire Herdsman 21(3): 14, 38. Mar. 1946. 46.8 Am33

25696 MILLER, I. First few days are hardest on early spring pigs, tests show. Tex. Co-op. Power 2(9): 7. Mar. 1, 1946. 335.8 T31

25697 PIFER, R. W. Carlisle man finds swine sanitation pays. Ky. Farmer's Home J. 82(2): 21. Feb. 1946. 6 F2237

25698 PLAGER, C. Orphan pigs can be raised. Hog Breeder 21(2): 84. Jan. 15, 1946. 46.8 H672

25699 RICHARDS, C. Butchering time. Hog Breeder 21(2): 42-43, 76. Jan. 15, 1946. 46.8 H672

25700 SHISHKAREVA, K. A. Vyrashchivanie tonny pomsta v 7-mesiachnom vozraste. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(146): 1-2. 1945. 49 Se4

Weight of swine.

25701 SHOTTER, R. Pigs have their points. Poultry Farmer [London] 114(2959): 4. Mar. 8, 1946. 47.8 F312

Care of swine.

25702 SINCLAIR, R. D. Swine production in Alberta. Alberta. U. Col. Agr. B. 22, rev., 105 p. Edmonton, 1946. 101 ALLB

By Dept. of Animal Science.

Chiefly care and equipment.

25703 WALTERS, L. E. Pork on the farm - slaughtering. New England Homestead 119(4): 6, 25, 27. Feb. 23, 1946. 6 N442

25704 WEAVER, L. A. Swine sanitation essential for thrifty pigs. Amer. Hampshire Herdsman 21(3): 18-19, 22. Mar. 1946. 46.8 Am33

ENTOMOLOGY

## GENERAL

25705 BROMLEY, S. W. Wheel-bug [Aritus cristatus] vs. Japanese beetle [Popillia japonica]. Ent. News 57(1): 21. Jan. 1946. 421 En88

25706 MILNE, L. J. The water's skin. Atlantic Monthly 177(4): 146, 148. Apr. 1946. 110 At

Notes on insects and other animals that can be supported by the surface film.

- 25707 OLALQUIAGA FAURE, G. Identificaciones y datos adicionales de algunos insectos y arácnidos de Chile. Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 66-76. 1945. Ref. 410 R325
- 25708 PIERANTONI, U. La simbiosi fisiologica degli insetti. Difesa delle Piante 1: 41-42. Oct. 1945. 464.8 D56
- 25709 RICE, L. A. Studies on deciduous forest animal populations during a two-year period with differences in rainfall. Amer. Midland Nat. 35: 153-171. Jan. 1946. Ref. 410 M58  
Includes insects.
- 25710 SABROSKY, C. W. Notes on recent opinions of the International Commission on Zoological Nomenclature. Ent. News 57(1): 14-16. Jan. 1946. 421 En88
- GENERAL - ECONOMIC
- 25711 BARTHEL, W. F., and others. Evaluating pyrethrum extract. Soap and Sanit. Chem. 22(3): 129, 131. Mar. 1946. 307.8 Sol2  
As an insecticide.  
W. A. Gersdorff, F. B. LaForge, and J. J. T. Graham, joint authors.
- 25712 BLACKWOOD, B. B. This year, beat those garden pests to the draw. Farmer-Stockman 59: 217. Apr. 1946. 6 Ok45
- 25713 BLAIR, D. M. Baited fly traps. Rhodesia Agr. J. 42: 488-492. Nov./Dec. 1945. 24 R34
- 25714 BLAUVELT, W. E. Azobenzene fumigation. Florists' Rev. 97(2521): 32-33. Mar. 21, 1946. 80 W41
- 25715 BLAUVELT, W. E. Revised recommendations for azobenzene fumigation. Canad. Florist 41: 124. Mar. 20, 1946. 80 Cl63
- 25716 BOWSER, P. H. Effects of DDT on cabbage maggot [*Hylemya brassicae*] of radish and on aster yellows and the leaf hopper [*Macrostelus divinus*] of head lettuce: a progress report. Mich. Agr. Expt. Sta. Q. B. 28: 194-200. Feb. 1946. 100 M58S
- 25717 BRANNON, D. H. Spraying time for some fruit pests. Wash. Farmer 71, 1. e. 81: 93. Feb. 21, 1946. 6 R151
- 25718 BROWN, C. M. Never again! (Thanks to D.D.T.) Amer. Dahlia Soc. B. 19(1): 8-10. Feb. 1946. 81 Am322  
Insect control.
- 25719 CAMPBELL, J. C., and FILER, R. S. Potato spray and dust experiments in 1945. Hints to Potato Growers 26(10): 1-4. Feb. 1946. 75.9 H59
- 25720 CANADA. DEPT. OF AGRICULTURE. DIVISION OF ENTOMOLOGY. Report on the use of DDT in the control of forest insects. Canada. Dept. Agr. Sci. Serv. Div. Ent. Forest Invest. Bi-monthly Prog. Rpt. 2(1): 1-8. Jan./Feb. 1946. 423.92 Cl6F  
Various parts of report signed by N. R. Brown, R. N. Johnston, K. E. Stewart, L. Daviault, R. H. Nagel, R. E. Balch, S. F. Potts, and P. B. Dowden.
- 25721 CASSAMAGNAGHI, A. (HIJO). Infestación ectoparasitaria en las gallinas del país. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 37. Jan. 31, 1946. 9.9 G15B
- 25722 CEBALLOS, G., and CORDOBA, F. DE. Notas entomológicas. Montes 1: 374-376. Nov./Dec. 1945. 99.8 M763
- 25723 CHAMBERS, E. L. What's new in practical control for insect pests and plant diseases in the garden. Wis. Hort. 36: 148-149. Feb. 1946. 80 W752
- 25724 CHUVAKHIN. Kak borot'sia s vrediteliami luka [How to control onion pests]. Sel'so (Ser. Kolkhoz. Zeml.) 14(79/80): 3-4. 1945. 20 Se475
- 25725 CORTI, G. Metodos generales de pulverización de frutales. Chacra 16(183): 32-33. Jan. 1946. 9 C34
- 25726 CORY, E. N., and others. The place of new sprays and dusts in the control of insects and diseases. Peninsula Hort. Soc. Trans. (1945) 59: 18-41. 1946. 81 P37  
W. S. Hough, P. L. Rice, L. A. Stearns, H. W. Miller, Jr., and J. W. Heuberger, joint authors.  
Mainly on DDT.
- 25727 DAVID, W. A. L. Factors influencing the interaction of insecticidal mists and flying insects. Part. I. - The design of a spray testing chamber and some of its properties. B. Ent. Res. 36: 373-393. Feb. 1946. Ref. 421 B87  
Test organism, *Aedes aegypti*.
- 25728 DAVIS, J. J. A word on DDT when using it this season for livestock pests. Successful Farming 44(4): 130, 132-133. Apr. 1946. 6 Su12
- 25729 DUSTAN, A. G. Use DDT on potatoes in 1946. Canada. Dept. Agr. Sci. Serv. Div. Ent. Processed P. 47, 3 p. Ottawa, 1946. 423.92 Cl6P
- 25730 DUSTAN, A. G. The use of DDT on vegetable crops. Canada. Dept. Agr. Sci. Serv. Div. Ent. Processed P. 41, 4 p. 1946. 423.92 Cl6P
- 25731 DRYDEN, W. J. DDT in paint. Okla. Farming 15(44): 2. Feb. 15, 1946. 6 Ok47
- 25732 EMERSON, A. DDT--up to date. Your Farm 4(6): 33-47. Apr. 1946. 6 YB
- 25733 FARRAR, J. Farmers fight flies with DDT control program. Better Farming Methods 18(4): 16, 21. Apr. 1946. 58.8 B46
- 25734 FINLEY, P. Lo que hace y no hace el DDT. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 56-58. Dec. 1945. 8 R3291
- 25735 FLETCHER, H. L. V. Birds in the garden. Field 187: 338. Mar. 23, 1946. 10 F45  
Insect control.
- 25736 GARRETT, A. S. Buildings damaged by insects. Canad. Countryman 35(6): 40. Mar. 16, 1946. 7 C833
- 25737 GEHAUF, B. Estimation of DDT by the phosphene method. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4955, 2 p., processed. Washington, 1945? 157.8 R29
- 25738 HARDING, T. S. Those bugs may get you! Med. Rec. 159: 134, 136. Mar. 1946. 448.8 N48  
Insects ready to take over if man commits race suicide.
- 25739 HEADSTROM, R. Birds useful to the garden-er. Organic Gard. 8(5): 37-41. Apr. 1946. 56.8 Or3
- 25740 HENDRICKS, J. E. Do you know these pests? Better Homes & Gard. 24(8): 36-37. Apr. 1946. 80 F9424
- 25741 HOCKEY, J. F., PICKETT, A. D., and NEARY, M. E. Spray calendars for apples and pears. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 82-85. 82 N85
- 25742 HUTSON, R. DDT as a spray for oriental peach moth [*Grapholitha molesta*] and other peach insects. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 58-61. 1946. 81 M58
- 25743 HUTSON, R., and others. DDT, its characteristics, results of tests, and how to use it in apple orchards. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 19-29. 1946. 81 M58  
E. Klenk, E. Morse, W. G. Mawby, and G. Friday, joint authors.
- 25744 HUTSON, R. DDT on apples. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 29-30. 1946. 81 M58
- 25745 HUTSON, R. Some results with DDT on plums, quince and grapes. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 126-128. 1946. 81 M58
- 25746 JENKINS, C. F. E. D.D.T. as an agricultural insecticide. West. Austral. Dept. Agr. J. 22: 229-232. Sept. 1945. 23 W52J



25747 KEEN, F. P. Entomology in western pine silviculture. Pan-Pacific Ent. 22(1): 1-8. Jan. 1946. Ref. 421 P193

25748 KILGORE, L. B. German insecticide evaluation. Soap and Sanit. Chem. 22(3): 122-125, 173. Mar. 1946. 307.8 Sol2

Third article in a series.

Chiefly on testing techniques.

25749 KINNARD, V. Pyrethrum reenters the civilian market. Dom. Com. 34(4): 22-23. Apr. 1946. 157.54 D713

As insecticide.

25750 LAMMEY, W. C. 25 insect pests and how to control them. Pop. Mechanics Mag. 85(4): 188-193. Apr. 1946. 291.8 F81

25751 LATYSHEV, N. I. Metodicheskie ukazaniya po ispytaniyu khimicheskikh sposobov zashchity ot ukusov moskitov (Instructions concerning the testing of insect repellents). Med. Parazit. i Parazitar. Bolezni 14(2): 82-85. 1945. 448.8 M469

25752 LINK, A. E. Economic study of I. G. Farbenindustrie Akt. Ges. Section III C. Insecticides and fungicides detailed products list. U. S. Dept. Com. Off. Pub. Bd. Rpt. 558, 10 p. 1945. 157.8 R29

25753 MATTOON, H. G. What can DDT do for and to us. Forest Leaves 35(6): 3. Nov./Dec. 1945. 99.8 F763

25754 MELADY, E. Your floor coverings may be banquet tables. House Beautiful 88(4): 156-157. Apr. 1946. 296.8 H81

Insects as pests.

25755 MENCACCI, M. Cura e conservazione delle castagne. Difesa delle Piante 1: 54-56. Nov. 1945. 464.8 D56

Treatment of insect pests of chestnut.

25756 MERRILL, T. A. Some results with DDT on plums. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 125-126. 1946. 81 M58

25757 MORANI, V. Gli insetticidi a base di rotenone. Difesa delle Piante 1: 25-27. Sept. 1945. 464.8 D56

25758 MOUTIA, L. A., and MAMET, R. A review of twenty-five years of economic entomology in the island of Mauritius. B. Ent. Res. 36: 439-472. Feb. 1946. Ref. 421 B87

25759 MUNRO, J. W. Control of insect pests. Mfg. Chem. 17(2): 67-70. Feb. 1946. 396.8 M31

25760 NEAL, P. A., and others. The excretion of DDT (2,2-bis-(p-chlorophenyl)-1,1,1-trichloroethane) in man, together with clinical observations. Pub. Health Rpt. 61(12): 403-409. Mar. 22, 1946. 151.65 P96

T. R. Sweeney, S. S. Spicer, and W. F. von Oettingen, joint authors.

25761 NEARY, M. E. The insect outlook for 1946. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 33, 35-38. 82 N85

Pests of apples.

25762 NEISWANDER, R. B. DDT use in control of greenhouse insects. Market Growers J. 75(3): 17, 39, 45, 51, 57. Mar. 1946. 6 M34

25763 NEWCOMER, E. J. Some possible uses for DDT on soft fruits. Wash. State Hort. Assoc. Proc. (1945) 41: 51-53. 1946. 81 W273

25764 O'NEILL, W. J. Progress report of pest control. Wash. State Hort. Assoc. Proc. (1945) 41: 27-32. 1946. 81 W273

Discussion, p. 32-33.

25765 OTOYA A., F. J. Plagas de principales cultivos del pais; sistemas de represion e insecticidas usados. Parte II: Insectos de la yuca y sus insecticidas. Agr. Trop. 1(12): 47-48. Jan. 1946. 26 Ag8

Erinnyis ello.

25766 OTOYA, F. J. Plagas del algodón. Agr. Trop. 2(1): 29-31. (To be cont.) Feb. 1946. 26 Ag8

25767 PARKER, M. E. Food plant sanitation is not just a chore; part I. Food Indus. 18: 332-336. Mar. 1946. 389.8 F737

Insect and rodent control.

25768 PARKS, T. H. Impending insecticide shifts for the market gardener. Market Growers J. 75(4): 14. Apr. 1946. 6 M34

25769 PIERCE, G. L. The problem of gladiolus inspection. North Amer. Gladiolus Council. B., Mar. 1946, p. 7, 24, 26, 28. 96.43 N81

25770 PRUTHI, H. S., and NASIR, M. Tests with D.D.T. and 666 as agricultural insecticides in India. 1. For stored grains. Indian Farming 6: 506-510. Nov. 1945. 22 In283

25771 PYENSON, L. Help winter fight the bugs; a little police duty in cold weather will pay out next summer. Home Gard. 6(5): 37-40. Nov. 1945. 80 H756

25772 RASMUSSEN, E. J. The airplane for crop protection. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 30-39. 1946. 81 M58

Mainly dusting experiments.

25773 RASMUSSEN, E. J. Recent trends in spray and dust materials and methods of applications. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 149-152. 1946. 81 M56

25774 REINGARDT, L. V., and ZABUD'KO-REINGARDT, T. M. Romashka obyknovennaya (Matricaria inodora) kak khoroshiy, no malo izuchennyi insektitsid [Scentless Mayweed (Matricaria inodora) as a good but insufficiently studied insecticide]. Med. Parazit. i Parazitar. Bolezni 14(3): 92. 1945. 448.8 M469

25775 ROSS, W. A., and ARMSTRONG, T. Spray schedules for pear orchards especially subject to pear psylla [Psylla pyricola] and codling moth [Carpocapsa pomonella]. Canada. Dept. Agr. Sci. Serv. Div. Ent. Processed P. 40, 3 p. Ottawa, 1946. 423.92 C16P

25776 SHEWELL-COOPER, W. E. Be ready for spring fruit spraying. Smallholder 74(1879): 11. Mar. 22, 1946. 10 Sml

25777 SLOOF, K. Dusting citrus trees. Exch. Pest Control C. No. 133, p. 517. Jan. 1946. 423.9 C12E

25778 SNYDER, J. M. Insect and rodent control. Amer. J. Pharm. 118(1): 11-23. Jan. 1946. 396.8 Am3

25779 TILLEMANS, E. Le DDT et ses possibilités. Parasitica 1: 64-73. 1945. 464.8 P21

25780 TWINN, C. R., and BALCH, R. E. How to use DDT in lumber camps. Canada. Dept. Agr. Sci. Serv. Div. Ent. Processed P. 39, 3 p. 1946. 423.92 C16P

25781 TWINN, C. R., and BALCH, R. E. Insect control in lumber camps with DDT. Canada. Dept. Agr. Sci. Serv. Div. Ent. Processed P. 38, 8 p. Ottawa, 1946. 423.92 C16P

25782 VINE, V. Bug house by the side of the road. Farm J. 70(4): 26-27. Apr. 1946. 6 F2212

Control of insect pests by Syndet, Tufor and Phygion.

25783 WALBERG, A. O. DDT in potato production. Rural Co-op. 10(11): 5. Feb. 26, 1946. 280.28 H88

Also in Canad. Hort. & Home Mag. Growers' Ed. 69: 58. Mar. 1946. 80 C16

25784 WARNER, L. O. English entomologist to work on insecticides. New England Homestead 119(6): 15. Mar. 23, 1946. 6 N442

Dr. Charles Potter at R. I. Experiment station.

#### APICULTURE AND APIS MELLIFERA

25785 ARSCOTT, D. P. A better bee - through science. O. A. C. Rev. 58: 251-252. Feb. 1946. 276.8 On8

Apis mellifera breeding.



- 25786 BEES have good sight and can distinguish colours. By Gubeshe. Farmer [Pietermaritzburg] 35 (1): 10. Jan. 4, 1946. 24 F227
- 25787 BOYD, C. L. Until standard hives return. Gleanings Bee Cult. 74: 212. Apr. 1946. 424.8 G47
- 25788 BROOK, H. H. Mistakes I have made in bee-keeping. Brit. Bee J. 74: 76. (To be cont.) Mar. 14, 1946. 424.8 B77
- 25789 CHERIAN, M. C. Development of bee-keeping in the Madras Presidency. Indian Bee J. 8(1/2): 20-22, 27-28. Jan./Feb. 1946. 424.8 In2
- 25790 CHILDERS, L. F. Feeding dry pollen substitute. Amer. Bee J. 86: 143-144. Apr. 1946. 424.8 Am3
- 25791 CLARK, R. M. Bees for pollination; Iowa grower tells of experience in his apple orchard. East. Fruit Grower 9(1): 6, 26, 30. Mar. 1946. 80 Ea73
- 25792 CLAUDE, P. M. Une page de l'histoire de l'apiculture. Abeille et l'Érable 15: 34-35. (Cont.) Mar. 1946. 424.8 Ab32
- 25793 COLLINS, T. Travelling bees. Bee Craft 28: 13. Feb. 1946. 424.8 B3925
- 25794 DICKS, W. J. E. Starting a new honey-producing business. West. Canada Beekeeper 9(3): 10-11, 16. Mar. 1946. 424.8 W525
- 25795 EDGECOMB, S. W. Honeybees as pollinators in the production of hybrid cucumber seed. Amer. Bee J. 86: 147. Apr. 1946. 424.8 Am3
- 25796 ENNIS, M. W. Honey hunting in Angola. Nature Mag. 39: 185-187. Apr. 1946. 409.6 N214  
As told to S. F. Welty.
- 25797 F., F. H. Feeding without honey or sugar. Canad. Bee J. 54: 52. Mar. 1946. 424.8 C16
- 25798 F., F. H. Sugar shortage to cut honey production. Canad. Bee J. 54: 48. Mar. 1946. 424.8 C16
- 25799 GAMBLE, R. Bees are on the go again. Smallholder 74(1876): 11. Mar. 1, 1946. 10 Sml
- 25800 GAMBLE, R. They're tackling the big bee problems. Smallholder 74(1877): 11. Mar. 8, 1946. 10 Sml
- 25801 GOUGET, C. W. Who knows the cost of sixteen cent honey. Amer. Bee J. 86: 141-142, 167. Apr. 1946. 424.8 Am3
- 25802 HOLST, E. C. A simple field test for American foulbrood. Bee World 27: 13-14. Feb. 1946. 424.8 B399
- 25803 KELLOGG, C. R. Conocimientos basicos para la apicultura; la colmena. Mex. Ofic. Fitosanit. Fitófilo 4: 176-188, processed. (Cont.) May/June 1946. 421 F55
- 25804 KELTY, R. H. The beekeeper's viewpoint on the pollination problem. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 43-48. 1946. 81 M58
- 25805 LAING, R. J. Old-time practices. West. Canada Beekeeper 9(3): 15-16. Mar. 1946. 424.8 W525
- 25806 LEVI, H. The action of honey bee-venom on red corpuscles, especially on the ionic permeability. (Including remarks on the action of the venom on yeast cells). Arkiv för Kemi, Min. och Geol., v. 21A, No. 5, p. 1-14. Nov. 2, 1945. 385 Sv2
- 25807 LLOYD, S. E. Acarine reduces honey crop. Brit. Bee J. 74: 53. Feb. 21, 1946. 424.8 B77
- 25808 MCKEE, J. E. Honey and honey bees. Pa. Farmer 134: 222. Mar. 23, 1946. 6 P383
- 25809 MAIN, J. W. Beekeeping's greatest menace, the wax moth [Galleria mellonella] in India. Indian Bee J. 8(1/2): 7-9. Jan./Feb. 1946. 424.8 In2
- 25810 NEWELL, R. E. Detecting evidence of starvation by examination of the entrance. Gleanings Bee Cult. 74: 203, 247. Apr. 1946. 424.8 G47
- 25811 NIEB, L. C. Stirring the witches' brew; to burn or not to burn. Gleanings Bee Cult. 74: 204-205. (To be cont.) Apr. 1946. 424.8 G47  
Control of American foulbrood.
- 25812 OSTER, S. Co-operative pollination. West. Canada Beekeeper 9(3): 15. Mar. 1946. 424.8 W525
- 25813 PANKIW, N. The need of better pastures and better shelters for bees and honey plants. West. Canada Beekeeper 9(3): 3-4. Mar. 1946. 424.8 W525
- 25814 RAU, P. L. The size of hive. Indian Bee J. 8(1/2): 6. Jan./Feb. 1946. 424.8 In2
- 25815 ROOT, E. R. Eighty years among the bees. Gleanings Bee Cult. 74: 221, 253. (Cont.) Apr. 1946. 424.8 G47
- 25816 ROUSE, T. A. Hive descriptions. Brit. Bee J. 74: 54. Feb. 21, 1946. 424.8 B77
- 25817 SACRED creature - and Xmas eve carol singer; when bees paid the rent and made the mead. By Gubeshe. Farmer [Pietermaritzburg] 34(52): 13. Dec. 28, 1945. 24 F227
- 25818 SCHMIEDER, R. G. On directing the flight of bees. Ent. News 57(1): 16-19. Jan. 1946. 421 En88
- 25819 SINGLETON, A. The possible elimination of foulbrood. West. Canada Beekeeper 9(3): 12-13. Mar. 1946. 424.8 W525
- 25820 STANLEY, P. W., and LANGLEY, K. Bee breeding. Bee Craft 28: 19. Mar. 1946. 424.8 B3925
- 25821 STRIZHAK, I. A. 140 kg meda s pchelosem'1 [140 kg. of honey from a bee family]. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(149-150): 3. 1945. 49 Se4
- 25822 THOMAS, G. Bee-keeping as a livelihood. Bee Craft 28: 18-19. Mar. 1946. 424.8 B3925
- 25823 VAN DEN AVYLE, C. J. Apicultura racional y apicultura "negra" o fijista. Chacra 16(183): 55. Jan. 1946. 9 C34
- 25824 WHEELER, L. G. Hábitos da abelha. Agr. e Pecuaria 16(272): 31-32. Dec. 1945. 9.2 Ag89
- 25825 WERTHEIN, I. Enxameação: nó górdio da apicultura racional. Agr. e Pecuária 16(271): 3, 4. Nov. 1945. 9.2 Ag89
- 25826 WHITCOMB, W., JR. Feeding bees for comb production. Gleanings Bee Cult. 74: 198-202, 247. Apr. 1946. 424.8 G47

#### Colony Management

- 25827 ALLIN, H. C. Spring management of colonies has bearing on year's success. Canad. Bee J. 54: 49-50. Mar. 1946. 424.8 C16
- 25828 BAGNATI, P. R. Fecundación de reinas. Chacra 16(184): 55. Feb. 1946. 9 C34
- 25829 BRAUN, E. Dividing over-wintered colonies for increased honey production. West. Canada Beekeeper 9(3): 7-9. Mar. 1946. 424.8 W525
- 25830 GAMBLE, R. Leave the hive a little longer. Smallholder 74(1879): 11. Mar. 22, 1946. 10 Sml
- 25831 GOODERHAM, C. B. Surveillez les colonies qui ont hiverné. Abeille et l'Érable 15: 32. Mar. 1946. 424.8 Ab32
- 25832 GOODERHAM, C. B. Watch the overwintered colonies. West. Canada Beekeeper 9(3): 13. Mar. 1946. 424.8 W525
- 25833 JAMIESON, C. A. Installing package bees. Canad. Bee J. 54: 51-52. Mar. 1946. 424.8 C16
- 25834 JESSUP, J. G. New kinks in spring management. Gleanings Bee Cult. 74: 193-195. Apr. 1946. 424.8 G47
- 25835 MANLEY, R. O. B. Heredity and swarming. Scot. Beekeeper 22: 32. Mar. 1946. 424.8 Sco8
- 25836 NEWELL, R. E. Hardiness should be considered in selection of breeder queens for the far north. Amer. Bee J. 86: 144-145. Apr. 1946. 424.8 Am3



25837 PERIGO, G. The system of management that is different. Amer. Bee J. 86: 152, 160. Apr. 1946. 424.8 Am3

25838 RAU, P. N. V. Egg laying by queens. Indian Bee J. 8(1/2): 10-11. Jan./Feb. 1946. 424.8 In2

25839 ROGERS, H. S. Collecting pollen in advance for feeding package bees. Gleanings Bee Cult. 74: 210. Apr. 1946. 424.8 G47

25840 ROOT, E. R. An all-wood shipping cage for package bees. Gleanings Bee Cult. 74: 208-209. Apr. 1946. 424.8 G47

Discussion with Allen Latham. Warren Whitcomb, Jr. acts as referee.

25841 SHARP, A. Honey production. Brit. Bee J. 74: 74-75. Mar. 14, 1946. 424.8 B77

25842 SHARP, A. Two queen colonies. Brit. Bee J. 74: 49. Feb. 21, 1946. 424.8 B77

25843 SHOEMAKER, F. L. We divided in April. Gleanings Bee Cult. 74: 196-197. Apr. 1946. 424.8 G47

25844 WILDER, J. R. A method of swarm control. Bee World 27: 19. Mar. 1946. 424.8 B399

25845 WOODS, E. F. Swarm control for beginners. Part I-II. Bee-keepers' Rec. 64: 11-12, 28-29. Feb., Mar. 1946. (To be cont.) 424.8 B398

#### ARACHNIDA, MYRIAPODA, ETC.

25846 ANASTASIA, P. La garrapata [*Boophilus annulatus*] y la producción de carnes. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 35. Jan. 31, 1946. 9.9 G15B

25847 ANASTASIA, P. Hay que combatir la sarna. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 27. Jan. 24, 1946. 9.9 G15B

25848 ANASTASIA, P. La lucha contra la sarna. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 11. Jan. 10, 1946. 9.9 G15B

Article with same title in issue of Feb. 7, 1946.

25849 BAKER, D. W. Ticks found in New York State. Cornell Vet. 36(1): 84-90. Jan. 1946. 41.8 C81

25850 BARON, C. Apparition d'Oribatides dans les vergers de pruniers de la région namuroise. Parasitica 1: 76. 1945. 464.8 P21

25851 BISHOP, S. C., and RUDEMAN, C. Four new species of Dictyna. Biol. Soc. Wash. Proc., v. 59, p. 1-8. Mar. 11, 1946. 500 W272

25852 CHAMBERLIN, R. V. A new American genus [*Stenophilus*] in the chilopod family Himantariidae. Biol. Soc. Wash. Proc., v. 59, p. 35-38. Mar. 11, 1946. 500 W272

*S. coloradensis* n. sp.

25853 CHAMBERLIN, R. V. A new Texan Lithobius [*L. hardyi*]. Pan-Pacific Ent. 22(1): 20-21. Jan. 1946. 421 P193

25854 CHARTERS, A. D. Tick-typus in Abyssinia. Roy. Soc. Trop. Med. and Hyg. Trans. 39: 335-342. Feb. 1946. Ref. 448.9 B813

25855 CLARK, A. H., and ZETEK, J. The onychophores of Panama and the Canal Zone. U. S. Natl. Mus. Proc. 96: 205-213. Washington, 1946. Ref. 500 Sm65P

25856 COLLINGE, W. E. Note on some South African terrestrial Isopoda. Ann. Mag. Nat. Hist. 12: 344-347. Nov. 16, 1945. 410 A77

Includes *Anchicubaris scoriformis* n. sp.

25857 DUNN, A. P., and DUNN, R. A. A method of preparing spiders for exhibition. Victorian Nat. 62: 184. Feb. 1946. 410 V66

25858 ESCOBAL, R. Sarna ovina. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 38-40. Sept./Oct. 1945. 49 B86

Due to Psoroptes ovis.

25859 EWING, H. E. Notes on the taxonomy of three genera of trombiculid mites (chigger mites), together with the description of a new genus. Biol. Soc. Wash. Proc., v. 59, p. 69-72. Mar. 29, 1946. 500 W272

*Trombiculoides*, *Paraschöngastia*, *Neoschöngastia*, *Ascoschöngastia* n. g.

25860 EWING, H. E. Taxonomic notes on American chiggers (larvae of the mite family Trombiculidae), including the redescription of a genus [*Euschöngastia*] and the descriptions of two new species [*Trombicula bakeri*, *Acomatacarus galli*]. Biol. Soc. Wash. Proc., v. 59, p. 21-28. Mar. 11, 1946. 500 W272

25861 GERTSCH, W. J., and DAVIS, L. I. Report on a collection of spiders from Mexico. V. Amer. Mus. Nat. Hist. Amer. Mus. Novitates, No. 1313, 11 p. Mar. 13, 1946. 500 N483N

Includes n. spp. and forms in: *Frontinella* 5; *Linyphia* 2; *Jalapphyantes* n. g. 3. *Selenyphantes* n. g.

25862 GOODNIGHT, C. J., and GOODNIGHT, M. L. Additional studies of the phalangid fauna of Mexico. I. Amer. Mus. Nat. Hist. Amer. Mus. Novitates, No. 1310, 17 p. Mar. 9, 1946. 500 N483N

Includes n. spp. in: *Chapulobunus* n. g.; *Cynorta*; *Cynortoides*; *Paravonones*; *Cosmobunus*; *Leiobunum* 2; *Krusa* 4; *Prionostemma* 2.

25863 KASTON, B. J. North American spiders of the genus *Ctenium*. Amer. Mus. Nat. Hist. Amer. Mus. Novitates, No. 1306, 19 p. Jan. 14, 1946. 500 N483N

Includes 6 n. spp.

25864 KEEGAN, H. L. Six new mites of the superfamily Parasitoidae. Amer. Micros. Soc. Trans. 65: 69-77. Jan. 1946. Ref. 440.9 Am33

25865 MELVIN, R. A note on the culturing of chiggers (Trombiculidae). Ent. Soc. Amer. Ann. 39 (1): 143-144. Mar. 1946. 420 En82

25866 MICHENER, C. D. Observations on the habits and life history of a chigger mite, *Eutrombicula batatas*. Ent. Soc. Amer. Ann. 39(1): 101-118. Mar. 1946. 420 En82

25867 OLSON, F. C. Mange. Pest Control and Sanit. 1(4): 25, 27. Apr. 1946. 421 P432

Descriptions of *Sarcoptes scabiei*, *Demodex canis* and *Otodectes cynotis*.

25868 PAVLOVSKIĬ, E. N. O prirodnoi ochagovosti kleshchevogo rekurrensa v Turkmenskoi SSR (On the natural endemicity of the tick recurrent fever in the Turkoman Soviet Socialist Republic). Med. Parazit. i Parazit. Bolezni 14(3): 56-59. 1945. 448.8 M469

*Ornithodoros* as vectors of the disease.

25869 PAVLOVSKIĬ, E. N., and KUZ'MINA, L. A. O vozmozhnosti peredachi spirokhet kleshchevogo rekurrensa kleshchom *Ornithodoros lahorensis* oboz'ia nam i cheloveku (On the possibility of transmission of the spirochaetae of the tick recurrent fever by the tick *Ornithodoros lahorensis* to monkeys and to man). Med. Parazit. i Parazit. Bolezni 14(3): 66-70. 1945. 448.8 M469

25870 FOVAR, M. L. Value of DDT for the control of the northern feather mite (*Liponyssus sylvarum*). Cornell Vet. 36(1): 91-92. Jan. 1946. 41.8 C81

25871 SLOGGETT, B. M. Introduction of *Latredecus* to the Pacific Islands. Victorian Nat. 62: 165. Jan. 1946. 410 V66

25872 SOFIEV, M. S., and LEONOVA, N. A. Novye dannye o rezervuarakh virusa kleshchevogo rekurrensa v Uzbekskoi SSR (Some new data on the reservoirs of the virus of the [*Ornithodoros*] tick recurrent fever in the Uzbek Soviet Socialist Republic). Med. Parazit. i Parazit. Bolezni 14(3): 60-65. 1945. 448.8 M469

25873 SQUIBB, R. L. Nuevo metodo para el control de la garrapata del ganado [*Boophilus annulatus*] en las regiones tropicales. Agr. Trop. 2(1): 21-23. Feb. 1946. 26 Ag8



25874 TINER, J. D., and DOUGLASS, F. Parasitic dermatitis in a horse. North Amer. Vet. 27: 219. Apr. 1946. 41.8 N812

Due to mites.

25875 TROITSKIĬ, N. V. Opyty po primeneniiu serougleroda, khloropikrina, myla K i drugikh insektitsidov dlia unichtozheniia i otpugivaniia kleshchei Ornithodoros papillipes [Experiments in the use of carbon disulphide, chloropicrin, K-soap, and other insecticides for destroying and repelling Ornithodoros papillipes]. Med. Parazit. i Parazitar. Bolezni 14(3): 75-79. 1945. 448.8 M469

25876 TROITSKIĬ, N. V. Peredacha kleshchevogo spirokhetozu razlichnymi vozrastnymi stadiami Ornithodoros papillipes [Transmission of tick spirochetosis by Ornithodoros papillipes at its various stages of development]. Med. Parazit. i Parazitar. Bolezni 14(3): 70-75. 1945. 448.8 M469

25877 TURK, F. A. A correction and additional data to two former papers on opilionids [i. e. Phalangida] and diplopods from Indian caves. Ann. & Mag. Nat. Hist. (ser. 11) 12: 420. June 1945. 410 An77

25878 VELASQUEZ Q., J. El problema de la garrapata en Colombia. Asoc. Colomb. de Ganad. B. Ganad., No. 13, p. 62-72. June 1945. 43.9 As53

Boophilus annulatus.

25879 WOODSIDE, A. M. The use of DDT makes mite control necessary. Va. Fruit 34(3): 14, 16, 18. Mar. 1946. 61 V81B

#### COLEOPTERA

25880 ASHE, G. H. Coleoptera in Devon, 1944-45. Ent. Monthly Mag. 82: 46. Feb. 1946. 421 En86

25881 ASHE, G. H. A note on the habitat and food of the larva of Ischnodes sanguinicollis Panz. (Col., Elateridae). Ent. Monthly Mag. 82: 45. Feb. 1946. 421 En86

25882 BALFOUR-BROWNE, J. Aquatic Coleoptera of Oceania (Dytiscidae, Gyrinidae, and Palpicornia). Bernice P. Bishop Mus. Occas. Papers 18(7): 103-132. Apr. 10, 1945. 500 B450

New spp. in: Hydraena 2; Parafletium n. g.; Cryptopleurum.

25883 BEARD, R. L. Competition between two entomogenous bacteria [Bacillus lentimorbus, B. popilliae]. Science 103: 371-372. Mar. 22, 1946. 470 Sci2

Cause of Type A and B milky disease in Popillia japonica.

25884 BERGAMIN, J. A broca do café Hypothenemus [Stephanoderes] hampei (Ferrari, 1867). São Paulo. Supt. dos Serv. do Café. B. 20: 848-855. (Cont.) Aug. 1945. 68.29 Sa63

25885 BOCZKOWSKA, M. Roles des auxiliaires dans la pullulation de Leptinotarsa decemlineata Say. Soc. de Biol. Compt. Rend. 139: 504-506. May. 1945. 442.9 P21

Parasites and predators.

25886 BOERGER, A. El bicho moro [Epicauta] o vaquilla y el modo de combatirlo. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 2. Jan. 3, 1946. 9.9 G15B

25887 BRYANT, G. E. New species of African Chrysomelidae (Halticinae, Col.). Ann. Mag. Nat. Hist. 12: 336-340. Nov. 16, 1945. 410 An77

Six n. spp. in Blepharidella.

25888 BRYANT, G. E. New species of Chrysomelidae (Cryptocephalinae, Eumolpinae and Halticinae, Col.) from Java and Fiji. Ann. & Mag. Nat. Hist. (ser. 11) 12: 421-428. June 1945. 410 An77

New spp. in: Loxopleurus; Nodostoma 2; Demotina; Vitibia; Stygnobia; Stethotes; Pseudostonopa; Manobia; Alema.

25889 BURR, M. The flashing of fireflies [Photinus pyralis?]. Ent. Rec. and J. Variation 58: 38. Mar. 1946. 421 En89

25890 CARTWRIGHT, O. L. A new Phyllophaga [P. hubbelli] from Alabama and Georgia (Scarabaeidae: Coleoptera). Ent. News 57(1): 10-12. Jan. 1946. 421 En88

25891 COOPER, J. F. White-fringed beetle [Pantomorus leucoloma] losing out. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(4): 24. Apr. 1946. 6 P945G

25892 COX, D. Coleoptera at Colchester, Essex. Ent. Monthly Mag. 82: 47. Feb. 1946. 421 En86

25893 DICKER, G. H. L. The apple blossom weevil [Anthonomus pomorum]; its control. Fruit-Grower 101: 269-270. (To be cont.) Mar. 21, 1946. 80 F941

25894 ESPAÑOL COLL, F. Coleópteros nuevos o interesantes para la fauna ibero-baleár. Eos 21(1): 83-105. May 30, 1945. 421 Eo7

Records from Portugal, Spain and the Balearic Islands.

Includes new spp. and forms in Abromus (2) and Troglorhynchus.

25895 FISHER, W. S. Synopsis of the cerambycid beetles of the genus Stenosphenus Haldeman found in America, north of Mexico. Wash. Acad. Sci. J. 36: 86-94. Mar. 15, 1946. 500 W276J

Includes S. nigricornis, n. sp.

25896 FULTON, H. G., and GLENDENNING, R. The tuber flea beetle [Epitrix tuberis] in British Columbia and its control. Canada. Dept. Agr. Sci. Serv. Div. Ent. Processed P. 48, 4 p. Ottawa, 1946. 423.92 C16P

25897 GILLOGLY, L. R. A new species of nitidulid beetle [Haptoncus californicus]. Pan-Pacific Ent. 22(1): 22-24. Jan. 1946. 421 P193

25898 GRESSITT, J. L. Chinese chrysomelid beetles of the subfamily Chlamisinae. Ent. Soc. Amer. Ann. 39(1): 84-100. Mar. 1946. 420 En82

Includes 7 n. spp. in Chlamisus.

25899 GUTIERREZ ALONSO, R. Contribuciones al conocimiento de los Scarabaeidae chilenos. Dynastinae Oryctini. Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 112-118. 1945. Ref. 410 R325

25900 HAYES, W. P., and CHU, H. F. The larvae of the genus Nosodendron Latr. (Coleoptera, Nosodendridae). Ent. Soc. Amer. Ann. 39(1): 69-79. Mar. 1946. Ref. 420 En82

25901 HENDERSON, J. L. More beetles of a London suburban garden in Surrey. Ent. Monthly Mag. 82: 38-39. Feb. 1946. 421 En86

25902 HEY, G. L. Apple blossom weevil [Anthonomus pomorum] and DDT. Gt. Brit. Min. Agr. Agriculture 52: 554-557. Mar. 1946. 10 G79J

25903 ISLAS S., F. Un genero y tres especies nuevos de aphodinos mexicanos. Mex. Inst. de Biol. An. 16: 451-457. 1945. Ref. 442.9 M57

Aphodius hoffmanni n. sp., A. caballeroi n. sp., Nettelia euparinoides, n. g., n. sp.

25904 KHATIB, S. M. H. Studies in Galerucinae. The external morphology of Galerucella birmanica (Jacoby), Coleoptera, Polyphaga, Phytophaga, Chrysomelidae, Galerucinae. Indian Acad. Sci. Proc. Sect. B 23: 1-38. Jan. 1946. Ref.; p. 35-38. 513 In25B

25905 KNOWLTON, G. F. Ladybird beetle [Ceratomegilla vittigera] mistaken for pest. Farm & Home Sci. [Utah Sta.] 7(1): 4. Mar. 1946. 100 UtlF

25906 L., G. H. The apple blossom weevil and its control. Gard. Chron. 119: 118. Mar. 9, 1946. 80 G162

25907 LEECH, H. B. Remarks on some Pacific Coast species of Tropisternus (Coleoptera: Hydrophilidae). Canad. Ent. 77: 179-184. Oct. 1945. 421 C16

Includes T. orvus n. sp.

25908 LINDROTH, C. H. Inheritance of wing dimorphism in Pterostichus anthracinus Ill. Hereditas 32: 37-40. Jan. 15, 1946. 442.8 H42



25909 LINSLEY, E. G., and MACSWAIN, J. W. Longevity of *Trichodes* [ornatus] and *Pelonium* [fasciatum] larvae. Pan-Pacific Ent. 22(1): 18. Jan. 1946.

421 P193

25910 MARSHALL, SIR G. A. K. New Curculionidae (Col.) from tropical Africa. Ann. & Mag. Nat. Hist. (ser. 11) 12: 429-448. July 1945. 410 An77

Includes 13 n. spp.; new g.: Thaptogenius, Gneme-campatus, Orthoscelus, Lipsams, Afrodolius.

25911 MARSHALL, M. Y. Note on Hyperaspidiid flavocephalus Blatchley, with description of the female (Coleoptera, Coccinellidae). Canad. Ent. 77: 177-178. Oct. 1945. 421 C16

25912 MARSHALL, SIR G. A. K. On the East African species of Polyclaea (Col., Curcul.). Ann. Mag. Nat. Hist. 12: 285-309. Nov. 16, 1945. 410 An77

Includes 15 n. spp. and forms.

25913 STEHR, W. C. New species of Scymnus (Coleoptera: Coccinellidae). Ent. Soc. Amer. Ann. 39(1): 80-81. Mar. 1946. 420 En82

S. lodi; S. ohioensis.

25914 TAN, C. C. Mosaic dominance in the inheritance of color patterns in the lady-bird beetle, *Harmonia axyridis*. Genetics 31(2): 195-210. Mar. 1946. Ref. 442.8 G28

25915 VAN DEN BRUEL, W. E. La bruche du haricot, *Acanthoscelides obtectus* Say, est-elle à craindre pour nos cultures? Parasitica 1: 84-101. 1945. Ref. 410 P212

25916 WOODSIDE, A. M. Plum curculio [Conotrachelus nemaphar] control. Va. Fruit 34(3): 18-19. Mar. 1946. 81 V81B

25917 ZIMMERMAN, E. C. Two new Storeus from the Philippines (Coleoptera, Curculionidae). Bernice P. Bishop Mus. Occas. Papers 18(9): 139-144. Sept. 10, 1945. 500 B450

## DIPTERA

25918 ADLER, S. The sandflies [Phlebotomus] of Cyprus (Diptera). B. Ent. Res. 36: 497-511. Feb. 1946. Ref. 421 B87

Includes *F. fallax* cypriotica n. var and *F. azizi* n. sp.

25919 ALEXANDER, C. P. New nearctic crane-flies (Tipulidae, Diptera). Part XXV. Canad. Ent. 77: 186-191. Oct. 1945. 421 C16

Five n. sp in Tipula.

25920 ALEXANDER, C. P. New or little-known Tipulidae (Diptera). LXXV. Neotropical species. Ann. & Mag. Nat. Hist. (ser. 11) 12: 390-419. June 1945. 410 An77

Ecuadorian collections including new spp. in: Brachypremna 2; Limonia 8; Polymera; Limnophila; Atarba 2; Gonomyia; Gnophomyia; Styringomyia.

25921 ALEXANDER, C. P. Studies on the crane-flies of Mexico. Part VIII. (Order Diptera, superfamily Tipuloidea). Ent. Soc. Amer. Ann. 39(1): 119-139. Mar. 1946. 420 En82

New spp. in: Tipula; Limonia; Dicranota 2; Oxydiacus; Shannonomyia 2; Atarba; Tencholabis; Gonomyia 5; Gnophomyia; Erioptera 2; Cryptolabis 2; Molophilus.

25922 ANDERSEN, E. E. Control measures against the fruit fly. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 187, 2 p. 1946. 24 So82Pa

25923 BRATVOLD, O. G. Get that milk thief!! West. Farm Leader 11: 66, 67. Mar. 1, 1946. 280.28 W52

Warble fly [Hypoderma] control.

25924 BROOKS, A. R. The genus *Girschneria* Townsend (Diptera, Tachinidae). Canad. Ent. 77: 184-185. Oct. 1945. 421 C16

By comparison with *Leschnaultia*, plumose bristles believed derived from host cocoon.

25925 CARTWRIGHT, W. B., CALDWELL, R. M., and COMPTON, L. E. Relation of temperature to the expression of resistance in wheats to hessian fly [Phytophaga destructor]. Amer. Soc. Agron. J. 38: 259-263. Mar. 1946. 4 Am34P

25926 CHORLEY, J. K. Tsetse fly [Glossina], operations. Short survey of the operations by districts for the year ending December, 1944. Rhodesia Agr. J. 42: 493-499. Nov./Dec. 1945. 24 R34

25927 COOPER, K. W. The mechanism of non-random segregation of sex chromosomes in male *Drosophila miranda*. Genetics 31(2): 181-194. Mar. 1946. Ref. 442.8 G28

25928 CORTES P., R. Nuevos generos de taquínidos chilenos aliados a *Trichoprosopus* Macquart (Dipt., Tachinidae). Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 149-160. 1945. 410 R325

*Trichoceronia thermitana* n. g., n. sp.; *T. latifrons* n. comb.; *Stuardomyia crassisetia* n. g., n. sp.

25929 EIDE, P. M. The cherry fruitfly [Rhagoletis cingulata] problem in eastern Washington. Wash. State Hort. Assoc. Proc. (1945) 41: 55-61. 1946. 81 W273

25930 FALCIONI, A. C. No dé tregua a las moscas [Musca domestica]. Agrario 10(372): 15. Dec. 31, 1945. 9.3 Ag85

25931 FENTON, F. A. Death to the farm fly. South. Agr. 76(4): 14. Apr. 1946. 6 So83

Control by DDT.

25932 GERSDORFF, W. A. DDT against house flies; the comparative toxicity to houseflies of p,p' DDT, o,p' DDT, and pyrethrum extract. Soap and Sanit. Chem. 22(3): 126-127. Mar. 1946. 307.8 So12

25933 GRENSTED, L. W. An assemblage of Diptera on golden-rod. Ent. Monthly Mag. 82: 35. Feb. 1946. 421 En86

25934 HULL, F. M. The genus *Quichmana* Knab. Amer. Mus. Nat. Hist. Amer. Mus. Novitates, No. 1317, 17 p. Apr. 4, 1946. 500 N483N

Includes 5 n. spp. and forms

25935 LEONARD, V. B. Report of the Apple Maggot Control Board. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 111, 113-118. 82 NB5

Control of *Rhagoletis pomonella*.

25936 LIBBERMANN, J. Guerra a las moscas. Pam-pa Argentina 20(221): 12. Jan. 1946. 9 P19

25937 OSTROVSKIĬ, N. Proslanov komarik Stenodiplosis panicl Rood v Voronezhskoi oblasti [Millet gall midge Stenodiplosis panicl in the Voronezh Region]. Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(4/5): 36-40. 1945. 20 Akl

25938 OWSLEY, W. B. The comparative morphology of internal structures of the Asilidae (Diptera). Ent. Soc. Amer. Ann. 39(1): 33-68. Mar. 1946. Ref. 420 En82

25939 PACAUD, A. Recherches histochimiques sur les glucides au niveau des épithéliums et de la cuticule chez les larves de *Simulium*. Soc. de Biol. Compt. Rend. 139: 471-473. May 1945. 442.9 P21

25940 PAINTER, R. H. Warble fly [Hypoderma] control in 1946. Canad. Cattlemen 8: 173. Mar. 1946. 49 C16

25941 PASSAGE, R. J. Cattle grub [Hypoderma] shows great decrease in Skagit County. Skagit Co-op. Dairymen 23(7): 3, 9. Mar. 1946. 260.28 Sk1

25942 SABROSKY, C. W. Two new species of Ogcodes from Chile. Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 317. 1945. 410 R325

*O. triangularis* and *O. chilensis*.

25943 SCHWARTZ, H. H. Fly and insect control with DDT. Natl. Butter and Cheese J. 37(4): 45, 70, 72. Apr. 1946. 286.85 B98Bu

25944 SKOVHOLT, O., and HANSCHKA, H. W. Bakery sanitation; No. 10--flies and other flying insects. Bakers' Weekly 129(12): 83-84. Mar. 25, 1946. 389.8 B172

Includes use of DDT.



- 25945 STACKELBERG, A. A. Some new data on the status of the genus *Myennis* R. D. (Diptera, Otitidae). Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 684-686. 1945. 511 P444
- 25946 SVETLOV, P. G. Susceptibility of intestine epithelium in males and females of *Drosophila melanogaster* [i. e. *ampelophila*] to the noxious effect of lactic acid. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 355-357. 1945. 511 P444
- 25947 VANDERPLANK, F. L. Interating subspecies of the tsetse-flies *Glossina palpalis palpalis* R.-D. (from Nigeria), *G. p. martinii* Zumpt (from Lake Tanganyika), and *G. p. fuscipes* Newstead (from Uganda). (Abs.) Roy. Ent. Soc. London, Proc. Ser. C: J. Mtgs. 11: 10. Mar. 20, 1946. 420 L84Pc
- 25948 WRIGHT, S., and DOBZHANSKY, T. Genetics of natural populations. XII. Experimental reproduction of some of the changes caused by natural selection in certain populations of *Drosophila pseudoobscura*. Genetics 31(2): 125-156. Mar. 1946. Ref. 442.8 G28
- Culicidae
- 25949 ALAMEDA COUNTY, CALIFORNIA, MOSQUITO ABATEMENT DISTRICT. Annual report, 1945, 22 p., processed. Oakland, 1946. 428 ALL
- 25950 BARABASH-NIKIFOROV, I. I. Kyoproso o protivomaliariinof roli letuchikh myshei [Concerning the antimalarial role of bats]. Med. Parazitol. i Parazitar. Bolezni 14(3): 93. 1945. 448.8 M469
- Mosquitoes and other insects as food of bats.
- 25951 BISHOPP, F. C., and STAGE, H. H. A review of mosquito work in a world at war in 1944. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 13-35. 420 N46
- 25952 BOYD, W. S. Training and educational services on the Malaria Control in War Areas Program. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 129-134. 420 N46
- 25953 BRADLEY, G. H. Entomological evaluations of control work on the Malaria Control in War Areas Program during 1944. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 115-119. 420 N46
- 25954 CALDWELL, J. D. Malaria control in the Dominican Republic. Puerto Rico J. Pub. Health and Trop. Med. 21: 193-200. Dec. 1945. 448.8 P83
- Same article in Spanish, p. 201-208.
- Refers to *Anopheles* spp. as vectors.
- 25955 DODGE, H. R. Identification of *Culex* males under low magnification. Ent. Soc. Amer. Ann. 39(1): 140-142. Mar. 1946. 420 En82
- 25956 DORER, B. E. What is the outlook for the mosquito control specialist? N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 93-94. 420 N46
- 25957 DOWNS, W. G., and PITTEDRIGH, C. S. Bromeliad malaria in Trinidad, British West Indies. Amer. J. Trop. Med. 26(1): 47-66. Jan. 1946. Ref. 448.8 Am33
- Anopheles bellator*, vector, lives in bromeliads.
- 25958 DUNNEY, W. Mosquito work in Passaic County. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 87-91. 420 N46
- 25959 EVANS, W. G. The mosquito control program in Camden County. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 174-177. 420 N46
- 25960 FELLTON, H. L., and others. Malaria control in the Northeastern States. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 223-230. 420 N46
- R. C. Barnes, C. A. Wilson, and M. Boyers, joint authors.
- Anopheline surveys.
- 25961 GARNHAM, P. C. C., HARPER, J. O., and HIGHTON, R. B. The mosquitoes of the Kaimosi Forest, Kenya Colony, with special reference to yellow fever. B. Ent. Res. 36: 473-494. Feb. 1946. Ref. 421 B87
- 25962 GIES, R. W., and STABLER, R. M. Mosquito work on a war time basis, special problems and manner in which they are being met in Delaware County, Pennsylvania. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 101-102. 420 N46
- 25963 GILBERT, J. J., and REED, W. D. Sprayers and dusts for dispersing insecticides and rodenticides. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 230-236. 420 N46
- 25964 GILLETT, J. D. Notes on the subgenus *Coquillettidia* Dyar (Diptera, Culicidae). B. Ent. Res. 36: 425-438. Feb. 1946. 421 B87
- Includes *Taeniorhynchus atroapicalis* n. sp.
- 25965 GINSBURG, J. M. Progress in the development of DDT mosquito larvicides. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 45-56. Ref. 420 N46
- 25966 GLASGOW, R. D. A possible new place for explosives in mosquito control practice. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 216-219. 420 N46
- 25967 GRANETT, P., and HAYNES, H. L. Laboratory evaluation of chemicals for rendering fabric repellent to mosquitoes. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 82-87. 420 N46
- 25968 GRAY, R. F. Mosquito control work in California in 1944. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 91-92. 420 N46
- 25969 HACKETT, L. W. Un problema en epidemiologia. Soc. Cient. Argentina. An. 140: 428-448. 1945. 516 S09
- Anopheles* mosquitoes and malaria.
- 25970 HALL, T. F., PENFOUND, W. T., and HESS, A. D. Water level relationships of plants in the Tennessee Valley with particular reference to malaria control. Tenn. Acad. Sci. J. 21(1): 18-59. Jan. 1946. Ref. 500 T25A
- Relation to ecology of *Anopheles quadrimaculatus*.
- 25971 HANSENS, E. J. Experiments using DDT for the control of resting adults of *Anopheles quadrimaculatus* Say. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 57-61. 420 N46
- 25972 HEAL, R. E., and PERGRIN, M. M. A technique for the laboratory rearing of *Anopheles quadrimaculatus* Say. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 105-112. 420 N46
- 25973 HENDERSON, J. M. Operational planning for the malaria control in war areas DDT residual house spraying program. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 75-80. 420 N46
- 25974 HILTON, MRS. J. J. The interest of the Jersey Federation of Women's Clubs in wartime mosquito control. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 179-180. 420 N46
- 25975 IAGUZHINSKAIA, L. V. Morfologiya krovi nogo komka i khimicheskie izmeneniya pigmenta krovi na raznykh stadiakh pishchevarenia u samki *Anopheles maculipennis* MGN (Morphology of the blood clot and the chemical changes of the blood pigment at the various stages of digestion in *Anopheles maculipennis* Mgn). Med. Parazitol. i Parazitar. Bolezni 14(2): 38-45. 1945. Ref. 448.8 M469
- 25976 IAGUZHINSKAIA, L. V. Perenoschiki malfarii v Severnoy chasti Urgutskogo raiona po nabludeniyam 1943 g. [Malaria vectors in the Northern part of the Urgut District according to the observations of 1943]. Med. Parazitol. i Parazitar. Bolezni 14(3): 47-56. 1945. 448.8 M469
- Anopheles*.
- 25977 IAKUSHEVA, A. I. Soveshchanie po bor'be s malariei i gel'mintozami [Conference on the control of malaria and helminthiasis]. Med. Parazitol. i Parazitar. Bolezni 14(2): 86-88. 1945. 448.8 M469
- At the Narodnyy Komissariat Zdravookhraneniya SSSR i RSFSR [People's Commissariat of Public Health of the USSR and RSFSR].



- 25978 JOHNSON, J. A., JR., MARTIN, W. B., and BRESLOW, L. Dengue-like fever on Okinawa. U. S. Army Med. Dept. B. 5: 306-311. Mar. 1946. 152.9 Ar52  
Believed transmitted by *Aedes* mosquitoes.
- 25979 LAMB, J. C. The need for mosquito control in Cumberland County. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 171-172. 420 N46
- 25980 MCCOY, O. R. The Army's program to minimize the danger of introduction of mosquito-borne diseases by returning personnel. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 236-239. 420 N46
- 25981 MADDOCK, MRS. C. The Mercer County Mosquito Extermination Commission. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 177-178. 420 N46
- 25982 MARTIN, W. B. The outlook for new programs of mosquito control in New Jersey. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 180-183. 420 N46
- 25983 MEHORTER, H. The need for mosquito control in Gloucester County. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 173-174. 420 N46
- 25984 MULHERN, T. D. A summary of mosquito work in New Jersey in 1944. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 142-170. 420 N46
- 25985 PEPPER, B. B. The relation of mosquitoes to New Jersey agriculture. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 198-201. 420 N46  
Relation to livestock industry, land values, and farm personnel.
- 25986 PERRY, W. J. Keys to the larval and adult mosquitoes of Espiritu Santo (New Hebrides) with notes on their bionomics. Pan-Pacific Ent. 22(1): 9-18. Jan. 1946. 421 P193
- 25987 PROKOPENKO, L. I. Analiz prichin tiazhelei epidemii mal'arii v 1942 g. V [sic] Urgutakom raione Samarkandskoi oblasti i sistema meropriatiy po preduprezhdeniyu pod"ema zabol'evаемosti mal'ariiei v 1943 g. [Analysis of the causes of the severe malaria epidemic in 1942 in the Urgut District of the Samarkand Region and control measures for the prevention of the increase of malaria in 1943]. Med. Parazitol. i Parazit. Bolezni 14(3): 15-33. 1945. 448.8 M469  
Includes *Anopheles* vectors and their control.
- 25988 PROKOPENKO, L. I. Parazitonositel'stvo *Pl. vivax* v svezhem ozhage mal'arii pri provedenii lecheniykh meropriatiy [Parasite, *Anopheles maculipennis*, carrying of *Plasmodium vivax* in a new area of malaria under control measures]. Med. Parazitol. i Parazit. Bolezni 14(2): 3-13. 1945. 448.8 M469
- 25989 REES, D. W. The utilization of fish by a mosquito abatement district; their effectiveness and limitations. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 211-216. 420 N46
- 25990 REEVES, R. S., PACKER, H. M., and GIES, R. W. Mosquito work on a wartime basis, special problems and the manner in which they are being met in Philadelphia. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 100-101. 420 N46
- 25991 RIBBANDS, C. R. Moonlight and house-haunting habits of female anophelines in West Africa. B. Ent. Res. 36: 395-417. Feb. 1946. Ref. 421 B87  
Three spp. of *Anopheles*.
- 25992 RUSSELL, P. F. Lessons in malariology from World War II. Amer. J. Trop. Med. 26(1): 5-13. Jan. 1946. Ref. 448.8 Am33  
Increased knowledge of *Anopheles*.  
Advances in repellents and insecticides.
- 25993 RUTH, P. W. Mosquito work on a war time basis, special problems and the manner in which they are being met in Norfolk [Va.]. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 94-96. 420 N46
- 25994 SAMMIS, R. H. Mosquito work on a wartime basis, special problems and the manner in which they are being met in Nassau County [New York]. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 103-104. 420 N46
- 25995 SCHMITT, J. B. Species associations of mosquito larvae in New Jersey. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 202-211. 420 N46
- 25996 SHIKHOV, N. I. Protivomaliariinoye opylenie risa v faze tsvetenifa [Antimalarial dusting of rice during its blossoming time]. Med. Parazitol. i Parazit. Bolezni 14(3): 89-92. 1945. 448.8 M469  
Airplane dusting to prevent breeding of mosquitoes.
- 25997 SHILLITO, F. H. The mosquito and mosquito-borne disease problem in international airlines operation. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 239-242. 420 N46
- 25998 STABLER, R. M. Mosquito transmission of disease. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 119-128. Ref. 420 N46
- 25999 STAGE, H. E. The development of DDT as a mosquito control agent. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 62-73. Ref. 420 N46
- 26000 SUFFOLK COUNTY (NEW YORK) MOSQUITO EXTERMINATION COMMISSION. Report, 1944/45, 17 p. Yaphank, 1945. 428 Su2
- 26001 TWINN, C. R. Report of a survey of anopheline mosquitoes in Canada in 1944. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 242-251. 420 N46
- 26002 ULITCHEVA, A. V. Kharakteristika anofel'ogennykh vodoemov Urgutskogo raiona [Description of the *Anopheles*-breeding areas in the Urgut District]. Med. Parazitol. i Parazit. Bolezni 14(3): 34-47. 1945. 448.8 M469
- 26003 VOGT, G. B. Anti-malaria mosquito work in Maryland. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 251-253. 420 N46
- 26004 WALSON, C. M., and OSMUN, J. V. Mosquito work done by the Army in the Second Service Command with special reference to entomological phases. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 219-222. 420 N46
- 26005 WEATHERSEEE, A. A. Mosquito control at the Naval Base, Norfolk, Virginia. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 96-99. 420 N46
- 26006 WRIGHT, E. Mosquito work on a wartime basis, special problems and the manner in which they are being met. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 254-256. 420 N46  
In Massachusetts.
- 26007 YEAGER, C. H. Mosquito work in the other Americas. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 134-142. 420 N46
- 26008 ZUKAUCKAS, E. W. The mosquito control and training program at Fort Dix in 1943. N. J. Mosquito Extermin. Assoc. Proc. (1945) 32: 257-258. 420 N46

## HEMIPTERA (HETEROPTERA AND HOMOPTERA)

- 26009 ADAMS, J. B. Aphids [*Rhopalosiphum pruni-foliae*] on Canada wild rice. Canad. Ent. 77: 196. Oct. 1945. 421 G16
- 26010 AIRY SHAW, H. K. Feeding habits of *Coreus marginatus* L. (Hem.-Het., Coreidae). Ent. Monthly Mag. 82: 43. Feb. 1946. 421 En86
- 26011 AIRY SHAW, H. K. Feeding habits of *Palomena prasina* L. (Hem.-Het., Pentatomidae). Ent. Monthly Mag. 82: 42. Feb. 1946. 421 En86
- 26012 AIRY SHAW, H. K. On some problems connected with *Hyalopteris dactylidis* Hayh. and *Hyalopteroides pallida* Theob. (Hem.-Hom., Aphididae). Ent. Monthly Mag. 82: 30-34. Feb. 1946. Ref. 421 En86
- 26013 BARNES, S. The influence of certain biological factors on the resistance of bed-bugs (*Cimex lectularius*, L.) to DDT. B. Ent. Res. 36: 419-422. Feb. 1946. 421 B87



- 26014 BEAMENT, J. W. L. Waterproofing mechanism of an insect egg [*Rhodnius prolixus*]. Nature [London] 157: 370. Mar. 23, 1946. 472 N21
- 26015 BJORNSETH, E. H. One year's results from dusting snap beans to control anthracnose and leafhoppers. Mich. Agr. Expt. Sta. Q. B. 28: 191-193. Feb. 1946. 100 M585
- Includes control of leafhoppers with DDT dust.
- 26016 BOX, H. E. The cacao pest situation in West Africa and the Cameroons, with special reference to *Sahlbergella singularis* Hagl. and *S. theobroma* Dist (Hemiptera: Capsidae). Report upon a visit to French Togo, Dehorney, Nigeria and the Cameroons during the dry season, December, 1943 to March, 1944. West African Cacao Res. Inst. Tech. B. 1, 69 p., processed. Tafo, 1944. 68.39 T12
- 26017 DAVIS, L. G. Pear psylla [*P. pyricolae*] control in 1945. Wash. State Hort. Assoc. (1945) 41: 143-145, 147-149. 1946. 81 W273
- 26018 DELONG, D. M. A new genus (Costamia) and species [*C. venosa*] of Mexican leafhopper (Homoptera: Cicadellidae). Ent. Soc. Amer. Ann. 39(1): 82-83. Mar. 1946. 420 En82
- 26019 DRAKE, C. J., and HAMBLETON, E. J. New species and new genera [Zelotingsia, Vatica] of American Tingidae (Hemiptera). Biol. Soc. Wash. Proc., v. 59, p. 9-16. Mar. 11, 1946. 500 W272
- New spp. and forms in: Vatica 2; Leptopharsa 4.
- 26020 FLUKE, C. L. Recommendation for oyster shell scale [*Lepidosaphes ulmi*] control--1946 season. Wis. Hort. 36: 135. Feb. 1946. 80 W752
- 26021 GLOVER, L. C. Grape leafhopper [*Erythro-neura*] control using D.D.T. vapor sprays. Wines & Vines 27(3): 18-20, 29. Mar. 1946. 95.8 C122
- 26022 HESLOP-HARRISON, G. A contribution to our knowledge of the distribution of certain Palaearctic Psyllidae (Hem.). Ent. Monthly Mag. 82: 36-37. Feb. 1946. 421 En86
- 26023 LANGHAM, D. G., and RODRIGUEZ, M. Resistencia al afido (*Myzus persicae* Sulz) en el ajonjolí (*Sesamum indicum* L.). Venezuela. Inst. Expt. de Agr. y Zootec. C. 13, 7 p. El Valle, 1945. 9.95 E11
- 26024 LEAL, E. Profilaxia da doença de Chagas. Brasil Med. 60: 28-29. Jan. 19/26, 1946. 488.8 B73
- Refers to *Triatoma* sp. as vector.
- 26025 MESA CARRIÓN, F. Principales cochinillas que atacan nuestros citrus. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 13. Jan. 10, 1946. 9.9 G15B
- 26026 OMER-COOPER, J., WHITNALL, A. B. M., and GLAHOLM, J. Natural control of red scale, *Aonidiella aurantii* Mask. Citrus Grower, No. 145, p. 5, 7-8. Feb. 23, 1946. 80 C495
- 26027 RUSSELL, L. M. A new African species of *Paurocephala* Crawford (Homoptera: Psyllidae: Pauropsyllinae). Wash. Acad. Sci. J. 36: 94-97. Mar. 15, 1946. 500 W276J
- P. urenae*.
- 26028 SHCHERBAKOV, A., and OKNINA, E. Ispol'zovanie otkhodov kozhevennoi promyshlennosti kak sredstva bor'by s klopom-cherepashkoj [Utilization of waste products in the leather industry in the control of *Eurygaster integriceps*]. Vsesoiuzn. Akad. Sel'skokhoz. Nauk im. V. I. Lenina. Dok. 10(4/5): 41-44. 1945. 20 Akl
- Sodium sulfide and sodium arsenate.
- 26029 TEPLYAKOVA, M. J. Comparative data on the development of reproductive organs in *Eurygaster integriceps* Put. in the plains of the South of the USSR and in Uzbekistan. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 221-224. 1945. 511 P444
- 26030 USINGER, R. L. Notes on Cuban Triatominae (Hemiptera, Reduviidae). Pan-Pacific Ent. 22(1): 19. 20. Jan. 1946. 421 P193
- HYMENOPTERA
- 26031 ALLEN, W. R. Stingless bees. Brit. Bee J. 74: 53. Feb. 21, 1946. 424.8 B77
- Melipona* spp.
- 26032 BOERGER, A. Modos efectivos de combatir las hormigas. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 7. Jan. 3, 1946. 9.9 G15B
- 26033 CEBALLOS, G. Los Banchini de la colección del Instituto Español de Entomología (Hymenopt-Ichneumonidae). Eos 21(1): 73-82. May 30, 1945. 421 Eo7
- 26034 DREIBACH, R. R. The green halictine bees of the genera *Agapostemon*, *Augochlora*, *Augochlorella*, and *Augochloropsis* (Hymenoptera: Apoidea) in Michigan, with keys and distribution. Mich. Acad. Sci., Arts, and Letters. Papers (1944) 30: 221-227. Smithsonian Institution
- 26035 FORSSLUND, K. H. Något om röda tallstekeln (Diprion [i. e. Neodiprion] sertifer Geoffr.) skadegörelse (Einiges über die schädigungen der roten kiefernbuschhornblattwespe (Diprion sertifer Geoffr.)). Sweden. Statens Skogsförskningsanst. Meddel., No. 34, p. 365-390. 1945. Ref. 99.9 Sw32
- German summary, pp. 389-390.
- 26036 GINER MARÍ, J. *Astata* palearticas; IV. Monografía de las *Astata* Latr. de España (Hymen. Sphec.). Eos 21(1): 45-71. May 30, 1945. 421 Eo7
- 26037 GREAT antiquity of the bee. By Cornu. Brit. Bee J. 74: 54. Feb. 21, 1946. 424.8 B77
- 26038 GRIOT, M., and others. Observaciones sobre un parasito secundario del "bicho de cesto" [*Oiketicus kirbyi*]. Argentina. Inst. de Sanid. Veg. [P.], Ser. A. v. 2, No. 10, 6 p. Buenos Aires, 1946. 464.9 Ar323
- H. Gahan, R. Silberman, and A. Icart, joint authors. *Tetrastichus pseudoceticola* on *Spilochalcis bergi*.
- 26039 GUSSAKOVSKY, V. A new genus of Cephidae (Hymenoptera) from Tadzhikistan. Acad. des Sci. l'U. R. S. S. Compt. Rend. (n. s.) 48: 530-531. 1945. 511 P444
- Hissarocephus stackelbergi*, n. g., n. sp.
- 26040 HAMBLETON, E. J. El exterminio de la hormiga agricultora o parasol [*Atta* sp.]. Paraguay. Min. de Agr. Rev. de Agr. y Ganad. No. 14, p. 17-25. Oct. 1945. 9.7 Ag8Re
- 26041 LIZER Y TRELLES, C. A. La hormiga invasora [*Iridomyrmex humilis*]. Aberdeen Angus [Buenos Aires], No. 29, p. 92-93. Summer 1946. 43.8 Ab33
- 26042 MARIANO, J. (FILHO). A luta da ciência contra a saúva; contribuição ao conhecimento da biologia de algumas espécies do genero *Atta*. Agr. e Pecuaria 16(272): 17-20, 21. Dec. 1945. 9.2 Ag89
- 26043 NIKOLSKAIA, M. N. Evolution of Eurytoma species (Hymenoptera, Chalcididae) in connexion with the geographical distribution of their food-plants of the subfam. Prunoideae. Acad. des Sci. de l'U. R. S. S. Compt. Rend. (n. s.) 48: 609-611. 1945. Ref. 511 P444
- 26044 FEARCE, E. J. Two rare parasitic hymenoptera. Ent. Monthly Mag. 82: 44. Feb. 1946. 421 En86
- Thaumatotypus billupsii* and *Embolemus ruddii*.
- 26045 PICKLES, W. An ecological study of the ant *Tapinoma nigerrimum* Nyl. (Hym., Formicidae) in Algeria. Ent. Monthly Mag. 82: 41. Feb. 1946. 421 En86
- 26046 RAPP, W. F., JR. Ichneumonidae notes. Ent. News 57(1): 12-13. Jan. 1946. 421 En88
- 26047 RAU, P. The nests and the adults of colonies of *Polistes* wasps. Ent. Soc. Amer. Ann. 39(1): 11-27. Mar. 1946. 420 En82
- 26048 RAYMENT, T. New bees and wasps--part I. Notes on the Biology of *Exoneuræ*, with a specific description. Victorian Nat. 62: 178-184. Feb. 1946. 410 V66
- Includes *E. holmesi*, n. sp.



26049 SPOONER, G. M. Hymenoptera Aculeata from Charnwood Forest, Leicestershire. Ent. Monthly Mag. 82: 25-29. Feb. 1946. 421 En82

26050 WEBER, N. A. Dimorphism in the African *Oecophylla* worker and an anomaly (Hym.: Formicidae). Ent. Soc. Amer. Ann. 39(1): 7-10. Mar. 1946. 420 En82

See also Apiculture and *Anis mellifera*.

## LEPIDOPTERA

26051 ALLAN, P. B. M. Foodplants of *Euproctis similis*, Fues. (*Porthesia auriflua*, Fab.). Ent. Rec. and J. Variation 58: 40. Mar. 1946. 421 En89

26052 CHAFFIN, W. D. Borers [*Diatraea grandiosella*] threaten Carter County corn crop. Farmer-Stockman 59: 77. Feb. 1946. 6 Ok45

26053 CURRAN, C. H. Insects in the house--measuring worms [geometrid larvae]. Nat. Hist. 55: 155. Apr. 1946. 500 M483J

26054 FEARNEHOUGH, T. D. The winter rearing of *Argynnis euphrosyne*. Ent. Rec. and J. Variation 58: 32-33. Mar. 1946. 421 En89

26055 FREIBERG, M. A. Contribucion al conocimiento de la biologia de *Alabama argillacea* (Hübner) oruza de la hoja - plaga del algodonero. Argentina. Inst. de Sanid. Veg. [P.], Ser. A. v. 1, No. 9, 15 p. Buenos Aires, 1945. 464.9 Ar323

26056 HODSON, A. C., and ZEHNGRAFF, P. J. Budworm [*Archips fumiferana*] control in jack pine by forest management. J. Forestry 44: 198-200. Mar. 1946. 99.8 F768

26057 LEEDS, H. A. Butterfly collecting in Wood Walton, Hunts., area, and on a visit to the Chiltern Hills during 1945. Ent. Rec. and J. Variation 58: 33-37. Mar. 1946. 421 En89

26058 LEMPKKE, B. J. Some remarks on the nomenclature of "*Apamea hepatica* Hb." Entomologist 79: 25-30. Feb. 1946. 421 En8

*Apamea hepatica* Hb. is correctly *A. caracterea*; 2 new forms.

26059 MONRO, H. A. U. Low temperature fumigation. Canad. Ent. 77: 192-196. Oct. 1945. Ref. 421 C16

Experiments with *Pyrausta nubilalis*.

26060 MULHUE, G. Eradication of prickly pear [by *Cactoblastis cactorum*]. J. Sci. and Indus. Res. 4: 424-425. Jan. 1946. 475 J82

26061 PATRICK, H. H. Two aberrations of *Abraxa grossulariata* L. (Abs.) Roy. Ent. Soc. London, Proc. Ser. C: J. Mtgs. 11: 9. Mar. 20, 1946. 420 L84Pc

26062 PLUMB, K. P. How to get the best of the eastern tent caterpillar [*Malacosoma americana*]. Flower Grower 33: 254, 280-281. Apr. 1946. 80 M72

26063 PRIDEAUX, R. M. Notes on rearing *Argynnis cydippe* (adippe). Ent. Rec. and J. Variation 58: 37-38. Mar. 1946. 421 En89

26064 RUBINSTEIN, D., and SHEKUN, L. Effect of ions upon the production of vitamins in the yeast cells. Nature [London] 157: 370. Mar. 23, 1946. 472 N21

Investigation of nutrition of *Galleria mellonella*.

26065 RINGS, C. Misiones marocaines d'etudes des acridiens migrateurs. Resultats scientifiques. VII (1).-Contribution à la connaissance des lepidoptères du Sahara Nord Occidental. (=XII, notes de lepidopterologie marocaine). Eos 21(1): 7-43. May 30, 1945. 421 Eo7

Includes n. spp. and forms in: *Oedibrya* 2; *Tarache*; *Acrobyla*; *Glossotrophia*; *Sterrhia*.

26066 WAGENKNECHT HUSS, R. Nueva distribucion geografica de una mariposa chilena [*Terias deva*]. Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 76-77. 1945. 410 R325

26067 WILTSHIRE, E. P. Middle East Lepidoptera: new forms and species. VII. Ent. Rec. and J. Variation 58: 25-32. (To be cont.) Mar. 1946. 421 En89

New spp. and forms from Iran and Iraq in: *Melitaea* 2; *Eogena*; *Trichiura*; *Chondrostega*; *Dyspessa*; *Acronycta*; *Anchoscelis*; *Tamsola*; *Cidaria*.

26068 WIND, R. G. Some new [sub]species of North American *Satyridae* (Lepidoptera). Pan-Pacific Ent. 22(1): 25-27. Jan. 1946. 421 P193

*Minois meadii melania*; *Megisto rubricata smithorum*; *Neonympha henshawi texana*.

See also Sericulture and the Silkworm.

## ORTHOPTERA

26069 AIRY SHAW, H. K. Courtship of *Gomphocerus rufus* L. (Orth., Acrididae). Ent. Monthly Mag. 82: 37. Feb. 1946. 421 En86

26070 LIEBERMANN, J. Los acridoideos de Chile. Rev. Chilena de Hist. Nat. Pura y Aplicada 48: 161-316. 1945. 410 R325

26071 MALLAMAIRE, A. Note sur l'emploi de la pastèque, *Citrullus vulgaris*, Schrad. (Cucurbitaceae) dans la préparation des appâts empoisonnés. B. Ent. Res. 36: 423-424. Feb. 1946. 421 B87

For control of *Schistocerca gregaria*.

26072 MAROTTA, F. P. En una transmisión radiofónica refirióse nuevamente el ingeniero Marotta a la lucha contra la langosta. Argentina. Min. de Agr. Not. 10: 102. Dec. 10, 1945. 9 Ar311N

26073 MAROTTA, F. P. Ha sido centralizada en un organismo la lucha contra la langosta. Argentina. Min. de Agr. Not. 10: 89, 90. Nov. 20, 1945. 9 Ar311N

26074 SCHARER, B. The relationship between corpora allata and reproductive organs in adult *Leucophaea maderae* (Orthoptera). Endocrinology 38(1): 46-55. Jan. 1946. Ref. 448.8 En2

26075 SCHARER, B. The role of the corpora allata in the development of *Leucophaea maderae* (Orthoptera). Endocrinology 38(1): 35-45. Jan. 1946. Ref. 448.8 En2

26076 YEAGER, J. F., and MUNSON, S. C. Analysis of concentration-survival time curves of arsenite-injected roaches having different resistances. Ent. Soc. Amer. Ann. 39(1): 145-151. Mar. 1946. 420 En82

*Periplaneta americana* and *Blatta orientalis*.

26077 ZHINKIN, L. Regeneration of extremities in *Periplaneta* [i. e. *Blatta*] *orientalis*. Acad. des Sci. l'U. R. S. S. Compt. Rend. (n. s.) 48: 527-529. 1945. 511 P444

## SERICULTURE AND THE SILKWORM

26078 WEKERLIN, H. C. Sericultura e cooperativismo no paraná. Agr. e Pecuaria 16(272): 24. Dec. 1945. 9.2 Ag89

## SMALLER ORDERS

26079 BEATTY, G. H., III. Dragonflies (Odonata) collected in Pennsylvania and New Jersey in 1945. Ent. News 57(1): 1-10. (To be cont.) Jan. 1946. 421 En88

26080 CHASE, L. M. The life of the dragonfly [Odonata]. Frontiers 10: 112-113. Apr. 1946. 410 P02

26081 CORRINGTON, J. D. Under the microscope; the flea--mighty mortician. Nature Mag. 39: 221-223. Apr. 1946. 409.6 N214

- 26082 HANSON, J. F. Comparative morphology and taxonomy of the Capniidae (Plecoptera). Amer. Midland Nat. 35: 193-249. Jan. 1946. Ref. 410 M58
- 26083 HATOFF, A. Desensitization to insect bites. Amer. Med. Assoc. J. 130: 850-854. Mar. 30, 1946. 448.9 Am37  
Inoculation against flea bite.
- 26084 JONES, S. C. Pear thrips [Taeniothrips inconsequens] yield to DDT spray. Oreg. Farmer 69: 162. Mar. 21, 1946. 6 Or32  
On plums.
- 26085 M., H. A. Glasshouse thrips [Thysanoptera]. Gard. Chron. 119: 127-128. Mar. 16, 1946. 80 G162
- 26086 MACARTHUR, W. P. Habituation of *Pulex irritans* to animal host. Roy. Soc. Trop. Med. and Hyg. Trans. 39: 343-344. Feb. 1946. 448.9 B813
- 26087 MALDONADO CAPRILES, J. The fleas of Puerto Rico. Puerto Rico J. Pub. Health and Trop. Med. 21: 173-183. Dec. 1945. 448.8 P83  
Same article in Spanish, p. 184-192.
- 26088 NEWTON, A. H. Statistics of *Palaeobasis tenella* Vill. (Odon., Coenagrionidae) in a Somerset colony. Ent. Monthly Mag. 82: 40. Feb. 1946. 421 En86
- 26089 SMITH, A. J. Control of citrus thrips [Scirtothrips aurantii] in western Transvaal. Citrus Grower, No. 145, p. 9-10. Feb. 28, 1946. 80 C495
- 26090 SNODGRASS, R. E. The skeletal anatomy of fleas (Siphonaptera). Smithson. Inst. Misc. Collect. v. 104, No. 18, 89 p. Washington, 1946. 500 Sm6M
- 26091 STRICKLAND, E. H. Adult Odonata as classroom material. Ent. Soc. Amer. Ann. 39(1): 28-32. Mar. 1946. 420 En82
- 26092 SWAINE, C. M. Records of Odonata from Flintshire (main part of county). Ent. Monthly Mag. 82: 42. Feb. 1946. 421 En86
- 26093 WOOD, K. Fleas that never bite. Country Guide 65(3): 52. Mar. 1946. 7 G76  
Snow fleas (*Achorutes nivicolus*).
- 26094 WRIGHT, M. A description of the nymph of *Sympetrum ambiguum* (Rambur), with habitat notes. Tenn. Acad. Sci. J. 21(1): 135-138. Jan. 1946. 500 T25A
- 26095 WRIGHT, M. The economic importance of dragonflies (Odonata). Tenn. Acad. Sci. J. 21(1): 50-71. Jan. 1946. 500 T25A
- Anoplura and Mallophaga
- 26096 CASSAMAGNAGHI, A. (HIJO). Infestación ectoparasitaria en las gallinas del país. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 32. Jan. 24, 1946. 9.9 G15B  
*Lipeurus caponis*.
- 26097 LEONOVA, N. A. O vozmozhnosti peredachi vshamoi spirokhet kleshchevoi vozvratnoi likhoradki Sp. uzbekistanica (Sp. sogdianum) (On the possibility of transmission by the lice of the spirochaetae of the tick recurrent fever Sp. uzbekistanica (Sp. sogdianum)). Med. Parazitol. i Parazit. Bolezni 14 (3): 79-82. 1945. 448.8 M469
- 26098 MCCORNACK, R. C. Cattle lice give flurry of trouble. Oreg. Dept. Agr. Agr. B. No. 149, p. 25. Mar. 1, 1946. 2 Or3
- 26099 RUBINSHTEIN, B. B. Air (*Acorus calamus* L.) -- novoe antipedikuleznoe sredstvo [Sweetflag (*Acorus calamus* L.) -- a new louseicide]. Med. Parazitol. i Parazit. Bolezni 14(2): 72-73. 1945. 448.8 M469  
For the control of *Pediculus humanus corporis*.
- 26100 ZAVALA R., D. Dos nuevas especies de la familia Gyropidae encontradas en los cuyes de Mexico. Mex. Inst. de Biol. An. 16: 435-444. 1945. Ref. 442.9 M57  
*Gliricola mexicana*, *Macrogyropus mexicanus*.
- 26101 ZAVALA R., D. Nueva especie del genero *Esthiopterum* [E. cornicephala], encontrada en un pato silvestre. Mex. Inst. de Biol. An. 16: 445-449. 1945. Ref. 442.9 M57
- 26102 ZAVALA R., D. Siphunculata [i. e. Anoplura] encontrado en un ave. Mex. Inst. de Biol. An. 16: 431-434. 1945. Ref. 442.9 M57  
*Poliplax campylopteri* n. sp.
- AGRICULTURAL ENGINEERING
- GENERAL
- 26103 AHLGREN, G. H. New greens aerator. Greenkeepers' Rptr. 14(1): 7-8. Jan./Feb. 1946. 60.18 G83
- 26104 GRAY, J. R. Farming is dangerous! Farmer-Stockman 59: 100. Feb. 1945. 6 Ok45
- 26105 TOENJES, W., and others. New tools for old practices. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 128-136. 1946. 81 M58  
E. J. Rasmussen, D. Berden, R. E. Grimm, J. Tharr, and D. Friday, joint authors.
- FARM MACHINERY
- General
- 26106 ARNOLD, C. R. Mechanized agriculture. (Excerpts.) Eggsaminer 22(4): 12. Dec. 1945. 286.85 Eg32
- 26107 BAINER, R. Present status of beet mechanization. Sugar J. 8(10): 8, 16. Mar. 1946. 65.8 Su391
- 26108 CHILDERS, L. E. Farm mechanization in the Southeast. Farm Impl. News 67(7): 43, 64, 66-67, 69-70. Mar. 28, 1946. 58.8 F22
- 26109 CRAIG, M. A. Soil conservation - a dealer's opportunity as consulting engineer to the farmer. Farm Equip. Retailing 1(4): 42, 58, 60-62. Apr. 1946. 58.8 F2292
- 26110 DAKER, A. Dados necessários à escolha e instalação do carneiro hidráulico para a elevação d'água nas fazendas. Rev. Ceres 6: 257-271. July/Aug. 1945. 9.2 C332
- 26111 DISCUSSION on "The Electrical Aspect of Farm Mechanization." Inst. Elect. Engin. J. Pt. 2 Power Engin. 93(31): 51-61. Feb. 1946. 335.9 In72  
Discussion by various people of a paper by C. A. C. Brown appearing in a previous issue (v. 91, Pt. II, p. 517. 1944.)
- 26112 DUFFY, W. J., JR. Mechanical development of the California rice industry. Rice J. 49(3): 3-4, 6, 8. Mar. 1946. 59.8 R26
- 26113 ENIX, R. Club boy builds labor-saving devices. Farmer-Stockman 59: 74. Feb. 1946. 6 Ok45
- 26114 FLAHE, C. E. The farm welder. Elect. Light and Power 24(3): 50-53. Mar. 1946. 335.8 EL243
- 26115 GILLETTE, G. L. Meeting a double responsibility; Farm Equipment Institute official reviews industry's wartime record - sums up contributions made by factories and dealers. Farm Equip. Retailing 1(1): 58, 84, 86. Jan. 1946. 58.8 F2292



26116 HIGGINS, F. H. California resumes farm machine conferences. Farm Impl. News 67(7): 36-38. Mar. 28, 1946. 58.8 F22

26117 HURST, H. Is the repair parts man a forgotten man of the industry? Impl. and Tractor 61 (6): 29, 62-63. Mar. 23, 1946. 58.8 W41

26118 KALBER, S. K. Periodic fan-motor check-ups pay. Smith's Chickagrams 15(2): 2. Feb. 1946. 47.8 Sm6

26119 KILMISTER, L. M. Let water work for you. West. Farm Leader 10: 405, 409. Dec. 7, 1. e. 21, 1945. 280.28 W52

Hydraulic rams.

26120 KRAUSS, E. A. Weighing the prospects for farm equipments. Forbes 57(8): 40-41. Apr. 15, 1946. 280.8 F74

26121 LITTON, J. G. A farmer's viewpoint. Agr. Ireland 3: 183-185. Mar. 1946. 10.5 Ag8

Methods of increasing unit returns of labor, particularly by mechanization.

26122 LOWE, B. N. Home made bag branding machine. West. Austral. Dept. Agr. J. 22: 208-210. Sept. 1945. 23 W52J

26123 NEWMAN, E. Facing new problems in the new year. Farm Impl. News 67(2): 46, 54. Jan. 17, 1946. 58.8 F22

26124 NICHOLS, M. L. Soil conservation - an equipment job. Farm Equip. Retailing 1(4): 40, 52, 54. Apr. 1946. 58.8 F2292

26125 NOBLE, W. R. Veterans' preference order is amended. Farm Equip. Retailing 1(3): 16-17. Mar. 1946. 58.8 F2292

Priority for new farm equipment.

26126 SAMSEL, L. G. Soil conservation - an equipment market. Farm Equip. Retailing 1(4): 37-38, 56. Apr. 1946. 58.8 F2292

26127 SHEPHERD, T. L. Tools for handling cattle. Canad. Hereford Digest 4(1): 18, 27, 35. Mar. 1946. 43.8 Cl64

26128 SWEENEY, L. M. Big selling job ahead. Farm Equip. Retailing 1(3): 36, 91-97. Mar. 1946. 58.8 F2292

26129 SWEENEY, L. W. Watch out for the detours. Farm Impl. News 67(2): 44, 56, 58, 60, 62. Jan. 17, 1946. 58.8 F22

Outlook for equipment dealers.

26130 TALLADAY, L. J. A farmer reports on mechanized beet harvesting. Sugar 41(3): 28-31. Mar. 1946. 65.8 Fl1

26131 TAYLOR, R. H. Meeting special needs of California farms spells success for this equipment dealer. Sunsweet Standard 39(10): 5-6. Mar. 1946. 286.83 Su7

26132 TOMLINSON, C. Reporting to "constituents"; representative of farm equipment retailers outlines program of Agricultural Committee of the U. S. Chamber of Commerce and reviews recent meeting. Farm Equip. Retailing 1(1): 30, 32. Jan. 1946. 58.8 F2292

26133 TUCKER, J. The job ahead for the manufacturer. Farm Impl. News 67(3): 31, 36-38. Jan. 31, 1946. 58.8 F22

#### Tillage Machinery

26134 CASTAÑEDA, J. E. El arado. Agr. Mex. 62 (2): 33-35. (Cont.) Feb. 1946. 8 Ag8

26135 EMERSON, A. W. Washburn's beamless plow jumps over stones and stumps. Farm Impl. News 67 (2): 42-43. Jan. 17, 1946. 58.8 F22

26136 FLOWERS, J. Hoeing cotton with fire requires good preparation. Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 15. Apr. 1946. 6 So81

26137 PREBLE, G. A. The shuffle hoe tool. Rural New-Yorker 105: 275. Apr. 6, 1946. 6 R88  
Describes a hand cultivator hoe devised by the author.

#### Planting Machines and Fertilizer Distributors

26138 CALDWELL, A. C., MACGREGOR, J. M., and ROST, C. O. Shall we apply fertilizer with the plow? Minn. Farm and Home Sci. [Minn. Sta.] 3(2): 6-7. Feb. 20, 1946. 100 M688

26139 ELDER, C. R. Less time in the corn field! Farm J. 70(4): 27. Apr. 1946. 6 F2212

Corn planting equipment.

26140 PRIAULX, A. W. Tree planter. Amer. Forests 52: 120-121, 138-139. Mar. 1946. 99.8 F762

#### Harvesting, Threshing, Drying, and Processing Equipment

26141 AITCHISON, J. Why not make our own dairy equipment. Co-op. News No. 3888, p. 10. Dec. 8, 1945. 280.28 C7897

Equipment manufacture by cooperatives.

26142 ARAUJO, A. A. DE. Como fazer o capim. Chacaras e Quintais 71: 595. May 15, 1945. 9.2 G34

26143 ARMSTRONG, T. V., and HURGWALD, L. H. Cleansing of square and round milk bottles. Milk Dealer 35(6): 52, 124, 126, 128-129. Mar. 1946. 44.8 M595

26144 AVERKIN, S. V. Zamena shestarenchatoi peredachi prostoi molotilki kanatnoi [Replacement of pinion drive in simple threshing by rope drive]. Sel'so (Ser. Kolkhoz. Zeml.) 14(102/103): 1-2. 1945. 20 Se475

26145 BORLAND, A. A. Better dairy tools. Hoard's Dairyman 91: 92, 122. Feb. 10, 1946. 44.8 H65

26146 BRYANT, L. R. Observations of milk can washing by the acid method. Canad. Dairy and Ice Cream J. 25(3): 30-32, 68. Mar. 1946. 44.8 Cl62

26147 BURNS, V. E. Watch your equipment. Quick Frozen Foods 8(8): 154, 166. Mar. 1946. 389.8 Q4

26148 CAMPBELL, W. E. New cleaning compounds simplify cleanliness - safeguard quality. West. Dairy J. 2(6): 17, 92-93. Apr. 1, 1946. 44.8 W524

Cleaning of dairy equipment.

26149 CLAYTON, M. M. 576-kw. spray-process powdered milk dryer. Elect. World 125(3): 184, 186, 188. Jan. 19, 1946. 335.8 EL2

26150 DAY, D. D. Gin problems on machine-picked cotton. Cotton and Cotton Oil Press 47(6): 5-8. Mar. 23, 1946. 304.8 C822

26151 DE KOCK, A. A. Care of milking machines. Irish Agr. and Creamery Rev. (n. s.) 16(146): 18-19. Feb. 1946. 44.8 C866

Washing and sterilization.

26152 FARLEY, J. W. Important factors in planning the milk and ice cream plant. South. Dairy Prod. J. 39(4): 66-69. Apr. 1946. 44.8 So83

Designs and specifications.

26153 FLOUR production in East London; the new C.W.S. [Cooperative Wholesale Society] Victoria dock mill; part 1. Food [London] 15(174): 67-71. Mar. 1946. 389.8 F738

26154 HAMILTON, E. W. Hay can be now-finished; losses in feed value caused by exposure to sun and rain can be prevented. The job is done by shortening field-drying time, using air forced thru stored hay. Successful Farming 44(4): 22, 48-49. Apr. 1946. 6 Su12

26155 HUSTHULID, A., and WINTER, J. D. Home freezers - build right, buy right. Minn. Farm and Home Sci. [Minn. Sta.] 3(2): 1, 10-11. Feb. 20, 1946. 100 M688

26156 KAKOVLEV, A. G. Kak uskorit' rabotu zernosushilki Vishkom [How to speed up the work on the Vishkom grain drier]. Sel'so (Ser. Kolkhoz. Zeml.) 14(144): 1-2. 1945. 20 Se475

26157 JERRINGS, C. Hay drier a profit maker for both farmer and utility. Elect. World 125(13): 50-51. Mar. 30, 1946. 335.8 EL2  
Electric drier.



26158 KABLE, G. W. Developments in mow hay finishers - Part I. Elect. on the Farm 19(3): 7-9. Mar. 1946. 335.8 EL27

26159 KAUFMANN, D. W. Brine strength control and filtration. Natl. Provisioner 114(11): 20-21, 23, 49-50, 52. Mar. 16, 1946. 286.85 N21  
Equipment and method for meat brining.

26160 LEES, A. B. Two new automatic tying balers. Farmer & Stock-Breeder 60: 222. Jan. 29, 1946. 10 F228

26161 MCCOMB, B. Planning a pilot plant for spinning blended yarns. Rayon Textile Monthly 27: 133-135. Mar. 1946. 304.8 R21

26162 MAGISTOCCHI, G. De la vasiija vinaria. Vinos, Vinas y Frutas 41: 339-340. Jan. 1946. 9 Ag89

26163 MASSEY, G. F. The bootleg corn picker market. Farm Impl. News 67(2): 39. Jan. 17, 1946. 58.8 F22

26164 MELHART, R. Corn is loose-frozen by continuous belt freezer. West. Canner and Packer 38(2): 56-59. Feb. 1946. 286.83 W522

26165 NEAL, J. H. Custom combining charges. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(4): 20, 66. Apr. 1946. 6 P945G

Cooperative use of a combine to reduce costs.

26166 NISSLLEY, C. H. Carrot topper saves labor. N. J. State Hort. Soc. Hort. News 27: 1807. Feb. 1946. 81 N46

26167 NOYES, W. E. Sanitation in the dairy industry. South. Dairy Prod. J. 39(4): 84-85, 90-91, 95. Apr. 1946. 44.8 So83

Equipment cleaning.

26168 QUICK frozen foods equipment directory 1946. Quick Frozen Foods 8(8): 77-89. Mar. 1946. 389.8 Q4

26169 RAYMOND, C. B. Speeds harvesting; New York grower develops pea cutter-loader. Food Packer 27(5): 67-68. Apr. 1946. 286.83 C165

26170 RICE, E. S. Provender milling; diagram for a large mill. Milling 106: 207. Mar. 9, 1946. 298.8 M622

26171 SIMON, A. Dry separation of grain; modern equipment designed for grading and cleaning grain for roller milling. Milling 106: 200-204. Mar. 9, 1946. 298.8 M622

26172 SIMONS, E. N. Sugar mill rollers from Britain. Sugar J. 8(10): 5-7. Mar. 1946. 65.8 Su391

26173 SMITH, J. T. Practical suggestions for plant sanitation. Natl. Butter and Cheese J. 37(4): 40-41. Apr. 1946. 286.85 B98Bu

26174 STREUN, J. A. New gin problems arise from mechanical picking. Cotton Digest 18(27): 14-15. Mar. 30, 1946. 286.82 C822

26175 STRUTHERS, J. Heather honey presses. Scot. Beekeeper 22: 30. Mar. 1946. 424.8 Sco8

26176 SVIRSHCHEVSKII, B. Kompleksnye agregaty v sel'skokhoziaistvennom proizvodstve [Combines in agricultural production]. Sotsialist. Sel'sk. Khor. 16(9): 42-49. Sept. 1945. 281.8 So73

26177 SYKES, F. Tripod harvesting. Gt. Brit. Min. Agr. Agriculture 52: 536-537. Mar. 1946. 10 G79J

Drying of hay and grain.

26178 TRUSLOW, J. L. Gessner ring spinning frame for woolen system. U. S. Dept. Com. Off. Pub. Bd. Rpt. 15138, 8 p., processed. Washington, 1945. 157.8 R29

26179 TURNER, C. N. New developments in hay harvesting and curing. Natl. Hay Press 24(6): 7, 9-11, 13, 16-16. Mar. 16, 1946. 286.81 N21

26180 WHITE, H. D. Is your canning plant up to date? Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(4): 14. Apr. 1946. 6 P945G

26181 WOLFF, E. R. A pneumatic mill in Switzerland. Amer. Miller and Processor 74(2): 38, 46, 48. Feb. 1946. 298.8 Am32

#### Trucks, Tractors, and Other Farm Power (Including Fuels)

26182 ABRAMOV, I. F. Privod molotilki MK-1100 i mashiny VIM-2 ot taktora STZ. Sel'so (Ser. Kolhoz. Zeml.) 14(100/101): 1-2. 1945. 20 Se475

Utilization of additional wooden driving pulley to tractor STZ on the "Druzhba" collective farm in the Tambov Region made threshing and grain cleaning possible at the same time.

26183 BLACK, J. J. Don't choose the cart before the horse! Smallholder 74(1879): 18. Mar. 22, 1946. 10 Sm1

Wagons.

26184 CAMACHO, R. R. Tractorina o gasolina para los tractores en Colombia. Agr. Trop. 2(1): 35-36. Feb. 1946. 26 Ag8

26185 COLIN, G. Le développement du pneumatique en agriculture; vers la conception d'un véhicule agricole moderne. Rev. Gén. du Caoutchouc 22: 173-176. Sept. 1945. 305.8 R32

26186 DAVIES, A. C. Britain builds useful small tractor. Farmer and Settler 40(49): 7. Jan. 4, 1946. 23 F226

26187 DAVIES, A. C. David Brown tractor power take-off. Farmer and Settler 40(45): 9. Dec. 7, 1945. 23 F226

26188 HINKLE, C. N. Lost - a trainload of tractor fuel. Successful Farming 44(4): 35, 62-66. Apr. 1946. 6 Su12

26189 PALMI, S. Jordbrukets traktordrift. Sweden. Kommerskol. Jordbruksekonom. Uppgifter 8(12): 1-11. Dec. 1945. (Bound with Sweden. Kommerkol. Kom. Meddel., v. 32, No. 12) 257.8 K832K  
Use of tractors in Swedish agriculture.

26190 FOULIN, L. P. Le tracteur à chenilles. Terre de Chez Nous 18(21): 15. Feb. 20, 1946. 7 T27

#### FARM STRUCTURES

##### General

26191 ALLEN, M. H. How much can a farmer afford for buildings? Miss. Val. Lumberman 77(12): 16-17, 25. Mar. 22, 1946. 99.81 M69

26192 HART, V. B. Loans to improve farm buildings. Banking 38(10): 56. Apr. 1946. 284.8 Am3

26193 LAGORCE, M. Pensons un peu aux bâtiments. Terre d'Oc 27: 418-420. Nov. 1945. 14 T27

26194 MILLER, R. C. You pay for buildings whether you have them or not. Business of Farming 5(1): 8. Feb./Mar. 1946. 6 B96  
Economy in well-built farm structures.

##### Farmhouses

26195 BERNARD, P. H. La Caisse Nationale d'Entretien et d'Amenagement de l'Habitat Urbain et Rural. France Agr. 1(5): 7. July 1945. 14 F8497

26196 CARRERE, J. La vivienda rural. Selec. Rurales 1(1): 4-6. July 1945. 9.9 Se4

26197 CERNY, R. G. Things you can do to the old house. Wis. Agr. and Farmer 73(6): 6. (To be cont.) Mar. 16, 1946. 6 W751

26198 CHAPMAN, E. "Kitchen come true"; we help the National Film Board remodel an actual farm kitchen. Farmer's Mag. 43(2): 20-21, 23, 36. Feb. 1946. 7 C165



26199 ELLITHORPE, V. Room-of-all-work. South. Agr. 76(4): 42-43. Apr. 1946. 6 So83

A utility room.

26200 HOBGOOD, P. Tips on remodeling rural homes given by agricultural engineering specialist. Tex. Co-op Power 2(9): 6. Mar. 1, 1946. 335.8 T31

26201 HOWARD, G. E., and RATCLIFF, R. U. Proceedings of the University of Wisconsin Conference on Social and Economic Research in Housing, Madison, Wisconsin, December 14-15, 1945. J. Land and Pub. Util. Econ. 22(1): 91-116. Feb. 1946. 282.8 J82

Part XII, Farm Housing.

26202 M., Z. R. Closets and storage. Wallaces' Farmer 71: 346-347. Apr. 6, 1946. 6 W15

26203 MCFADDEN, D. J. Kitchen labor savers. Country Guide 65(3): 80-81. Mar. 1946. 7 G76

Kitchen equipment.

26204 MAST, C. New modern thrift house; styled for the country - designed especially to meet needs of the farm family. Business of Farming 4(7): 8-9. Dec. 1945. 6 B96

26205 MAST, C. Planned for better farm living; a new modern farm house which answers the needs of the whole family. Business of Farming 5(1): 10-11. Feb./Mar. 1946. 6 B96

26206 WICKERS, H. E. Here's a home that will grow! Successful Farming 44(4): 26-27, 67-68. Apr. 1946. 6 S12

26207 WYLIE, J. The old square house goes modern. Business of Farming 4(7): 12-13. Dec. 1945. 6 B96

#### Service Buildings

26208 BADER, A. E. He built a new start in dairying. Successful Farming 44(4): 33, 36. Apr. 1946. 6 S12

26209 BONFIELD, J. P. New milking parlor and milkhouse. Business of Farming 4(7): 6. Dec. 1945. 6 B96

26210 BROWN, C. A. C., and GOLDING, E. W. Electric soil warming in frames. Gt. Brit. Min. Agr. Agriculture 52: 557-561. Mar. 1946. 10 G79J

26211 CAPWELL, L. W. I wanted a greenhouse. New England Homestead 119(6): 39. Mar. 23, 1946. 6 N442

26212 CHISWELL, S. Night lamps only at seven weeks. Poultry Farmer [London] 114(2959): 3. (Cont.) Mar. 8, 1946. 47.8 F312

26213 COOPER, G. H. A cheap portable colony house for poultry. Rhodesia Agr. J. 42: 528-530. Nov./Dec. 1945. 24 R34

26214 ENTZINGER, A. M. My lean-to lath house. Back to Eden 12(8): 1. Mar. 1946. 80 B12

26215 F., B. Brooder house ready? Better check up on it now. Wis. Agr. and Farmer 73(6): 26. Mar. 16, 1946. 6 W751

26216 FALCIONI, A. C. Anteproyecto de tinglado de ordeno. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 17-22. Sept./Oct. 1945. 49 B86

26217 FELGER, A. H. Electric pig brooders - their construction and installation. Duroc News 20(2): 70, 72, 74, 76. Feb. 1946. 46.8 N212

26218 FIRTH, N. The Hartshead house. Poultry Farmer [London] 114(2959): 3. Mar. 8, 1946. 47.8 F312

26219 FIRTH, N. He uses two thermometers in incubators. Poultry Farmer [London] 114(2958): 3. Mar. 1, 1946. 47.8 F312

26220 GORDON, M. D. Incubator lamps. Field 187: 312. Mar. 16, 1946. 10 F45

Used for heating.

26221 GUNDRY, B. G. The construction of dipping tanks. Rhodesia Agr. J. 42: 507-521. Nov./Dec. 1945. 24 R34

26222 HOADLEY, H. I. Wiring-up our field brooders. Poultry Farmer [London] 114(2958): 3. (Concl.) Mar. 1, 1946. 47.8 F312

26223 HOWARD, E. Protects plants all year; coldframes are useful all year, inexpensive to build, easy to use. Better Homes & Gard. 24(8): 88. Apr. 1946. 80 F9424

26224 JEFFERSON, C. H. The pen-type dairy stable. Hoard's Dairyman 91: 243, 262. Mar. 25, 1946. 44.8 H65

26225 KENNEDY, A. C. Study of design and construction of poultry mash feeders. Better Farming Methods 18(4): 43-44. Apr. 1946. 58.8 B46

26226 KING, T. E. Post-war greenhouses. Florists Exch. 106(14): 66, 69. (To be cont.) Apr. 6, 1946. 80 F666

26227 KRUEGER, W. C. Building plans for the farm. South. Agr. 76(4): 9, 52. Apr. 1946. 6 So83

First in a series.

Service building construction.

26228 KRUEGER, W. C. Plan to build a one-story dairy barn. Better Farming Methods 18(4): 25, 34. Apr. 1946. 58.8 B46

26229 MCLAUGHLIN, J. C. Convenient barn designed. Farmer-Stockman 59: 105. Feb. 1945. 6 Qk45

26230 MILLER, I. Bossie and farmer get a break as stock tank troubles are thwarted. Wis. REA News 6(6): 13. Dec. 1945. 335.8 W75

Electric tank heaters.

26231 MILLER, I. First few days are hardest on early spring pigs, tests show. Tex. Co-op Power 2(9): 7. Mar. 1, 1946. 335.8 T31

Electric pig brooders.

26232 MILLER, R. C. Plans for a dual-purpose hog house. Successful Farming 44(4): 44, 70. Apr. 1946. 6 S12

26233 MOREAU, F. J. Carrier system [in greenhouses], why not? Florists Exch. 106(5): 17. Feb. 2, 1946. 80 F666

26234 SINCLAIR, J. M. Notes on the management of dipping tanks. Rhodesia Agr. J. 42: 521-527. Nov./Dec. 1945. 24 R34

26235 SMITH, E. G. Homemade brooder house keeps down costs. Saskatchewan Farmer 37(6): 7. Mar. 15, 1946. 7 Sa74

26236 STRAHAN, J. L., and SCHAFFHAUSEN, J. F. Build climate into your barn. Country Gent. 116(4): 26, 59-60. Apr. 1946. 6 C833

26237 THOMAS, W. L. Houseless geese must be provided with good nests. Mod. Poultry Keeping 54: 214-215. Mar. 13, 1946. 47.8 Eg3

26238 TURNILL, L. How to make an electric incubator. Poultry Farmer [London] 114(2959): 8. Mar. 8, 1946. 47.8 F312

26239 TURNILL, L. Need we regulate brooders? Poultry Farmer [London] 114(2958): 9. Mar. 1, 1946. 47.8 F312

26240 TWENTY-UNIT pig-house; opening largest of the Preston type. By Poaka. New Zeal. Farmer Weekly 66(22): 4-5. Dec. 27, 1945. 23 N484

26241 WALKER, A. Preparing hovers. Poultry Farmer [London] 114(2958): 4. Mar. 1, 1946. 47.8 F312

26242 WIETING, C. G. Care of the small greenhouse. Arboretum B. 9(1): 14-17. Spring 1946. 451 Ar1

26243 WILKINSON, J. F. The dairy barn of tomorrow. Hoard's Dairyman 91: 281. Apr. 10, 1946. 44.8 H65

26244 WILKINSON, J. F. Where shall I put the milk house. Hoard's Dairyman 91: 95. Feb. 10, 1946. 44.8 H65

Storage Structures

- 26245 CLAYTOR, B. In building cellars. Farm and Ranch 65(4): 47. Apr. 1946. 6 T31
- 26246 IVERSEN, K. Møddingsteder og ajlebeholdere. Tidsskr. for Landøkonomi, No. 2, p. 107-118. Feb. 1946. 11 T43  
Storage structure for farm manures.
- 26247 JAVIER SIÉCOLA, J. Carga y tapado de los silos subterráneos. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 29. Jan. 24, 1946. 9.9 G15R
- 26248 JAVIER SIÉCOLA, J. Técnica constructiva de silos subterráneos. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 2: 480. Dec. 27, 1945. 9.9 G15B

Farm Utilities

- 26249 ALLISON, W. Rural electrification cooperative now serving large area in San Luis Valley. San Luis Val. Farmer and Stockman 1(5): 9. Feb. 1946. 6 Sa52
- 26250 ANDRONOV, I. Soviet rural electrification. New Zeal. Elect. J. 19(1): 46. Jan. 25, 1946. 335.8 N48
- 26251 BÉLANGER, G. À propos de l'électrification rurale [Quebec]. Ensemble! 6(9): 2. Nov. 1945. 280.28 En7
- 26252 BERESFORD, J. T. A business partnership; farming and electricity industries. Home Farmer 13(2): 12-13, 15. Feb. 1946. 280.344 H75  
Great Britain.
- 26253 BLANCHET, J. Les caisses populaires et les coopératives d'électricité. Terre de Chez Nous 18(20, 1. e. 19): 9, 10. Feb. 13, 1946. 7 T27
- 26254 BLANCHET, J. Le financement des coopératives d'électricité. Ensemble! 6(9): 5-6, 26. Nov. 1945. 280.28 En7
- 26255 BOURNS, C. T. Adequate farm water system is within reach. Farmer-Stockman 59: 212. Apr. 1946. 6 Ok45
- 26256 CLARKE, J. H. C. The development of rural water supplies with special reference to the County of Lincoln—parts of Kesteven. Med. Off. 74: 217-220. Dec. 29, 1945. 448.8 M462
- 26257 GALKIN, A. Soviet husbandry; power stations on collective farms. Farming News and North Brit. Agr. 98(5): 13. Jan. 25, 1946. 10 N82  
Hydroelectric power.
- 26258 GALLAGHER, H. J. Making improvements pay. (Excerpts.) Hoard's Dairyman 91: 306. Apr. 10, 1946. 44.8 H65  
Rural electrification.
- 26259 GUTIERREZ, J. C. Calefacción barata en el campo. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 67-68. Sept./Oct. 1945. 49 B86
- 26260 MASSEY, G. F. Pushing water system installations leads to variety of allied sales. Farm Impl. News 67(3): 24-25, 44, 46, 48. Jan. 31, 1946. 58.8 F22
- 26261 MITCHELL, E. W. A man's view of women's appliances. Elect. on the Farm 19(3): 24-25. Mar. 1946. 335.8 E127
- 26262 MULLER, H. N., JR., and WHITEHEAD, D. L. Quick guide to rural voltage drops. Elect. World 125(13): 55-57. Mar. 30, 1946. 335.8 E12
- 26263 POWELL, H. The kilowatts take over. Country Gent. 116(4): 15-17, 57-59. Apr. 1946. 6 C833
- 26264 RICOUX, A. Les principes coopératifs appliqués à la coopérative d'électricité. Ensemble! 6(9): 8-10, 25-26. Nov. 1945. 280.28 En7  
Includes rural electricity cooperatives.
- 26265 SALTVOED, F. Electric power cuts drudgery on the farm. Farm and Ranch Rev. 42(2): 14-15. Feb. 1946. 7 F223

- 26266 SCAGLIA, T. La cooperación eléctrica señala grandes progresos. SanCor 3(40): 15. Oct. 1945. 280.28 R322
- 26267 SHOEN, A. Water pumps for farms and homes in Mexico. Foreign Com. Weekly 22(12): 10-11, 44. Mar. 23, 1946. 157.54 F763
- 26268 STOUT, L. Power for the Prairies; urged on by growing clamor of farmers for extension of electric lines, companies have been speeding rural developments. Family Herald and Weekly Star 77(6): 5, 10. Feb. 6, 1946. 7 F21
- 26269 TAYLOR, J. D. Rural line service; part VI-VII. Telephony 130(11): 16-18, 49; (14): 13-15. Mar. 16, Apr. 5, 1946. 335.8 T23

Materials and Methods

- 26270 CAMPAL, O. El suelo-cemento y sus posibilidades rurales en el Uruguay. Asoc. de Ingen. Agron. Rev. 17(3): 17-28. Sept. 1945. 290.9 As73  
English summary.
- 26271 FARM building and construction; building materials in abundance on your own land; points in construction of mud dwellings. By Bill Derr. Land [Sydney], No. 1777, p. 4. Dec. 14, 1945. 23 L22
- 26272 FARM buildings and construction; construction of "pise" buildings. By Bill Derr. Land [Sydney], No. 1779, p. 9. Dec. 28, 1945. 23 L22
- 26273 LOW, J. F. Murram blocks. East African Agr. J. 11: 145-147. Jan. 1946. 24 Ea74
- 26274 MURCHE, H. L. Don't use crude tar [for poultry house roofing]. Poultry Farmer [London] 114(2959): 4. Mar. 8, 1946. 47.8 F312

AGRICULTURAL PRODUCTS: PROCESSING, DISTRIBUTION, AND STATISTICS

## GENERAL

- 26275 CALDEIRA, C. A guerra e os materiais estratégicos. Observador Econ. e Financ. 10(119): 116-119. Dec. 1945. 280.5 Ob72  
Chiefly agricultural products supplied by Brazil.
- 26276 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the biscuit, confectionery, cocoa and chocolate industries in Canada, 1944, 17 p., processed. Ottawa, 1946. 253 C332I
- 26277 CASE, H. C. W. The European food situation. Ill. Farm Econ., No. 129/130, p. 325-329. Feb./Mar. 1946. 275.28 IL5
- 26278 COCHRANE, W. W. High-level production and consumption. Land Policy Rev. 9(1): 8-13. Spring 1946. 1 Ec7La  
Food program.
- 26279 CUMMINGS, N. The European food situation. Wholesale Grocer News 20(11): 52-54, 135. Feb. 1946. 286.83 W622
- 26280 GERBER, J. R. New industries for Oregon. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 424, 4 p., processed. Columbus, Ohio, 1946. 381 N213P  
New agricultural products that can be promoted.
- 26281 INDUSTRIAL marketing; 1946 market data book number. Indus. Mktg., vol. 30, No. 13, 536 p. Oct. 25, 1945. 280.38 In22  
Data on the dairy products, farm operating equipment, food canning and preserving, food distribution, food manufacture and processing, grain and grain products, meat packing byproducts, and tobacco industries.



- 26282 LINDLEY, E. K. Food and peace. Newsweek 27(13): 25. Apr. 1, 1946. 280.8 N47  
World food supply.
- 26283 PARDEE, R. E. First aid for China. Pacific Affairs 19(1): 75-89. Mar. 1946. 280.8 P11  
Includes food relief.
- 26284 PENARANDA CANAL, F. Posibilidades y producción actual de algunos cultivos colombianos. Agr. Trop. 2(1): 39-42. Feb. 1946. 26 Ag8
- 26285 STRATTON, C. The subsidy "gravy train" is coming. Kans. Farmer 83(6): 6, 31. Mar. 16, 1946. 6 K13  
National Food Allotment Plan.
- 26286 WEST, D. A. UNRRA at work. Wholesale Grocer News 20(11): 62, 64. Feb. 1946. 286.83 W622  
Includes European food relief.

## ANALYSIS AND COMPOSITION

- 26287 BHAT, J. V., REPORTER, R. N., and FERNANDES, F. An instance of grapes-poisoning. Bombay U. J., Sect. B, Biol. Sci. (n.s.) 14(3): 53-54. Nov. 1945. 513 B633
- 26288 HILLIER, J. Electron microscopy and analysis. Food Packer 27(5): 54, 56, 58. (To be cont.) Apr. 1946. 286.83 C165  
As described to food processors.
- 26289 JONES, O. Metallic impurities in food; part 3. Food [London] 15(174): 61-62. Mar. 1946. 389.8 F738

## CONSUMPTION AND UTILIZATION

- 26290 BENSON, H. K. Chemurgy and wartime science. Pacific Northwest Indus. 5: 61. Jan. 1946. 280.8 N812
- 26291 MORERA, V. Fuentes insospechadas de riqueza nacional. Bolsa de Cereales, Buenos Aires. Rev. 32(1731): 24-26, 28; (1732): 8, 16, 24-27. Dec. 22, 29, 1945. 287 B866  
Chemurgy as a solution for surpluses.
- 26292 SCHOFFELMAYER, V. H. Chemurgic opportunities for West Texas. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 434, 5 p. processed. Columbus, Ohio, 1946. 381 N213P
- 26293 SMITH, R. T. Farm problems that require solution through chemurgy. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 430, 3 p., processed. Columbus, Ohio, 1946. 381 N213P  
Also in Pacific Northwest Indus. 5: 67-68, 72. Jan. 1946. 280.8 N812

## DISTRIBUTION, MARKETING, AND TRANSPORTATION

- 26294 ALBRIGHT, J. Trends in food distribution. Wholesale Grocer News 20(11): 57-60. Feb. 1946. 286.83 W622
- 26295 BELL, M. H. UCO's refrigerated warehouse puts frozen foods distribution into "big business" class. Food Freezing 1: 92-93. Jan. 1946. 389.8 F7362  
Distribution by UCO Food Products.
- 26296 CAKE, E. W. Army and Navy still prospective customers [of cooperatives]. News Farmer Coop. 13(1): 14-16. Apr. 1946. 166.2 N47
- 26297 CARPENTER, P. Cooperative marketing in Oregon. Eggsaminer 22(4, sect. 2): 33. Dec. 1945. 286.85 E32
- 26298 CONNER, R. M. "Lower cost plan" for distributors will increase frozen food sales. Food Freezing 1: 146-147. Feb. 1946. 389.8 F7362

- 26299 COOK, W. H., and THISTLE, M. W. Refrigerated transport, the weak link in Canada's frozen food industry. Food Freezing 1: 166-167, 190. Mar. 1946. 389.8 F7362
- 26300 DIPMAN, C. W. What's ahead in [food] distribution? III. Yankee Food Merchant 6(3): 13-14. Mar. 1946. 286.83 Y1
- 26301 FABIAN, J. R. Food chains and frozen foods. Frozen Food Indus. 2(1): 14-15, 41-46. Jan. 1946. 389.8 F93  
Marketing of frozen foods by chain stores.
- 26302 GOLAY, A. L. Two-way refrigerator unit. Natl. Food Distrib. J. 19(3): 3. Mar. 1946. 286.28 N12  
A refrigerated truck.
- 26303 HAWKINS, W. T. More lines, or fewer? Natl. Food Distrib. J. 19(3): 7-9. Mar. 1946. 286.28 N12  
For food distributors.
- 26304 LANDAU, H. Distribution [of frozen foods]. Frozen Food Indus. 2(3): 28, 57. Mar. 1946. 389.8 F93
- 26305 MACCOLL, E. D. Dos decretos; una orientación equivocada. Diario Rural 5(548): 12. Jan. 1946. 9.9 D54  
On the Uruguayan decrees regulating marketing and prices of eggs and wheat.
- 26306 MAXIN, E. Manchester plans for tomorrow; the Smithfield Market of the future. Fruit, Flower, & Veg. Trades' J. 88: 322. Dec. 29, 1945. 80 F946
- 26307 MILLER, H. Factors in crop financing. Distrib. Age 45(3): 66, 72. Mar. 1946. 288.8 T68  
Factors in the marketing of southern California crops.
- 26308 MILLER, N. The Dept. of Commerce and the wholesale food trade. Wholesale Grocer News 20(11): 78, 80, 82. Feb. 1946. 286.83 W622
- 26309 MOBLEY, C. Giving fresh foods the air. News Farmer Coop. 13(1): 1, 20-21. Apr. 1946. 166.2 N47  
Air transport.
- 26310 MONTGOMERY, P. H. Rail transportation of perishable products. San Luis Val. Farmer and Stockman 1(4): 6-7. Jan. 1946. 6 Sa52
- 26311 PIPER, W. E. Promotional co-ops for New England farmers. New England Grocery & Market Mag. 14(6): 35-36. Apr. 1946. 286.83 N44A  
Cooperative marketing.
- 26312 SABATINI, F. L. Transport under nationalisation. Fruit-Grower 101: 112. Feb. 7, 1946. 80 F941
- 26313 SAMPER, A., and BELTRAN GALINDO, G. Tarifas de fletes para productos agrícolas en el Ferrocarril de Antioquia. Agr. Trop. Sup. Agron. 2(1): 31-41. 1946. 26 Ag8
- 26314 SANDERFER, M. R. How we built our markets [for farm produce]. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(4): 27. Apr. 1946. 6 P945G
- 26315 SAVILLE, G. Transit by passenger train; terms and conditions affecting foods. Food [London] 15(174): 77-78. Mar. 1946. 389.8 F738
- 26316 THOMAS, W. P. The distributor and his responsibilities. Frozen Food Indus. 2(2): 19, 44-45. Feb. 1946. 389.8 F93  
In the frozen food industry.
- 26317 W., E. A. Selling produce on the farm. Rural New-Yorker 105: 304. Apr. 6, 1946. 6 R38
- 26318 WHITMARSH, F. L. A report to wholesale grocers. Wholesale Grocer News 20(11): 30-32. Feb. 1946. 286.83 W622  
Food marketing.
- 26319 WILSON, G. L. Marketing and traffic management. Traffic World 77: 1143-1146. Apr. 13, 1946. 288.8 T672  
Tenth in a series. Contains a section on agricultural marketing information.

26320 WORK, P. Roadside stands for postwar selling. *Market Growers J.* 75(4): 11, 35, 45. Apr. 1946. 6 M34

#### GRADING, INSPECTION, STANDARDIZATION, AND QUALITY

26321 FLETCHER, J. W. Food gambling. Co-op. News No. 3869, p. 2. July 28, 1945. 280.28 C7897  
Sixth in a series on post-war food control in Great Britain.

26322 GARIBALDI, A. J. El control del abastecimiento en la posguerra. *Argentina. Sec. de Indus. y Com. B.* 1(11/12): 359-361. Aug./Sept. 1945. 280.9 Ar3

Includes food.

26323 GIBSON, E. T. Quality control is the key to the future of frozen foods. *West. Frozen Foods* 7(5): 3-5. Mar. 1946. 389.8 W523

26324 PAYNE, H. A progress report on labeling canned, glassed foods. *Wholesale Grocer News* 20(11): 103. Feb. 1946. 286.83 W622

#### PACKING AND PACKAGING

26325 CARVER, W. What is the future in frozen food packaging. *Locker Operator* 7(9): 12-14, 20, 55. Mar. 1946. 295.8 L79

26326 CASS, T. P., JR. Tomorrow's packages; economical carton varieties. *Food Freezing I*: 126-129, 148-149. Feb. 1946. 389.8 F7362  
Frozen food packaging.

26327 CLARK, B. S., and BRIGHTON, K. W. Better base plate---for better food cans. *Mod. Packaging* 19(7): 148-152, 246, 248, 250, 252, 254. Mar. 1946. 309.8 M72

26328 CLARK, B. S., and BRIGHTON, K. W. Research contributions to the tin conservation program. *Canner* 102(15): 12-13, 29-30. Mar. 30, 1946. 286.83 C16

Research in can manufacture.

26329 CLUNAN, A. B. Tomorrow's packages; rubber hydrochloride film returns. *Food Freezing I*: 176-177. Mar. 1946. 389.8 F7362

For frozen food.

26330 DREW, D. E. Tomorrow's packages; regenerated cellulose film and its frozen food applications. *Food Freezing I*: 101-103. Jan. 1946. 389.8 F7362

Third of a series. Cellophane wrapping.

26331 HILDRETH, E. A. Advantages of standardized glass containers. *Fruit Prod. J. and Amer. Food Mfr.* 25: 213-214, 216-217. Mar. 1946. 389.8 F94

26332 PROPER selection of materials for frozen food packaging. *Canner* 102(16): 18, 20, 30. Apr. 6, 1946. 286.83 C16

A packaging institute symposium prepared for the annual conference of the Institute of Food Technologists.

26333 SEABROOK, C. O. A frozen food packer looks ahead. (*Digest.*) *Food Packer* 27(5): 33, 74. Apr. 1946. 286.83 C165

#### PRICES, PRICE CONTROL, AND RATIONING

26334 BAKER, G. The future of price control. *Wholesale Grocer News* 20(11): 33-35. Feb. 1946. 286.83 W622

26335 BRANDT, J. The problem of parity. *Hoard's Dairyman* 91: 94. Feb. 10, 1946. 44.8 H65

26336 DRUMMOND, W. M. Agricultural subsidy and price policies. *Country Guide* 65(3): 5, 29-30. Mar. 1946. 7 G76

26337 FROSTER, G., and KOLLBERG, G. Hittills upphävida ransoner. *Sweden. Kommerakol. Jordbruksekonom. Uppgifter* 8(12): 12-18. Dec. 1945. (Bound with Sweden. Kommerakol. Kom. Meddel., v. 32, No. 8) 257.8 K832K

Rationing of food in Sweden.

26338 GREAT BRITAIN. MINISTRY OF FOOD. Children & young people. *Gt. Brit. Min. Food. Our Food Today* 5, 13 p. London, 1945? 389.9 G790

Provisions under the rationing program.

26339 LUEBKE, B. H. Some price factors affecting farm adjustment in cotton counties of Tennessee. *Tenn. Agr. Expt. Sta. Rural Res. Ser. Monog.* 195, 44 p. 1946. 173.2 W89C0

26340 SOTH, L. K. Needed--a better goal than parity; a summary of the prize-winning papers in the farm price policy contest of the American Farm Economic Association. *Iowa Farm Econ.* 12(3): 3-5. Mar. 1946. 275.28 I092

26341 U. S. BUREAU OF LABOR STATISTICS. Average wholesale prices and index numbers of individual commodities, December and year 1945, 15 p., processed. Washington, 1946. (IS 46-1918) 158.6 P93A

Considerable data for agricultural products.

26342 YEOMANS, E. Demand price control continued to prevent inflation. *East. Union Farmer* 2(11): 4. Dec. 1945. 280.28 Ea72

Position of the National Farmers Union stated.

#### PROCESSING AND STORAGE

26343 BALAVOINE, P. Le dosage des épaississants dans les denrées alimentaires. *Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg.* 36: 274-281. 1945. Ref. 389.9 S6

26344 BILLARDON, R. Congelation rapide des produits alimentaires. *Casablanca. Chambre d'Agr.* B. 17(178): 5-17. Jan. 1946. 24 C26

26345 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Canned food production in Canada, 1943, 20 p., processed. Ottawa, 1946. 253 C332I

Statistics.

26346 CLARK, A. M. Freon-type refrigerants. (*Excerpts.*) *Food [London]* 15(174): 60. Mar. 1946. 389.8 F738

26347 COMMITTEE ON FOOD (EXCEPT MILK). FOOD AND NUTRITION SECTION. Public health aspects of dehydrated foods. *Amer. J. Pub. Health* 36: 248-260. Mar. 1946. Ref. 449.9 Am3J

H. W. von Loesecke, chairman.

26348 COOK, W. H. Egg substitutes and synthetic margarine. *Food Canada* 6(3): 13-16. Mar. 1946. 389.8 F7327

First in a series.

26349 DEWEY, B. The food technologist of the future. *Canner* 102(15): 16, 18. Mar. 30, 1946. 286.83 C16

26350 DIEHL, H. C. Research; many long-range projects planned. *Frozen Food Indus.* 2(3): 14, 37. Mar. 1946. 389.8 F93

In frozen food industry.

26351 ELLIS, F. E. Reconversion hits dehydrators. *Family Herald and Weekly Star* 77(6): 4. Feb. 6, 1946. 7 F21  
Canada.

26352 FENTON, F. Unknown factors upset pre-cooked [frozen] foods quality control. *Food Freezing I*: 163-165, 188-189. Mar. 1946. 389.8 F7362



26353 FOARD, J. H. When schools and communities got together. Rural Electrification News 11(7): 14. Mar. 1946. 173.2 R88Ru

Community canning program in Missouri.

26354 FREEMAN, A. 1946 aims of the [frozen foods] industry in southern California. West. Frozen Foods 7(4): 3-4. Feb. 1946. 389.8 W523

26355 COMEZ, O. J. Hacia una mejor higiene alimenticia. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 111-112. Sept./Oct. 1945. 49 B86

26356 GRANT, H. B. Frosted foods more than an ice cream sideline. Ice Cream Field 47(3): 12, 16. 62. Mar. 1946. 389.8 Ic23

Also in Natl. Food Distrib. J. 19(3): 35-36. Mar. 1946. 286.28 N12

26357 HARMAN, D. Food handling and public health. Ind. State Bd. Health, Monthly B. 49: 28, 44. Feb. 1946. 449.7 In2M

26358 HUDDLESON, E. E. The packers' present problems. (Excerpts). West. Frozen Foods 7(5): 12. Mar. 1946. 389.8 W523

Problems in the frozen food industry.

26359 HUTCHINGS, B. L., and EVERS, C. F. Pre-cooked frozen foods. Frozen Food Indus. 1(2): 10-11, 40-43. Dec. 1945. 389.8 F93

26360 HUTCHINGS, B. L., and EVERS, C. F. Research and quality control of precooked frozen foods. Fruit Prod. J. and Amer. Food Mfr. 25: 171-174, 189. Feb. 1946. 389.8 F94

26361 JOSLYN, M. A. Industry needs field servicemen and technologists. Quick Frozen Foods 8(8): 71-72, 126. Mar. 1946. 389.8 Q4

Includes discussion of quality of frozen food.

26362 LANGE, H. K. Pioneer Iowa plant parallels the growth of locker industry. Locker Operator 7(9): 30, 32, 52-54. Mar. 1946. 295.8 L79

26363 MORRISON, W. H. Overflow problem solved - with cartons over lockers in locker room. Locker Operator 7(9): 36. Mar. 1946. 295.8 L79

26364 NICHOLAS, J. E. Bulk freezing for commercial use. Food Freezing 1: 130-132. Feb. 1946. 389.8 F7362

26365 NICHOLAS, J. E. Freezing rates of foods; part one. Frozen Food Indus. 2(3): 18-19, 44-46. Mar. 1946. 389.8 F93

26366 OLNEY, B. C. How big can we grow? Frozen Food Indus. 2(1): 16, 49-50. Jan. 1946. 389.8 F93

Frozen food industry.

26367 RISEN, M. L. Oklahoma City has good locker industry; visitors to Southwest Regional Convention can inspect seven interesting plants in Sooner State capital. Locker Operator 7(9): 10-11, 22, 67-70. Mar. 1946. 295.8 L79

26368 EUDOLPH, W. Niederritter's locker plant at Erie, Pa., is a four-in-one operation. Locker Operator 7(9): 18-19, 56-57. Mar. 1946. 295.8 L79

26369 SANBORN, N. H. The canning industry's sanitation program. Fruit Prod. J. and Amer. Food Mfr. 25: 207-209. Mar. 1946. 389.8 F94

26370 SCHLAGETER, G. O. How locker plants can meet the future. Quick Frozen Foods 8(8): 142-143. Mar. 1946. 389.8 Q4

26371 SEABROOK, C. C. The future of the frozen-foods industry. Canner 102(16): 14-16. Apr. 6, 1946. 286.83 C16

26372 SHERMAN, R. W. Latest survey of locker operations. I-II. Frozen Food Indus. 2(1): 36-37, 54; (2): 26-27, 45-46, 50. Jan., Feb. 1946. 389.8 F93

Study of Ohio locker plant operations.

26373 SILVEIRA, A. H. DA. Defumação da carne e do peixe. Chacaras e Quintais 71: 568. May 15, 1945. 9.2 C34

26374 SPEAR, S. G. Public warehousing helps to win the war. Traffic World 77: 1061-1063. Apr. 6, 1946. 288.8 T672

First in a series of articles. Includes warehouses for agricultural products.

26375 T., E. C. Food freezing at home. Rural New-Yorker 105: 274. Apr. 6, 1946. 6 R88

26376 TEMPLETON, R. Dehydration. London Corn C. 103(22): 13; (23): 5. (Cont.) Mar. 18, 22, 1946. 286.81 L84

26377 THOMSEN, F. L. The present and the future of frozen foods. Frozen Food Indus. 2(3): 16-17, 41-43. Mar. 1946. 389.8 F93

26378 THRESSLER, D. K. Ideal storage temperatures for frosted foods. Frosted Food Field 2(4): 1, 7. Apr. 1946. 389.8 F922

26379 VILFAMS, V. V., and KNIÁZÍATOVA, E. I. O poluchení ekstraktov, soderzhashchikh vitamin C, iz svezhego rastitel'nogo syr'ia [Production of extracts containing vitamin C from fresh plant materials]. Moskov. Ordena Lenina Sel'skokhoz. Akad. im. K. A. Timiriázeva. Trud., No. 30, p. 145-172. 1945. Ref. 106 M852T

26380 WALKER, R. British investigate drying over freezing and canning. N. Y. Packer 45(11): 7. Feb. 16, 1946. 286.8 N483

26381 WALKER, W. A. Ascorbic acid. Frozen Food Indus. 2(3): 8-9, 27, 29, 31, 35. Mar. 1946. 389.8 F93

Use in the freezing of foods.

26382 WESTLING, L. L. New markets, frozen foods aboard the luxury liner. Food Freezing 1: 170-172. Mar. 1946. 389.8 F7362

26383 WESTLING, L. L. Zero storage [of frozen foods] on shipboard will hold foreign markets. Food Freezing 1: 83-85. Jan. 1946. 389.8 F7362

26384 WILLIAMS, E. W. Latest freezing developments in the Southeast; from okra to oranges. Quick Frozen Foods 8(8): 67-70, 104. Mar. 1946. 389.8 Q4

## STATISTICS

26385 ANGULO, H. G. Índice de la producción agrícola [Mexico]. Rev. de Econ. 9(1): 19-24. Jan. 15, 1946. 280.8 R3293

26386 HOLMES, I. Release of 1945 farm census data. U. S. Bur. Agr. Econ. Agr. Situation 30(3): 18-20. Mar. 1946. 1 Ec7Ag

26387 MANUFACTURERS RECORD. The blue book of southern progress, 1945, 188 p. Baltimore, 1946? 252 M312

Agriculture in the South, p. 72-89, is statistical.

26388 NEW ZEALAND. CENSUS AND STATISTICS DEPT. New Zealand official year-book, 53, 1945, 776 p. Wellington, 1945. 271.2 R26N

Partial contents: Land tenure, settlement, etc., p. 198-211; Agricultural and pastoral production, p. 212-254; Forestry, p. 254-264; Valuation of land, p. 406-410; Prices, p. 504-522.

26389 PERU. MINISTERIO DE HACIENDA Y COMERCIO. DIRECCIÓN NACIONAL DE ESTADÍSTICA. Extracto estadístico del Perú, 1943, 734 p. Lima, 1945. 255.8 F733

Contains statistics on food and agriculture.

26390 PORTUGAL. INSTITUTO NACIONAL DE ESTATÍSTICA. Anuário estatístico do Império Colonial, 1944, 103 p. Lisboa? 1945. 264 F49An

Contains statistics of livestock production, land transfers, trade in agricultural products, and prices.

26391 PORTUGAL. INSTITUTO NACIONAL DE ESTATÍSTICA. Anuário estatístico, 1944, 350 p. Lisboa? 1945. 264 F49A

Includes statistics of agricultural production, land transfers, foreign trade in agricultural products, and prices.

- 26392 PORTUGAL. INSTITUTO NACIONAL DE ESTATISTICA. Estatística agrícola, 1943, 260 p. Lisboa, 1945.  
264 F49Ea
- 26393 STATISTICAL register of South Australia, 1943/44, various paging. Adelaide, 1945. 271.4 St2 Pt. V, Production, gives agricultural statistics.
- 26394 SWEDEN. STATISTISKA CENTRALBYRÅN. Årsvärden år 1945. 21 p. Stockholm, 1945. 257.3 St2Na Title and table of contents also in French. Statistics of crop yields in Sweden in 1945.
- 26395 WHITE, B. S., JR. National economic conditions in 1945. U. S. Bur. Agr. Econ. Agr. Situation 30(3): 2-3. Mar. 1946. 1 Ec7Ag Statistics included for agriculture.

## BEVERAGES AND CONDIMENTS

- 26396 ANDRÉ, E., and KOGANE-CHARLES, M. Sur un procédé chimique permettant de déceler l'addition frauduleuse de graines de colza et de navette à la farine de moutarde noire. Paris. Acad. des Sci. Compt. Rend. 222: 444-445. Feb. 18, 1946. 505 P21
- 26397 ARGENTINA. SECRETARIA DE INDUSTRIA Y COMERCIO. DIRECCIÓN DE YERBA MATE. MERCADO CONSIGNATARIO DE YERBA MATE NACIONAL CANCHADA. Memoria y balance general, 9, 1944, 88 p. Buenos Aires, 1945. 255.1 C73
- 26398 BENNETT, W. H. In the good old coffee days. Spice Mill 69(4): 21, 24. Apr. 1946. 389.8 Sp4 Coffee industry history.
- 26399 BIRON, M. M. Le "papas-karasi" et son vieillissement [Turkey]. Off. Internatl. du Vin. B. 18(175/178): 77-84. Sept./Dec. 1945. 390.8 B87 A red grape wine.
- 26400 BODE, L. Oenologie; deux ouillages différents, mais de même importance. Petit Casa-blancs 31(1253): 6. Mar. 9, 1946. 280.8 P44
- 26401 BONIFAZI, G. L'analyse des eaux-de-vie de marc par les méthodes nouvelles. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 36: 299-308. 1945. 389.9 Sw6
- 26402 BURGOS TERÁN, T. Nuestros vinos y el consumidor nacional; errores de concepto y aclaraciones necesarias. Argentina. Sec. de Indus. y Com. B. 1 (11/12): 363-365. Aug./Sept. 1945. 280.9 Ar3
- 26403 CAMUS, P. El vino en Mendoza. Vinos, Viñas y Frutas 41: 421-423. Feb. 1946. 9 Ag89
- 26404 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the brewing industry in Canada, 1944, 15 p., processed. Ottawa, 1946. 253 C3321 Statistical, including raw materials used.
- 26405 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the wine industry in Canada, 1944, 9 p., processed. Ottawa, 1946. 253 C3321
- 26406 CHAPPAZ, M. G. Note sur la question des mousseurs à appellation contrôlée. Off. Internatl. du Vin. B. 18(175/178): 51-52. Sept./Dec. 1945. 390.8 B87
- 26407 CORREA LUNA, N. Consejos sobre vinificación. Uruguay. Min. de Ganad. y Agr. B. Inform. 3: 53; 63. Feb. 14, 21, 1946. 9.9 GL5B
- 26408 CORREA O., L. E. Plan de fomento cacaotero [Colombia]; parte 3a. Agr. Trop. 2(1): 14-16. Feb. 1946. 26 Ag8
- 26409 FOOTE, D. The Aztecs had a word, now spelled chocolate. Frontiers 10: 105-106, 129. Apr. 1946. 410 F92
- 26410 GOLDMAN, M. Planned efficiency. Wine Rev. 14(2): 12-14. Feb. 1946. 390.8 W722 In wine manufacture.
- 26411 JACOBS, M. P. Imitation vanilla flavor. Amer. Perfumer and Essential Oil Rev. 48(3): 56, 59. Mar. 1946. 308.8 Am3
- 26412 JACQUEMIN, L. Vinos argentinos; evolución y porvenir. Vinos, Viñas y Frutas 41: 341-344. Jan. 1946. 9 Ag89
- 26413 MELLO, J. C. Esplendor e decadência do café; necessidade do seu amparo. São Paulo. Supt. dos Serv. do Café. B. 20: 873-876. Aug. 1945. 68.29 Sa63
- 26414 MERRILL, B. R. Controlled sanitation important as controlled production. Wine Rev. 14(2): 27. Feb. 1946. 390.8 W722 In wine manufacture.
- 26415 MERRILL, B. R. Increased gallonage. Wine Rev. 14(2): 10-11. Feb. 1946. 390.8 W722 Production by Fresno Winery.
- 26416 MOSIMANN, G. Zur frage der quantitativen kakaoschalenbestimmung in kakaopulver auf der grundlage verschiedener pektinwerte. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 36: 284-298. 1945. 389.9 Sw6
- 26417 PALACIO RUDAS, A. Economía y café, Colombia. An. de Econ. y Estad. (ser. 2) 1 (11/12): III-VII. Nov./Dec. 1945. 255.5 Am1
- 26418 PRITZKER, J., and JUNGKUNZ, R. Über den mohrenpfeffer. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 36: 308-316. 1945. Ref. 389.9 Sw6 Analysis.
- 26419 ROUTIER, E. Spices. Culinary Rev. 14(6): 5. (To be cont.) Mar. 1946. 389.8 C89 Description of various spices.
- 26420 SEMLER, H. El café. IV. Inst. de Defensa del Café de Costa Rica. Rev. 16(132): 40-45. (Cont.) Nov. 1945. 68.28 C82
- 26421 SIMON, A. L. Passing of vintage wine? Field 187: 52. Jan. 12, 1946. 10 F45
- 26422 UNZUETA Y YUSTE, A. DE. El café de la Guinea Española. Inform. Com. Españ., No. 129, sup., p. 12-14. Oct. 25, 1945. 286.8 In3
- 26423 WENTE, H. L. Wine moves ahead! Wine Rev. 14(2): 8-9, 28. Feb. 1946. 390.8 W722 On the wine industry.
- 26424 WERNIMONT, K., and DUARTE COSTA, A. Tea raising in Brazil: old industry advances. (Digest.) Foreign Com. Weekly 23(1): 10-12, 48-49. Apr. 6, 1946. 157.54 F763

## DAIRY PRODUCTS

- 26425 BENDIXEN, H. A. What's ahead for the butter industry? Natl. Butter and Cheese J. 37(4): 42-43, 64, 66, 68. Apr. 1946. 286.85 B98Bu
- 26426 BRICKER, G. Snafu again! Ice Cream Field 47(3): 14, 48, 50, 52. Mar. 1946. 389.8 Ic23 Problems of the ice cream industry.
- 26427 BURNS, J. L. Future of the butter industry. Amer. Butter Rev. 8(4): 25-26. Mar. 1946. 44.8 Am37
- 26428 C., G. Milchwirtschaft im berggebiet. Schweiz. Zentbl. f. Milchw. 35: 18. Feb. 1, 1946. 44.8 Sch93
- 26429 C., G. Milchwirtschaftliches aus Graubünden. Schweiz. Zentbl. f. Milchw. 34: 243. Dec. 28, 1945. 44.8 Sch93
- 26430 CHRISTIAN, C. F. What's ahead in dairying? Certified Milk 21(239): 3, 18. Mar. 1946. 44.8 C33
- 26431 CLAXTON, A. J. Problems ahead in the milk business. Milk Dealer 35(5): 48, 94, 96. Feb. 1946. 44.8 M595 Also in Amer. Milk Rev. 8(3): 18, 20, 22, 26. Mar. 1946. 44.8 Am38



26432 COTTON, W. P. What the future holds for dairy raw materials. (Sum.) Food Mat. and Equip. 6(3): 3-4. Mar. 1946. 389.8 F7393  
Milk and cream supplies.

26433 CULLITY, M. Dairy farm targets. West. Austral. Dept. Agr. J. 22: 224-226. Sept. 1945. 23 W52J

26434 EL DESASTRE de la industria lechera en el Valle de Juárez. Agr. Mex. 62(2): 3-10. (Cont.) Feb. 1946. 8 Ag8

26435 DRIVER, C. E. The Missouri cheese industry. Cheese Rptr. 70(19): 5-6, 9. Jan. 4, 1946. 44.8 Sh3

26436 DRUETTO, E. A. Contribución a la solución del problema forrajero en la zona de San Carlos de Bariloche y su aplicación en la explotación del tambo. Argentina. Dir. de Lechería. B. No. 16, p. 264-270, processed. Oct./Nov. 1945. 281.3449 Ar3

26437 EVAPORATED MILK ASSOCIATION, CHICAGO. Some facts about evaporated milk and other dairy products, June 1945, 47 p. Chicago, 1945. 281.3449 Ev12

Survey of the industry.

26438 HALL, E. K. Essential principles of dairy farming. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 186, 2 p. Pretoria, 1946. 24 So82Pa

26439 HIBBEN, R. C. Bob Hibben's statement before House Food Shortage Committee. South. Dairy Prod. J. 39(4): 54, 58-59. Apr. 1946. 44.8 So83

On milk prices and restrictions on use of dairy products in ice cream manufacture.

26440 HOLMAN, C. W. National picture on reconversion of dairy industry. I-II. Certified Milk 21 (238): 5, 17-18; (239): 9, 15-18. Feb., Mar. 1946. 44.8 C33

26441 HOWE, D. K. The butter situation. South. Dairy Prod. J. 39(4): 60, 62-63. Apr. 1946. 44.8 So83

Statement before the Special House Committee to Investigate Food Shortages.

26442 JACKS, H. Europe's dairy output; look at the old Zeelands. New Zeal. Farmer Weekly 66(24): 33. Jan. 24, 1946. 23 N484

26443 JORGE, F., and MORRIS, J. J. El tambo. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1 (12): 74-79. (Concl.) Sept./Oct. 1945. 49 B86

26444 KENNEDY, R., JR. Urges ice cream makers to cut out waste, improve efficiency, lower operating costs. Confectionery-Ice Cream World 35(13): 15, 22. Mar. 29, 1946. 389.8 C767

26445 LATTIMER, J. E. Some new problems of the Canadian dairy industry. Ontario Milk Prod. 21: 282-284. Mar. 1946. 44.8 On8

26446 LYONS, J. The dairying industry in Eire. Irish Agr. and Creamery Rev. (n.s.) 16(146): 9-10. Feb. 1946. 44.8 C866

26447 MCMIILLAN, G. The dairy farmer's place in our national [Canadian] economy. Ontario Cheese Prod. Assoc. Rpt. (1945) 13: 17-20. 1946. 44.9 On8

26448 MARSHALL, J. H. Additional \$ \$ \$ \$ \$ from dairying. Carolina Co-op. 24(3): 11, 14. Mar. 1946. 72.3 N81

26449 MARTIN, R. Sure way to learn dairy business: grow up in it! Farmer-Stockman 59: 206. Apr. 1946. 6 Ok45

26450 MITTLESTADT, C. Cheese industry changes. Part II. Wis. Agr. and Farmer 73(6): 10. Mar. 16, 1946. 6 W751

26451 NADEAU, J. P. Production trends in the Canadian dairy industry. Canad. Dairy and Ice Cream J. 25(3): 37-38, 70. Mar. 1946. 44.8 C162

26452 NEW YORK METROPOLITAN MILK MARKETING AREA. Listings of handlers and plants, June 25, 1945, 19 p. N. Y., 1945. 225 N489

26453 NORGAARD, J. C. Creameries have great year; ready to expand. Nebr. Co-op. 1(19): 1, 6. Mar. 6, 1946. 280.28 N27

Farmers Union Co-operative Creameries.

26454 PACE, S. The dairy situation; a report of the Special Food Committee to the House of Representatives. South. Dairy Prod. J. 39(4): 20-22. Apr. 1946. 44.8 So83

26455 PETERSON, C. O. Dairymen look ahead. Wis. Agr. and Farmer 73(6): 8, 35. Mar. 16, 1946. 6 W751

26456 PIPER, H. L. The milk situation. New England Homestead 119(6): 17, 36. Mar. 23, 1946. 6 N442

26457 PRIOR, R. S. High quality milk boosts demand for dairy products. Washcoegg 23(10): 27-28. Mar. 1946. 47.8 W27

26458 REED, O. E. Today and tomorrow in the dairy industry. Hoard's Dairyman 91: 104-105, 118-119. Feb. 10, 1946. 44.8 R5

26459 RICHARDS, O. M. Meeting new demand for dairy foods claimed on industry's biggest job. Certified Milk 21(238): 3, 18. Feb. 1946. 44.8 C33

26460 ROTHE, H. H. Dade-Broward County [Florida] milk producers take lead. South. Dairy Prod. J. 39(4): 34-35. Apr. 1946. 44.8 So83

26461 RUSH, D. R. Dairying on the west coast. Business of Farming 5(1): 14. Feb./Mar. 1946. 6 B96

26462 THOMSEN, L. C. Plant operating margins. Milk Dealer 35(6): 94, 96, 98, 100, 102. (Concl.) Mar. 1946. 44.8 M595

Fat losses in dairy plants.

26463 TURGASEN, V. L. Dairy and butter plant efficiencies. Amer. Butter Rev. 8(4): 26. Mar. 1946. 44.8 Am37

26464 WEAVER, E. Dairy education and training in the United States of America. Irish Agr. and Creamery Rev. (n.s.) 16(146): 19-20. (To be cont.) Feb. 1946. 44.8 C866

26465 WELLS, L. T. The eight point dairy program and its relation to the South. South. Dairy Prod. J. 39(4): 42. Apr. 1946. 44.8 So83

26466 WILSDORF, G. Saanen Valley cheese. Amer. Dairy Goat News 7(10): 5. Apr. 1946. 40.18 Am34

#### Analysis and Composition

26467 CORRIE, C. J. R. Concerning safe milk for town and farm supply. Stock and Land 36(1): 3. Jan. 3, 1946. 49 St63

Cattle diseases may be transmitted to humans through insanitary milk.

26468 FERRY, C. A. The place of the laboratory in a milk sanitation program. Milk Plant Monthly 35(4): 26, 66-68, 83. Apr. 1946. 44.8 C864

Testing laboratory.

26469 SUMMER, I. Suggestions from the testing commission. Milk Prod. [Peoria] 22(2): 4. Feb. 1946. 280.38 M595

Butterfat tests.

26470 TEAGUE, C. E. Why butterfat tests vary. Prog. Farmer, Ga.-Ala.-Fla. Ed. 61(4): 65. Apr. 1946. 6 P945G

26471 VEALE, P. O. Milk constituents. Straight Furrow 5(3): 24, 25. Jan. 15, 1946. 281.8 St8

26472 VERGE, J. Recherche du bacille tuberculeux dans les laits mis en vente à Paris. Soc. de Biol. Compt. Rend. 139: 458-459. May 1945. 442.9 P21

- 26473 WINTER, H. G. M. The Ontario dairy convention. O.A.C. Rev. 58: 187-188. Jan. 1946.  
276.8 On8  
Chiefly on cause of variation in fat content of milk.

#### Consumption and Utilization

- 26474 CASSELMAN, P. H. Why Canadians are low cheese consumers. Canad. Dairy and Ice Cream J. 25(3): 46, 48, 65. Mar. 1946. 44.8 C162  
26475 GOMEZ, A. Aprovechamiento de la leche flaca. Res 14: 18528-18530. Jan. 5, 1946.  
286.85 R31  
26476 MCCALLUM, D. H. Utilization of whey for profit to producer and manufacture. Canad. Dairy and Ice Cream J. 25(3): 60, 62. Mar. 1946.  
44.8 C162

#### Distribution, Marketing, and Transportation

- 26477 BARTLETT, R. W. Can milk distribution cost be lowered? Milk Plant Monthly 35(4): 24-25, 84. Apr. 1946. 44.8 C864  
26478 BENSON, H. A. Marketing butter, begins on the farm. Creamery J. 57(4): 5, 39. Apr. 1946.  
44.8 C86  
26479 BUTTON, M. Dairying today. Pure Milk Prod. Press 11(1): 7. Mar. 1946. 280.28 P972  
Out-state marketing of dairy products for Wisconsin producers.  
26480 CHILSON, L. B. Brownlee & Lively improve service and package for Atlanta customers. Dairy World [Chicago] 24(10): 8-9, 53. Mar. 1946.  
44.8 D1423  
26481 EMENTAL A. G. EXPORTGESELLSCHAFT FÜR SCHWEIZERKÄSE ZOLLIKOFEN-BERN. Bericht über das geschäftsjahr 1944/45. Schweiz. Zentbl. f. Milchw. 34: 241. (Concl.) Dec. 28, 1945. 44.8 Sch93  
26482 FOSTER, W. Bright future for marketing of natural cheese. Cheese Rptr. 70(30): 5, 6. Mar. 22, 1946. 44.8 Sh3  
26483 GALE, S. A. Problems of distribution of city milk. So. Austral. Dept. Agr. J. 49: 215-216. Dec. 1945. 23 So84  
26484 HARRISON, W. F. Expanding markets. Ontario Cheese Prod. Assoc. Rpt. (1945) 13: 21-24. 1946. 44.9 On8  
South American market for Canadian cheese.  
26485 JOSS, S. L. "Cheese markets." Ontario Cheese Prod. Assoc. Rpt. (1945) 13: 7-16. 1946.  
44.9 On8

- 26486 MELLOR, G. A. Tomorrow's merchandising [of milk]. Milk Dealer 35(6): 54, 118, 120-121. Mar. 1946. 44.8 M595  
26487 SCHWEIZERISCHER BAUERNVERBAND. PREISBE-  
RICHTSTELLE. 148. bericht über den internationalen markt für milch und molkereiprodukte im IV. quartel 1945, 8 p. Brugg, 1946. 284.39 Se2  
Have also in French.

- 26488 TEEL, E. Future motor delivery [of milk]. Milk Dealer 35(6): 57-58, 60, 62. Mar. 1946.  
44.8 M595

Includes discussion of the trucks.

- 26489 WOODBURN, W. Buying milk on a hundred weight basis. Holstein-Friesian World 43: 566, 634. Mar. 16, 1946. 43.8 H742

#### Grading, Inspection, Standardization, and Quality

- 26490 BABEL, F. J. Factors influencing butter flavor. Amer. Perfumer and Essential Oil Rev. 48(3): 61, 63, 67, 69. Mar. 1946. 308.8 Am3  
26491 BANNAN, J. A. Quality and how to get it! Ice Cream Field 47(3): 45-47. Mar. 1946.  
389.8 Ic23

- 26492 BERG, E. K. Quality and the 8-point program. Dairy World [Chicago] 24(10): 13-14, 16-17, 53-54. Mar. 1946. 44.8 D1423

- 26493 EIERI, W. Qualitätsprüfung für melker. Schweiz. Zentbl. f. Milchw. 35: 5. Jan. 11, 1946.  
44.8 Sch93

Milk quality as influenced by care and handling and condition of the barn, and methods of rating milkers on performance and milk quality.

- 26494 DUMOND, C. C. The outlook for State milk control. Dairy World [Chicago] 24(10): 10-12, 49-50. Mar. 1946. 44.8 D1423

- 26495 DUNCAN, C. D. Defects in Ohio butter and cheese. Amer. Butter Rev. 8(4): 23-25. Mar. 1946.  
44.8 Am37

- 26496 HOAG, W. G. "Quality" is more than a name. News Farmer Coop. 13(1): 9-10. Apr. 1946.  
166.2 N47

In cheese.

- 26497 KEGAN, A. I. Check ingredient guarantees. Ice Cream Field 47(3): 32. Mar. 1946. 389.8 Ic23

- 26498 KJOS-HANSEN, B. Standardisering av konsummjolk - litt mere om dette spørsmålet. Meieri-posten 34: 740-743. Dec. 29, 1945. 44.8 M47

Standardization of the fat content in consumer milk in Norway.

- 26499 MARQUARDT, J. C. Cheese improvement program. Cheese Rptr. 70(19): 7, 8. Jan. 4, 1946.  
44.8 Sh3

- 26500 MURGUIA, L. J. Algunas consideraciones sobre la calidad de la leche que consume Montevideo. Indus. Lechera 27: 785-790. Nov. 1945. 44.8 In26

- 26501 PEPPERALL, R. A. Origin and activities of the Milk Marketing Board in United Kingdom. Indian Farming 6: 500-505. Nov. 1945. 22 In283

- 26502 REICHAERT, E. L. Extraneous matter in cheese. South. Dairy Prod. J. 39(4): 46-47. Apr. 1946. 44.8 So83

- 26503 SASKATCHEWAN, MILK CONTROL BOARD. Annual report, 1945, 10 p., processed. Regina, 1946.  
280.3449 Sa7

- 26504 VAN DER RIET, C. M. Production of milk for cheesemaking. Union So. Africa. Dept. Agr. and Forestry. Agr. Prod. Publicity Ser. 180, 2 p. Pretoria, 1946. 24 So82Pa

Production of quality milk.

- 26505 WHITE, A. H., and GIBSON, C. A. Report of studies on the "winter" flavour of butter. Canad. Dairy and Ice Cream J. 25(3): 39-40, 42, 78. (Concl.) Mar. 1946. 44.8 C162

#### Packing and Packaging

- 26506 DOMINGUEZ, F., MERZARI, A. H., and PONCE, I. R. Defecto producido por el papel metalico utilizado como envoltura en los quesos fundidos. Argentina. Dir. de Lecheria. B., No. 15, p. 205-208, processed. Aug./Sept. 1945. 281.3449 Ar3

#### Prices, Price Control, and Rationing

- 26507 HOLMAN, C. W. The Federal dairy policy; a plea for the early return to competitive prices for dairy products. Hoard's Dairyman 91: 287. Apr. 10, 1946. 44.8 H65

- 26508 HURTZ, L. E. Dairy Industry Committee recommendation on maximum price controls. Natl. Butter and Cheese J. 37(4): 90-92. Apr. 1946. 286.85 B98Bu  
Recommendation before the House Banking and Currency Committee on March 19.

- 26509 JOHNSON, S. Adjusting [milk] production to consumption. Hoard's Dairyman 91: 252. Mar. 25, 1946. 44.8 H65

Price programs.



26510 KONIRSH, W. G. Can't someone answer Fred?  
West. Dairy J. 2(5): 21-22. Mar. 1, 1946.

44.8 W524  
Milk price problem.

26511 PIPER, H. L. Farmers will get substantial  
increase. Our Milk 1(1): 1, 4. Oct. 1945.  
280.28 Ou7

Milk prices.

26512 SMITH, C. W. Class I price revision.  
Our Milk 1(5): 1, 3. Feb. 1946. 280.28 Ou7

Milk prices.

26513 SPENCER, L., and LUKE, H. A. The fall  
shortage of milk; a problem in price adjustment.  
N. Y. Agr. Col. (Cornell) A. E. 550, 31 p., processed.  
Ithaca, 1946. 281.9 C81

26514 WISCONSIN CHEESE MAKERS' ASSOCIATION.  
Lift controls...WCMA. Cheese Rptr. 70(30): 1, 3, 7,  
9, 10. Mar. 22, 1946. 44.8 Sh3

Major portion of the text of a petition asking for  
removal of price controls on dairy products.

26515 YOUNG, H. P. Making a milk price. In-  
depend. Prod. Guide 6(3): 6, 7. Mar. 1946.  
44.8 In27

Includes computation of parity prices.

#### Processing and Storage

26516 ALBUQUERQUE, H. Obtenção da lactóse bruta.  
Agr. e Pecuária 16(271): 45-46. Nov. 1945.  
9.2 Ag89

From whey.

26517 BLACKMON, A. A. Making butter on the farm.  
Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 61, 71. Apr.  
1946. 6 So81

26518 CHARLEBOIS, M. Nursing auxiliaries aid  
safe milk campaign. Pub. Health Nursing 38: 123-  
124. Mar. 1946. 448.8 P96

Home pasteurization demonstrations.

26519 COOK, W. H. New buttermaking processes  
used in German creameries. Canad. Dairy and Ice  
Cream J. 25(3): 33-34. Mar. 1946. 44.8 C162

Machinery and processes.

26520 ENGLAND, C. W. What we have learned about  
formulas in making wartime ice cream. South. Dairy  
Prod. J. 39(4): 36, 38-39, 43. Apr. 1946.  
44.8 So83

26521 EVAPORATED MILK ASSOCIATION. Annual re-  
port of the Evaporated Milk Association and industry,  
1945, 32 p., processed. n. p., 1946? 44.9 Ev1A

26522 GUITTONNEAU, G., and others. Sur le mé-  
canisme biochimique d'une stabilisation provisoire  
des laits par pasteurisation et oxygénation à chaud.  
Paris. Acad. des Sci. Compt. Rend. 222: 458-460.  
Feb. 18, 1946. 505 P21

M. Bejambes, R. Veisseyre, and G. Faurot de Lamothe,  
joint authors.

26523 HOUSELANDER, H. Advantages of dried and  
canned milk. Milk Plant Monthly 35(4): 38, 62-63.  
Apr. 1946. 44.8 C864

26524 IRVINE, O. R. Canadian blue cheese  
manufacture an example of where science aids an  
ancient art. O.A.C. Rev. 58: 205-206, 222. Jan.  
1946. 276.8 On8

26525 JOFFE, M. A. Exclusive story of how  
vitamin-ed ice cream was developed. Ice Cream Field  
47(3): 26, 28. Mar. 1946. 389.8 Ic23

26526 KREHBIEL, L. F. How the creameryman  
guards quality of quality milk. West. Dairy J. 2  
(5): 18-19, 66-67. Mar. 1, 1946. 44.8 W524

Care and handling.

26527 L., B. DO. Fabrico do queijo "cottage."  
Chacaras e Quintais 71: 567. May 15, 1945. 9.2 C34

26528 LEIGHTON, A. Commercial ice-cream formu-  
las. Milk Plant Monthly 35(4): 27-28, 30, 32, 52,  
54, 60. Apr. 1946. 44.8 C864

26529 LINES, J. L. Casein plastics. Chemistry  
19(7): 8-11. Mar. 1946. 381 J826A

26530 MCCUMBER, D. R. Dry milk has a future.  
Nation's Agr., Kans. Ed. 21(3): 6, 16. Mar. 1946.  
280.82 B89A

26531 OKEY. Let us have fewer frills and clean-  
er milk. Home Farmer 13(2): 10-11. Feb. 1946.  
280.344 H75

26532 OLSON, J. C., JR., and MACY, H. Propionic  
acid, sodium propionate and calcium propionate as in-  
hibitors of mold growth [on butter]. II. Studies per-  
taining to the active agent responsible for the in-  
hibitory effect of the propionates. J. Dairy Sci.  
29: 173-180. Mar. 1946. Ref. 44.8 J822

26533 PARKIN, I. E. Producing high quality in  
milk. Milk Dealer 35(6): 132-135. Mar. 1946.  
44.8 M595

Care and handling and sanitation.

26534 PEREZ MONTENEGRO, J. La elaboración de  
quesos. Uruguay. Min. de Ganad. y Agr. Bol. Inform.  
3: 31. Jan. 24, 1946. 9.9 G15B

26535 PYNE, G. T. Rennet hysteresis and the  
calcium phosphate of milk. Biochem. J. 39: 385-390.  
1945. 382 B52

26536 R., W. Die technischen errungenschaften  
im dienste der land- und milchwirtschaft. Schweiz.  
Zentbl. f. Milchw. 35: 19, 20. Feb. 1, 1946.  
44.8 Sch93

Technical aspects of butter manufacture.

26537 RAMÍREZ S., C. A. La influencia de la  
bodega de maduración en la calidad de los quesos.  
Agrario 10(371): 42. Nov. 30, 1945. 9.3 Ag85

26538 RAMÍREZ S., C. A. Ventajas de la higiene  
en quesería y mantequillería. Agrario 10(372): 13.  
Dec. 31, 1945. 9.3 Ag85

26539 RAMSEY, R. J. Storage of ice cream ingre-  
dients. Dairy World [Chicago] 24(10): 20, 22, 24.  
51-52. Mar. 1946. 44.8 D1423

Butterfat and solids-not-fat.

26540 RANGASWAMY, M. C. Casein and its manufac-  
ture. Indian Farming 6: 511-513. Nov. 1945.  
22 In283

26541 SCHAFER, P. S., GREENBANK, G. R., and  
HOLM, G. E. The rate of autoxidation of milk fat in  
atmospheres of different oxygen concentration. J.  
Dairy Sci. 29: 145-150. Mar. 1946. 44.8 J822

26542 SLATTER, W. L. Controlling body and tex-  
ture of butter. Amer. Butter Rev. 8(4): 22-23.  
Mar. 1946. 44.8 Am37

26543 THOMSEN, F. L. Frozen milk. Hoard's  
Dairymen 91: 257. Mar. 25, 1946. 44.8 H65

26544 TROUT, G. M. Plain words about better  
milk; advice that can save dairymen a lot of trouble.  
Jersey B. 65: 162, 206-208. Feb. 10, 1946.  
43.8 J48

#### Statistics

26545 ANALISIS estadístico de la elaboración,  
exportación, existencia y consumo de productos  
lácteos durante el año 1944. Argentina. Dir. de  
Lechería. B. No. 16, p. 241-263, processed.  
Oct./Nov. 1945. 281.3449 Ar3

26546 DAIRYMEN'S CO-OPERATIVE SALES ASSOCIATION.  
Complete summary of sales and other statistical data,  
1945, 16 p., processed. n. p., 1946? 280.2449 D14

#### FEED AND FORAGE CROPS

26547 GRIGOR'EVA. Vse kolkhozy raiona imeiut  
prifermakie uchastki. Sel'so (Ser. Kolkhoz. Zhi-  
votn.) 14(129/131): 3-4. 1945. 49 Se4

Feed production by livestock farmers.

26548 KOTZE, J. J. Better use of veld and feed  
supplies. Union So. Africa. Dept. Agr. & Forestry.  
Agr. Prod. Publicity Ser. 190, 2 p. Pretoria, 1946.  
24 So82P

- 26549 LOUISIANA. DEPT. OF AGRICULTURE AND IMMIGRATION. Report of analysis of commercial feed stuffs, 1944/45, 47 p. Baton Rouge? 1945? 389.9 L93
- 26550 MCCLINTOCK, J. O. Testimony on feed shortage. Feedstuffs 18(12): 24-26. Mar. 23, 1946. 286.81 F322
- 26551 SMITH, B. Hay inspections aid both buyer and seller in determining U. S. grades. Feed Bag 22(3): 55-56. Mar. 1946. 389.78 F32
- 26552 TOM, R. C. Research in livestock production. West. Livestock Rptr. 6(26): 11. Feb. 27, 1946. 286.85 W523
- Feed problems in the livestock industry.
- 26553 TOME, G. A. Conservación racional de forrajes. Res 14: 18545. Jan. 5, 1946. 286.85 R31
- 26554 TURK, K. L. Make plans now for mid-summer feed. Dairymen's League News 30(7): 8. Mar. 26, 1946. 44.8 D1432
- 26555 WARD, G. H. The feed situation. Va. Farm Econ., No. 84, p. 997-999. Mar. 1946. 275.29 V813

## FIBERS AND TEXTILES

- 26556 ADAIR, W. The wool report--what organized market would yield. Farming News and North Brit. Agr. 98(6): 3. Feb. 1, 1946. 10 N82
- 26557 ASTBURY, W. T. The structure and elastic properties of synthetic fibres. (Sum.) Chem. & Indus., No. 10, p. 110. Mar. 9, 1946. 382 M31C
- 26558 BARRERA VILAR, J. La superioridad de nuestro henequén. Sisal de Yucatán 6(73): 14. Jan. 1946. 73.8 S183
- 26559 BECK, J. A. When Belfast was a cotton centre--7: two Mulholland mills. Fibres, Fabrics and Cordage 13: 106-107. Mar. 1946. 304.8 Ir42
- History of the spinning industry.
- 26560 BELLWOOD, L. Warp yarns; a study of significant warp yarn tests. Textile Rec. 63(756): 43-44, 63. (To be cont.) Mar. 1946. 304.8 T311
- 26561 BERKLEY, E. E., and KERR, T. Structure and elasticity of undried cotton fibers. Indus. and Engin. Chem., Indus. Ed. 38: 304-309. Mar. 19, 1946. 381 J825
- 26562 BLAU, G. Wool in the post-war world. Wool. Rec. and Textile World 69: 503, 505, 518-521, 523. Mar. 7, 1946. 45.8 W884
- 26563 BLUNT, I. Reviews government control of rayon industry. Textile Colorist and Converter 68(3): 24-25, 42, 44. Mar. 1946. 306.8 T31
- 26564 BONNET, F. Research role in producing synthetic fibres. (Excerpts.) Fibre & Fabric 99 (3191): 6-9. Mar. 30, 1946. 304.8 F44
- Includes protein-base fibers.
- 26565 BOWDEN, C. M. Yarn finishing aided by photography. Textile World 96(3): 137, 139. Mar. 1946. 304.8 T315
- Photographic analysis of cotton yarn.
- 26566 BOYD, D. T. The wool industry. Westralian Farmers' News 6(292): 1, 5. May 10, 1945. 280.28 W523
- 26567 CANNON, C. A. Government controls and the textile industry. Textile B. 70(2): 92, 94-96. Mar. 15, 1946. 304.8 So82
- 26568 COLLINS, E. R. More cotton from fewer acres. South. Agr. 76(4): 27. Apr. 1946. 6 So83
- Economic aspects of production.
- 26569 CULPEPPER, F. S. Use of viscose rayon staple on the cotton system. Rayon Textile Monthly 27: 129-132. Mar. 1946. 304.8 R21
- 26570 DRENNEN, J. T., and BOSWELL, T. A. Rayon on woolen system; lower draft needed for rayon than for wool. Textile World 96(3): 133, 209-210, 214. Mar. 1946. 304.8 T315
- Spinning of rayon staple on woolen frames.
- 26571 DU FRANE, B. Mexico's istle industry. Agr. in the Americas 6: 71-73. Apr. 1946. 1 F752A
- 26572 DURR, F. L. Patents digest of two-bath coagulating viscose process development. Rayon Textile Monthly 27: 126-128. (To be cont.) Mar. 1946. 304.8 R21
- 26573 FAUST, A. F., and HENSON, F. A. Uptake of hydrochloric acid by cottonseed and cotton fiber during "fuming" of analytical samples. Oil & Soap 23: 74. Mar. 1946. 307.8 J82
- 26574 G., B. Französische leinenindustrie erst auf 30 prozent der friedensproduktion. Textil-Rev. 24: 753. Nov. 1, 1945. 304.8 T3138
- 26575 GABBARD, L. P. Cotton Research Congress has had dramatic growth. Cotton Digest 18(26): 20, 24-25. Mar. 23, 1946. 286.82 C822
- 26576 GARCIA MATA, R. Algunos aspectos económicos de la producción algodonnara argentina. Rev. de Econ. Argentina 44: 566-569. Dec. 1945. 280.8 R325
- 26577 GOODWIN, R. C. Cotton research for Texas. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 436, 6 p., processed. Columbus, Ohio, 1946. 381 N213P
- 26578 GUTHRIE, J. F. Address on wool industry. Westralian Farmers' News 6(289): 8; (290): 8. (Cont.) Apr. 19, 27, 1945. 280.28 W523
- 26579 HALL, G. A. Paper and board; trends of developments in the manufacture and use in the U. S. A. during the war years. World's Paper Trade Rev. 125: 460, 462, 465. (Cont.) Feb. 15, 1946. 302.8 W89
- This installment discusses progress in artificial textile fibers and uses for them.
- 26580 HAZARD, E. P. Three wool growers groups in Valley. San Luis Val. Farmer and Stockman 1(3): 13. Dec. 1945. 6 Sa52
- 26581 HOOPER, J. A. The wool market situation. Utah Farmer 65(13): 9, 16. Feb. 25, 1946. 6 D45
- 26582 JELLEME, W. O. Standardization becomes fact in the marketing of cotton. Cotton Trade J. 26 (13): 9, 10. Mar. 23, 1946. 72.8 C8214
- 26583 JONES, C. S. Palconia; a new vegetable fibre. Fibres, Fabrics and Cordage 13: 113. Mar. 1946. 304.8 Ir42
- Made from bark of the redwood tree.
- 26584 JONES, C. S. The Shirley Institute; how the Cotton Industry Research Association works. Fibres, Fabrics and Cordage 13: 119-120. Mar. 1946. 304.8 Ir42
- 26585 LAMBIN, J. J. Perecerá a cultura do linho [Brazil]? Observador Econ. e Financ. 10(119): 97-102. Dec. 1945. 280.8 Ob72
- 26586 LAWSON, A. E. Natural wool and its future. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 449, 3 p., processed. Columbus, Ohio, 1946. 381 N215P
- Also in Pacific Northwest Indus. 5(5): 80-81, Feb. 1946. 280.8 N812
- 26587 LITTLE, J. M. Synthetic fiber industry poses serious threat in domestic cotton market. Cotton Digest 18(27): 7, 22. Mar. 30, 1946. 286.82 C822
- 26588 LOCKE, J. M. World cotton industry has rosy future, president says. Cotton Digest 18(26): 11, 31-35. Mar. 23, 1946. 286.82 C822
- 26589 LUNDGREN, H. P. Progress of research on certain synthetic protein fibers. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 437, 2 p., processed. Columbus, Ohio, 1946. 381 N213P
- Also in Pacific Northwest Indus. 5(5): 82, Feb. 1946. 280.8 N812
- 26590 MAQUINA e algodão. Observador Econ. e Financ. 10(119): 46-50. Dec. 1945. 280.8 Ob72
- On the cotton industry, chiefly in Brazil.



26591 MATHER, W. H. British and Australian unity for wool industry progress. Farmer and Settler 40(45): 3. Dec. 7, 1945. 23 F226

26592 MAUERSBERGER, H. R. New additions in American rayon deniers and filament table. Rayon Textile Monthly 27: 136-137. Mar. 1946. 304.8 R21

26593 MITCHELL, H. N. Fungus resistance of various fibres. Textile Colorist and Converter 68(3): 22-23, 47. Mar. 1946. 306.8 T31

26594 MUIR, J. Sheepmen seek better method of determining wool shrinkage. Northwest Farm News 29(12): 3. Mar. 21, 1946. 275.293 N81

26595 MURCHISON, C. T. Increasing changes in structure [of the textile industry]. Textile B. 70(2): 96, 98, 100. Mar. 15, 1946. 304.8 So82

26596 OLDHAM MASTER COTTON SPINNERS' ASSOCIATION LIMITED. Report of the committee, 1945, 129 p. Oldham, 1946. 72.9 OLL

26597 OLIVER, J. G. The impact of the United States on world rayon trade. Silk & Rayon 20: 290, 292. Mar. 1946. 304.8 S132

26598 PEIRCE, F. T. Trends in textile research. Textile B. 70(2): 102, 104, 106, 108. Mar. 15, 1946. 304.8 So82

Includes the fiber.

26599 PEREZ CATAN, M. Nuevas bases para la comercialización del lino [Argentina]. II. Ingen. Agron. 7: 79-91. Apr./June 1945. 9 In4

26600 PERO, H. L. The relationship of twist to the strength and length shrinkage of a woolen yarn. Lowell Textile Inst. B., ser. 49, No. 2, 4 p. Lowell, 1945. 73.9 L95B

26601 PINGREE, R. A. Water-resistant treatments. Amer. Dyestuff Rptr. 35: P124-P126. Mar. 11, 1946. 306.8 Am3

Discussion, p. P126-P127.

Includes chemistry of the fiber.

26602 POLSON, W. J. Wool - growers need help; weakness of disposal scheme. Straight Furrow 5(3): 32, 33. Jan. 15, 1946. 281.8 St8

Marketing control in New Zealand.

26603 PRATT, H. L. Counting neps in fibers. Cotton [Atlanta] 110(3): 72-76. Mar. 1946. 304.8 C823

26604 PRESIDENT Truman submits "an effective wool program." Colo. Wool Grower and Marketer 12(1): 3, 14. Mar. 1946. 280.38 C71

26605 REVERE, C. T. Price rises due to speculation is discredited by cotton authority. Cotton Trade J. 26(14): 9, 10. Mar. 30, 1946. 72.8 C8214

26606 REVERE, C. T. The textile trade's potential stability. Textile B. 70(2): 88, 90. Mar. 15, 1946. 304.8 So82

26607 ROBINSON, B. B., and SCHOFFSTALL, C. W. The Italian hemp industry. U. S. Dept. Com. Off. Pub. Bd. Rpt. 15595, 12 p., typewritten. Washington, 1945. 157.8 R29

26608 HUDNI, L. Hay excelentes perspectivas para la colocación del lino. Chacra 16(183): 80. Jan. 1946. 9 C34

26609 HUDNI, L. Son más favorables las perspectivas del mercado lanero. Chacra 16(184): 28-29. Feb. 1946. 9 C34

26610 SANDERS, P. D. The way it looks to me. Victory Farm Forum, No. 22, p. 3. Mar. 1946. 281.8 F226

Outlook for cotton.

26611 SCHOFFELMAYER, V. H. One hundred years of Texas cotton; Lone Star State celebrating centennial of statehood and century of cotton business. Cotton Trade J. 26(13): 9, 13. Mar. 23, 1946. 72.8 C8214

26612 SEAMAN, S. E. A look at the future of rayon. Rayon Textile Monthly 27: 116, 117. Mar. 1946. 304.8 R21

26613 SEYMOUR, R. B. Facts and fiction about fibers and finishes. Amer. Dyestuff Rptr. 35: P128-P130. Mar. 11, 1946. 306.8 Am3

26614 SHANKLIN, J. A. North Carolina cotton program is competing with synthetics. Cotton Trade J. 26(14): 9, 11. Mar. 30, 1946. 72.8 C8214

26615 SMITH, G. Cotton? rayon? wool? Westralian Farmers' News 7(324): 1. Jan. 10, 1946. 280.28 W523

Supply situation.

26616 SMITH, G. Wool price averages. Westralian Farmers' News 7(325): 1. Jan. 17, 1946. 280.28 W523

26617 SMITH, G. Wool research as an investment. Westralian Farmers' News 7(327): 1. Jan. 31, 1946. 280.28 W523

26618 SMITH, L. H., and QUIG, J. B. Rayon production in France. U. S. Dept. Com. Off. Pub. Bd. Rpt. 14522, 3 p., processed. Washington, 1945. 157.8 R29

26619 SMITH, L. H., comp. Synthetic fiber developments in Germany. U. S. Dept. Com. Off. Pub. Bd. Rpt. 7416, 1023 p., processed. Washington, 1946. 157.8 R29

Includes the general textile situation and rayon and other synthetic fiber manufacture.

26620 STEWART, E. 500,000 bales. Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 25. Apr. 1946. 6 So81

Cotton insulation.

26621 STRAUGHN, W. D. R. The place of rayon in tires. Textile B. 70(2): 120, 122. Mar. 15, 1946. 304.8 So82

26622 SWEATT, H. B. Gelatin grades affect slashing of rayon yarns. Textile World 96(3): 141, 143, 216, 219-220. Mar. 1946. 304.8 T315

26623 SYNTHETIC and natural fibres; successful blending is reward of experiments. By "Diplomist." Textile Weekly 37: 392, 394, 396, 444, 446. Feb. 22, Mar. 1, 1946. 304.8 T3127

26624 VAN HORN, L. How much did your wool bring? Wool Sack 14(8): 2, 11. Apr. 1946. 280.28 W88

26625 VISWANATHAN, M. What I saw of the cotton industry in England, U.S.A. and Switzerland. Indian Textile J. 56(664): 294-297. Jan. 1946. 304.8 In2

26626 WARD, K., JR. Agricultural fibers as sources of cellulose, including research on fiber properties. U. S. Dept. Com. Off. Pub. Bd. Rpt. 3456, 7 p., processed. Washington, 1945. 157.8 R29

#### FRUITS, VEGETABLES, AND NUTS

26627 ALCORN, G. B., and SHEAR, S. W. Outlook for deciduous fruits and nuts. Pacific Rural Press 151: 248, 249. Mar. 16, 1946. 6 P112A

26628 BÉRUBÉ, B. Un pomiculteur se montre optimiste. Terre de Chez Nous 18(21): 6. Feb. 20, 1946. 7 T27

26629 BUCHANAN, M. T. A coordinated research program for the Washington fruit industry. Wash. State Hort. Assoc. Proc. (1945) 41: 127-129, 131-132. 1946. 81 W273

26630 CARR, C. B. Lose it in five years; cull apples are "wolf at door" for apple industry in years ahead. East. Fruit Grower 9(1): 5. Mar. 1946. 80 Ea73

26631 CHUESS, W. V. Fruit and vegetable products and by-products. Fruit Prod. J. and Amer. Food Mfr. 25: 203-206. Mar. 1946. 389.8 F94

26632 DRUEHL, W. C. The freestone peach situation as viewed by the canner. Wash. State Hort. Assoc. Proc. (1945) 41: 63-67. 1946. 81 W273

Discussion, p. 67-68.



- 26633 DUARTE, P. R. La fruticultura en Cuba. Rev. Ganad [Habana] 6(1): 16, 49. Jan. 1946. 8 R3292
- 26634 THE DUTCH grape industry; history, methods and prospects. Food [London] 15(174): 72-73. Mar. 1946. 389.8 F738  
Data obtained from the Horticultural Advisory Service of the Netherlands.
- 26635 FULLERTON, A. W. Nova Scotia's apple industry experienced a grim year. Farmer's Advocate and Home Mag. 81: 58. Jan. 24, 1946. 7 F22
- 26636 GARCIA DE LOS SALMONES, L. La situación vitícola en España en 1945. Off. Internatl. du Vin. B. 18(175/178): 3-5. Sept./Dec. 1945. 390.9 B87
- 26637 GERHARDT, F., and SMITH, E. Physiology and dessert quality of Delicious apples as influenced by handling, storage, and simulated marketing practice. Wash. State Hort. Assoc. Proc. (1945) 41: 151-169, 171-172. 1946. Ref. 81 W273
- 26638 GILBERT, E. Some problems of the fruit industry. Natl. Farm Chemurg. Council Chemurg. Papers, No. 448, 3 p., processed. Columbus, Ohio, 1946. 381 N213P  
Also in Pacific Northwest Indus. 5: 66-67. Jan. 1946. 280.8 N812
- 26639 HERNÁNDEZ TORRES, O. El penino; cultivo, envase, exportación. Rincón Compesino 6(61/62): 28-30. Dec./Jan. 1946. 8 R47
- 26640 JOHNSTON, S. Peaches, the outlook, practices and problems. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 48-52. 1946. 81 M58
- 26641 KITCHIN-KERR, G. E. Citrus industry expansion; analysis of 1945 survey and 1956 estimate; suggested production target for 1956. Citrus News 22(1): 6-7. Jan. 31, 1946. 80 C494
- 26642 LUENGO, F. A. Los ciento diez años del comercio de la uva de Almería. Inform. Com. Españ. No. 127, sup., p. 2-4. Sept. 25, 1945. 286.8 In3
- 26643 NATIONAL FARMERS' UNION. POTATO COMMITTEE. Seed potato production in Northern Ireland. N. F. U. Rec. 24: 122-123. Mar. 1946. 281.8 N21
- 26644 NOBLE, C. V. Citrus production trend and present situation. Citrus 8(7): 8-12. Mar. 1946. 80 C498
- 26645 NOLD, T. The apple industry prepares for a sound peace time future. Wash. State Hort. Assoc. Proc. (1945) 41: 97, 99-103. 1946. 81 W273  
Discussion, p. 103-105.
- 26646 PALMER, C. D. Fruit production prospects for 1946. U. S. Bur. Agr. Econ. Agr. Situation 30 (3): 13-15. Mar. 1946. 1 Ec7Ag
- 26647 SCHNITZER, J. G. Serious drop in chestnut extract. Dom. Com. 34(4): 17-18. Apr. 1946. 157.54 D713
- 26648 SMITH, M. The changing picture in the production and marketing of Michigan peaches. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 52-58. 1946. 81 M58
- 26649 STEYNOR, R. L. Country is "strawberry starved"; the future of strawberry growing in Great Britain. N. F. U. Rec. 24: 124-125. Mar. 1946. 281.8 N21
- 26650 SZEGO, E. L'avenir de la féculerie française. Assoc. des Chim. B. 62: 219-227. July/Sept. 1945. 383 As7  
From potatoes.
- 26651 THAYER, E. N. Association faces new problems in years immediately ahead; research seen as key to industry progress. Sunsweet Standard 39(10): 2-3, 6. Mar. 1946. 286.83 Su7  
California Prune and Apricot Growers Association.
- 26652 UPSHAW, H. C. Potato-eye view of an empire. Farm and Ranch 65(4): 29, 32-33. Apr. 1946. 6 T31  
Texas.
- 26653 WESTERN walnuts. West. Canner and Packer 38(2): 39-45, 48-51. Feb. 1946. 286.83 W522  
Seventeenth product survey published by Western Canner and Packer.
- 26654 YAKIMA FRUIT GROWERS ASSOCIATION. General manager's report. Big Y B. 21(8): 5-8. Feb. 1946. 286.83 B48
- Analysis and Composition
- 26655 BALAVOINE, P. Expériences sur la présence d'arsenic sur les fruits et dans leurs jus. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 36: 282-283. 1945. 389.9 Sw6
- 26656 HADORN, H. Über die extrakt- und wasserbestimmung in obstsäften und konzentraten. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 36: 324-334. 1945. 389.9 Sw6
- 26657 HADORN, H. Über obstsaftkonzentrate. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 36: 334-344. 1945. 389.9 Sw6  
Analysis.
- 26658 JAKOVLIV, G. Méthode rapide de détermination du pouvoir gélifiant des pectines de pommes. Assoc. des Chim. B. 62: 228-229. July/Sept. 1945. 383 As7
- 26659 MUKHERJEE, S., and BHATTACHARYYA, S. The characteristics of shoti [Curcuma zedoaria] starch in relation to other [vegetable] starches. Indian Chem. Soc. J. 8(1/2): 4-8. 1945. 385 In27A
- 26660 WILLIGEN, A. H. A. DE, and KERSTMAN, A. J. Rassenproeven met fabrieks aardappelen in 1943. Netherlands. Dir. van den Landbouw. Verslag. van Landbouwk. Onderzoek. 50, p. 619-653. 1945. 105.2 V61V  
English summary.  
Analysis and composition of varieties of potatoes for processing.
- Consumption and Utilization
- 26661 BARCHILÓN, J. Los residuos de la uva; su importancia industrial. Bolsa de Com., Rosario. Rev. 34(817): 11, 13. Jan. 31, 1946. 287 R71  
Also in Chacra 16(184): 38-39. Feb. 1946. 9 C34
- 26662 FEUSTEL, I. C., and THOMPSON, J. H. Phases of research on utilization of fruit and vegetable wastes. Natl. Farm Chemurg. Council Chemurg. Papers, No. 438, 6 p., processed. Columbus, Ohio, 1946. 381 N213P  
Also in Pacific Northwest Indus. 5: 62-65. Jan. 1946. 280.8 N812
- Distribution, Marketing, and Transportation
- 26663 APPALACHIAN APPLE SERVICE INC. Season report and list of our members, 9, 1944/45, 25 p. Martinsburg, W. Va.? 1945? 280.3939 Ap4A  
Marketing and publicity work.
- 26664 DEMESRAY, H. De la commercialisation en matière plants de pommes de terre. Pomme de Terre Franç. 8(76): 2-5. Dec. 1945. 75.8 P77
- 26665 DOEHLERT, C. Believes blueberry market will not be soon supplied. Cranberries 10(11): 19-20. Mar. 1946. 80 C852
- 26666 GOODMAN, A. A. Now is the time to advertise Red McClures [potatoes]. San Luis Val. Farmer and Stockman 1(4): 19. Jan. 1946. 6 Sa52
- 26667 HEID, J. L. How many oranges and grapefruit are too many? Tex. Farming and Citric. 22(9): 9. Mar. 1946. 80 T31
- 26668 HOGG, A. G. Commercial mushrooms: picking and marketing. Smallholder 74(1879): 6. Mar. 22, 1946. 10 Sml



26668 HOW CAN the boxed apple industry of the State of Washington get its share of the consumers dollar in competition with citrus, bananas, and other fruits? Wash. State Hort. Assoc. Proc. (1945) 41: 108-113, 115-123, 125-126. 1946. 81 W273  
Discussion by H. G. Fletcher, E. Smith, R. Sundquist, W. Kohagen, N. Bakke, and J. M. Eloxam.

26670 JONES, T. H. Strawberries--from patch to consumer without loss. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(4): 24-25. Apr. 1946. 6 P945K

26671 MACDONALD, D. W. Inside the terminal; fruits and vegetables pass through many hands between arriving in Montreal and appearing on the shelves of retail stores. Family Herald and Weekly Star 77(5): 5. Jan. 30, 1946. 7 F21

26672 NOVELO F., E. Cosecha y venta de los productos de las huertas. Fomento [monthly] 2(24): 6. Oct. 1945. 8 F734

Citrus harvesting and sale.

26673 SMITH, J. A. Spuds and men. Pa. Farmer 134: 210-211. Mar. 23, 1946. 6 P383

26674 SYMPOSIUM on merchandising and packaging of fruit. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 119-139. 82 N85

Speeches and discussion by T. H. O'Neill, W. Cluney, R. J. Leslie, and W. C. Hopper.

26675 TOUSLEY, R. D. The development of an advertising program especially adapted to the needs of Washington boxed apples. Wash. State Hort. Assoc. Proc. (1945) 41: 133-136. 1946. 81 W273

26676 TUTTS, W. P. Improved relations needed in fruit canning. Food Packer 27(5): 37-38. Apr. 1946. 286.83 C165

Improvements in purchasing methods by canneries.

26677 WILCOX, F. R. A review of citrus marketing and outlook. Calif. Citrog. 31: 202, 222-224. Apr. 1946. 80 C125

26678 WINGO, T. R. Cooperative marketing of strawberries in Gibson County of Tennessee. Mid-South Cotton News 23(15): 6. Feb. 1946. 72.8 C8295

26679 WOOTEN, J. A. Why growers should prepare for airfreight. Market Growers J. 75(4): 21, 45. Apr. 1946. 6 M34

#### Grading, Inspection, Standardization, and Quality

26680 BALLOU, W. V. Colorado's potato branding. San Luis Val. Farmer and Stockman 1(4): 2. Jan. 1946. 6 Sa52

26681 COBB, J. S. A classificação das batatas segundo suas qualidades culinárias. Fazenda 41(1): 54. Jan. 1946. 6 H11P

26682 FROST, E. L. Our apple grades. East. Fruit Grower 8(11): 6, 31, 32. Jan. 1946. 80 Ea73

26683 LA INTERVENCIÓN en los mercados de frutas y hortalizas. Argentina. Sec. de Indus. y Com. B. 1 (11/12): 424-427. Aug./Sept. 1945. 280.9 Ar3

Address by the Secretary of Industry and Commerce installing J. A. Bracamonte as director of the market, and the latter's reply.

#### Packing and Packaging

26684 BENZ, R. G. Northwest presents round table discussion of consumer packages for apples. East. Fruit Grower 9(1): 16-17, 20. Mar. 1946. 80 Ea73

26685 MAXIM, E. Modern packaging for the fruiterer. 1. Transparent film. Fruit, Flower & Veg. Trades' J. 89: 19. Jan. 12, 1946. 80 F946

26686 MERRILL, T. A. New container points way to marketing a ripper peach. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 136-139. 1946. 81 M58

#### Prices, Price Control, and Rationing

26687 CRESCIO, L. J. Facts about potato support prices. San Luis Val. Farmer and Stockman 1(3): 4. Dec. 1945. 6 Sa52

26688 CRESCIO, L. J. The potato support price program. San Luis Val. Farmer and Stockman 1(4): 15. Jan. 1946. 6 Sa52

26689 NEGRE, M. Que valent les plants de pommes de terre produits dans l'Aveyron? Pomme de Terre Franç. 8(76): 6-9. Dec. 1945. 75.8 P77

#### Processing and Storage

26690 ATKINSON, A. L. Producing a yam what am; story and pictures. Cotton Belt News 2(1): 4-5. Mar. 1946. 289.29 Sa2

Dehydrated sweet potatoes.

26691 BERTONI, M. S. Conservación de la rama de mandioca. Paraguay. Min. de Agr. Cartilla Agropecuaria No. 81/83, p. 31-33. July/Sept. 1945. 9.7 Ec72

26692 BRASHER, E. P., and others. The preservation of freshness in vegetables and fruits from harvest to consumption. Fruit Prod. J. and Amer. Food Mfr. 25: 168-170. Feb. 1946. 389.8 F94

G. M. Gilligan, C. W. Woodmansee, and E. M. Rahn, joint authors.

Storage.

26693 CARLSEN, C. Desiccated coconut meat: Tropics supply delicacy. Foreign Com. Weekly 22(12): 8-9, 41. Mar. 23, 1946. 157.54 F763

26694 CARLTON, R. T., and CLOUD, H. R. Jugo de naranja en polvo--sus posibilidades. Hacienda 41(1): 84, 86. Jan. 1946. 6 H11

26695 CROCE, F. M. Indicaciones para la desecación de higos al sol. Agrario 10(372): 10. Dec. 31 1945. 9.3 Ag85

26696 CRUESS, W. V., FRIAR, H. F., and SHEARING, T. Fruit granules. Canner 102(16): 12. Apr. 6, 1946. 286.83 C16

Dried fruit juices.

26697 CRUESS, W. V. Jellied fruit candies. Fruit Prod. J. and Amer. Food Mfr. 25: 166-167. Feb. 1946. 389.8 F94

Includes preparation and preservation of purées and juices.

26698 CRUESS, W. V. Two new olives from Egypt. Spice Mill 69(4): 55. Apr. 1946. 389.8 Sp4

Pickling and varieties used.

26699 DIEHL, H. C. Technological supervision; its need in the selection, preparation and freezing of fruits and vegetables. Frozen Food Indus. 1(2): 16-17, 43-48. Dec. 1945. 389.8 F93

26700 FERGUSON, B. R. Potato growers warned to watch top of bins for excessive moisture condition. San Luis Val. Farmer and Stockman 1(3): 15. Dec. 1945. 6 Sa52

26701 FERREIRA FILHO, J. C. Conservação das batatas para sementes. Chacaras e Quintais 71: 589-590. May 15, 1945. 9.2 C34

26702 FOOTE, J. M. Top-ice 1946 cantaloupes. West. Grower and Shipper 17(4): 28, 29. Mar. 1946. 280.38 W52

Shipping under ice.

26703 G., R. L'école suisse pour la mise en valeur des fruits à Wädenswil. Rev. Romande d'Agr. et Vitic. et d'Arbor., No. 11, p. 5-6. Nov. 1945. 17 J82A

Studying fruit processing.

26704 HIRSCH, L. A. Future of the pickle industry. Food Packer 27(5): 39-40. Apr. 1946. 286.83 C165

26705 LEE, F. A., GORTNER, W. A., and WHITCOMBE, J. Effect of freezing rate on vegetables; appearance, palatability, and vitamin content of peas and snap beans. Indus. and Engin. Chem., Indus. Ed. 38: 341-346. Mar. 19, 1946. 381 J825



- 26706 LEPIGRE, A. L. Essais d'égermage des pommes de terre par les vapeurs d'oxyde d'éthylène. Algeria. Inst. Agr. Ann. 2: 35-36. Nov. 1945. 108 AL35
- 26707 LESLIE, R. J. Cold storage report. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 43. 82 N85  
Cold storage for apples.
- 26708 LESLIE, R. J. Fruit products report. Nova Scotia Fruit Growers' Assoc. Ann. Rpt. (1945) 82: 43. 82 N85  
Apples for processing.
- 26709 MARSHALL, R. E., and others. Post-war utilization of apples for processing. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 86-95. 1946. 81 M58  
P. Pettit, S. Cahodus, G. L. Rollins, and C. Bittner, joint authors.
- 26710 MATCHETT, J. R. Progress in spray drying of fruits and vegetables. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 439, 2 p., processed. Columbus, Ohio, 1946. 381 N213F  
Also in Pacific Northwest Indus. 5(5): 78-79. Feb. 1946. 280.8 N812
- 26711 MAXSON. Frozen french fried potatoes. Yankee Food Merchant 6(3): 16. Mar. 1946. 286.83 Y1
- 26712 MERRILL, R. C., and WEEKS, M. Kinetics of the deesterification of pectin. J. Phys. Chem. 50: 75-87. Mar. 1946. 381 J822
- 26713 MOLINA URRUTIA, G. Alcoholes de frutas. Vinos, Viñas y Frutas 41: 424-426. Feb. 1946. 9 Ag89
- 26714 MOLINS, M. A. Nuestra pasa de uva esta conquistando los mercados del mundo. Pampa Argentina 20(221): 14-15. Jan. 1946. 9 P19  
Chiefly on drying methods.
- 26715 MOYER, J. C., and STOTZ, E. Electronic blanching. Frozen Food Indus. 2(2): 25, 36. Feb. 1946. 389.8 F93  
Fruit and vegetables.
- 26716 NICHOLAS, J. E. To freeze tomatoes and tomato juice. Food Freezing 1: 86-87. Jan. 1946. 389.8 F7362
- 26717 PERRY, F. J. Qu'advient-il des tomates après leur livraison à l'usine. Canad. Food Packer 17(2): 37; (3): 35. Feb., Mar. 1946. 286.83 C166
- 26718 PERRY, R. L. Report on Konservfabrik Githorn, at Githorn, nr. Braunschweig. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4318, 10 p., processed. Washington, 1945. 157.8 R29  
Vegetable freezing and dehydration.
- 26719 PERRY, R. L. Report on Solo Feinfrost G. m. b. H., Friedensallee 333, Hamburg-Bahrenfeld. U. S. Dept. Com. Off. Pub. Bd. Rpt. 4354, 9 p., processed. Washington, 1945. 157.8 R29  
On the German frozen fruit and vegetable industry. Includes potato blanching for dehydration and blanching of peas before freezing.
- 26720 PETERSEN, E. Preservation of ascorbic acid in vegetables by hydrogen sulphide during air-drying. Nature [London] 157: 376. Mar. 23, 1946. 472 N21
- 26721 PHILLIPS, W. R. Storage of apples. Canada. Dept. Agr. Farmers' B. 132, 35 p. Ottawa, 1946. 7 C167
- 26722 PIÑERA, H. O. Conservación de limones. Rev. Canad. [Habana] 6(1): 10, 50 Jan. 1946. 3 R3292
- 26723 POWERS, J. J., and ESSELEN, W. B., JR. The use of calcium salts in freezing McIntosh apples. Fruit Prod. J. and Amer. Food Mfr. 25: 200-202, 217. Mar. 1946. 389.8 F94
- 26724 SCHICKERLING, N. Preservation of vegetables. Union So. Africa. Dept. Agr. and Forestry. Inform. Housewives 93, 2 p. Pretoria, 1946. 24 S6821  
Canning and storage.
- 26725 SCHREIBER, W. R. World dried apricot pack in 1945. Calif. Fruit News 113(3011): 4-5. Mar. 23, 1946. 80 C12
- 26726 SCHREIBER, W. R. World dried pear production. Calif. Fruit News 113(3012): 4-5. Mar. 30, 1946. 80 C12
- 26727 SILVEIRA, A. E. DA. Indústria da pera; pera seca - vinho - aguardente. Chacaras e Quintais 71: 587-588. May 15, 1945. 9.2 C34
- 26728 SMOCK, R. M. Lengthening the storage life of apples by means of controlled atmospheres. Mich. State Hort. Soc. Ann. Rpt. (1945) 75: 81-86. 1946. 81 M58
- 26729 STADTMAN, E. R., and others. Storage of dried fruit; gas changes during storage of dried apricots and influence of oxygen on rate of deterioration. Indus. and Engin. Chem., Indus. Ed. 38: 324-329. Mar. 19, 1946. 381 J825  
H. A. Barker, V. Haas, E. M. Mrak, and G. Mackinney, joint authors.
- 26730 TROUT, S. A., and HALL, E. G. Dehydration of apricots, peaches and pears. Fruit World & Market Grower 46(12): 19-20. Dec. 5, 1945. 80 F948
- 26731 WEISHAAR, L. J. Dried apple stomach-aches. Pacific Rural Press 151: 269. Mar. 16, 1946. 6 P112A  
Deterioration before grading.
- 26732 WIEGAND, E. H. The brined cherry industry. West. Canner and Packer 38(3): 60-63. Mar. 1946. 286.83 W522
- 26733 WOODROOF, J. G., and others. Ascorbic acid improved frozen peach pack. Food Freezing 1: 123-125, 148. Feb. 1946. 389.8 F7362  
S. R. Cecil, I. Atkinson, and E. Shelor, joint authors.
- 26734 ZHMAKIN, G. A. Zasolka ogurfov i pomidorov. Sel'so (Ser. Kolkhoz. Zeml.) 14(138/139): 1-3. 1945. 20 S6475  
Pickling cucumbers and tomatoes in the kolkhoz "Novaya zhizn'" in the Moscow Region.

#### Statistics

- 26735 DELSERIES, M. Rapport à la Commission Consultative de la Viticulture [France]. Off. Internatl. du Vin. B. 18(175/178): 12-18. Sept./Dec. 1945. 390.8 B87  
Grape and wine production in France and French colonies.
- 26736 LA MONT, T. E., and BOND, M. C. Vegetables; trend in acreage, yield, production for New York and United States, 1918 to 1945; illustrated with graphs for important vegetables for market and processing. N. Y. Agr. Col. (Cornell) A. E. 547, 23 p., processed. Ithaca, 1946. 281.9 C81

#### GRAIN AND GRAIN PRODUCTS

- 26737 AMARAL, C. J., and CASANOVAS, E. Análisis económico-estadístico de la producción del maíz en el Uruguay. Uruguay. Dir. de Agron. [Cartilla] No. 80, 40 p. Montevideo, 1945. 9.9 Ur84
- 26738 ANDRE, E. D'. El uso de los trigos argentinos en la molinería con referencia a sus aptitudes diferenciales y a su mayor valorización. "Granos" Semilla Selecta 9(7/9): 28-34. July/Sept. 1945. 9 G762
- 26739 ARGENTINA. COMISIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN DE ECONOMÍA Y COMERCIO DE GRANOS. La intervención del automotor en el transporte de granos a puerto. Argentina. Com. Nac. de Granos y Elevadores. B. Inform. 9: 263-265. Dec. 31, 1945. 286.81 Ar3



26740 ARGENTINA. COMISIÓN NACIONAL DE GRANOS Y ELEVADORES. DIRECCIÓN LABORATORIOS. Calidad comercial del trigo exportado durante el primer semestre del año agrícola comercial 1945. Argentina. Comm. Nec. de Granos y Elevadores. B. Inform. 9: 254-262. Dec. 31, 1945. 286.81 Ar3

26741 BETTS, L. M. National transportation conditions. Mid-West Shippers Advisory Board. Proc. (1946) 22: 14-16. Jan. 31, 1946. 289.29 M594 Includes grain.

26742 BODEMULLER, H. R. The hull you say! A narrative of the social progress of the rice hull from field to attic. Rice J. 49(3): 10, 12, 18, 20. Mar. 1946. 59.8 R36

26743 CEREAL studies; alcoholic fermentation and other recent researches; part 1. Food [London] 15 (174): 63-65. Mar. 1946. 389.8 F738

26744 COLLINS, T. T., JR. Zein - its use in coatings; an annotated bibliography. Paper Indus. and Paper World 27: 1694-1697. Feb. 1946. 302.8 P1923

26745 COOK, L. J., and FARQUHAR, A. J. Baking quality of wheat; influence of environment on varieties. So. Austral. Dept. Agr. J. 49: 191-196. (To be cont.) Dec. 1945. 23 So94

26746 DEVOTO, F. E. Como se llegó a la tipificación de los cereales en el país [Argentina]. Chacra 16(184): 35, 85. Feb. 1946. 9 C34

26747 GARDINER, J. G. Canada's wheat problems. Broomhall's (George) Corn Trade News 177: 110-111. Feb. 7, 1946. 286.81 B79B

26748 GLABAU, C. A. Baking bread with the 80 percent extraction southwestern flour. Bakers' Weekly 129(12): 51-52. Mar. 25, 1946. 389.8 B172 Part 4 of a series on the new flour.

26749 GLABAU, C. A. Baking yellow layer cake with the 80% extraction cake flour; part VI of a series on the new flour. Bakers Weekly 130(2): 72-74. Apr. 8, 1946. 389.8 B172

26750 GRAHAM, H. A. Making a profit on popcorn. Prog. Farmer, Tex. Ed. 61(4): 72. Apr. 1946. 6 T311

26751 GUNSON, E. S. What are Flare prices? these are changed days: story of an appeal. Farming News and North Brit. Agr. 98(5): 5. Jan. 25, 1946. 10 N82

Originally a system of fixing grain prices.

26752 HALL, T. R. Sweet corn production and utilization. U. S. Bur. Agr. Econ. Agr. Situation 30(3): 20-23. Mar. 1946. 1 Ec7Ag

26753 HLYNKA, K. Moisture tests on Canada's grain vital link in scientific grading. Canad. Grain J. 1(8): 10-11. Mar. 1946. 59.8 C16

26754 KAPPER, R. E. Possibilities for industrial uses of grain sorghum. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 432, 12 p., processed. Columbus, Ohio, 1946. 381 N213P

26755 KENEALLY, T. The world wheat situation. Rural Bank N. S. Wales. Farm Front 4: 23-25, processed. Feb. 1946. 281.9 RB83

26756 KLIMKO, M. O vosstanovlenii zernovogo khoziaistva Belorussii [On the reconstruction of the grain industry in White Russia]. Sotsialist. Sel'sk. Khoz. 16(9): 37-41. Sept. 1945. 281.8 So73

26757 KUGLER, W. F. La fiscalización oficial en el lanzamiento de nuevas variedades de cereales y granos oleaginosos. Pergamino. Estac. Expt. P., No. 20, p. 7-14. 1945. 102 P41

26758 MCNEELY, M. Expand domestic markets, says Norbury of Arkansas. Rice J. 49(3): 25-26. Mar. 1946. 59.8 R36

26759 MAIA, D. Expurgo e conservação dos cereais destinados a exportação e consumo. Campo [Rio de Janeiro] 17(193): 17-19. Jan. 1946. 9.2 C15

26760 MATHIS, G. W. Impact of grain restrictions on various industries. Mag. Wall St. 78(1): 26-28, 52, 54. Apr. 13, 1946. 286.8 M27

26761 MOORE, M. B. Seed treatment cheap insurance - pays off when germination is low. Minn. Farm and Home Sci. [Minn. Sta.] 3(2): 14. Feb. 20, 1946. 100 M688

Grains.

26762 NUÑEZ, A. La cosecha y conservación del maíz. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 29. Jan. 24, 1946. 9.9 G15B

26763 NUÑEZ, A. Los cultivos de maíz en nuestro medio. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 2: 481, 483. Dec. 27, 1945. 9.9 G15B Includes costs and returns.

26764 OPENTIJ, E. C., and LEE, J. VAN DER. Die bestimmung der quantitativen zusammensetzung von mischungen, welche als komponente mahlprodukte von rogen und weizen enthalten, insbesondere mit hilfe einer nephelometrischen methode. II. Roggen, weizen und kartoffelmehl als komponente. Rec. des Trav. Chim. des Pays-Bas 64: 337-348. Dec. 1945. 385 R24

26765 LA PRODUCCIÓN y comercio arrocero en los Estados Unidos. Inform. Com. Españ. No. 129, sup., p. 35-43. (To be cont.) Oct. 25, 1945. 286.8 In3

26766 TRIPLETT, J. F. Report on the grain situation. Prod.-Consum. 11(7, i.e. 8): 6, 12. Feb. 1946. 280.28 P942

26767 UNIÓN INDUSTRIAL URUGUAYA. CÁMARA DE INDUSTRIA. Las tarifas ferroviarias para el transporte de arroz. Unión Indus. Uruguay. Rev. (Ser. 4) 47: 374-376. Jan. 1946. 280.8 R327

26768 URUGUAY. MINISTERIO DE GANADERÍA Y AGRICULTURA. DIRECCIÓN DE AGRONOMÍA. SECCIÓN ECONOMÍA Y ESTADÍSTICA AGRARIA. Informe final de la cosecha de cereales de invierno y lino, año agrícola 1944/45, 5 p., processed. Montevideo? 1946? 255.7 U621

#### LIVESTOCK AND LIVESTOCK PRODUCTS

26769 ALBERTA UNIVERSITY. FACULTY OF AGRICULTURE. DEPT. OF ANIMAL SCIENCE. Swine production in Alberta. Alberta. U. Facul. Agr. B. 22, rev., 105 p. Edmonton, 1946. 275.29 AL122

Contents: Swine production in Alberta, by R. D. Sinclair, p. 7-69; Curing pork on the farm, p. 69-72; Equipment for swine raising, by J. M. Smith, p. 73-91; Diseases of swine, by P. R. Talbot, p. 92-104.

26770 ANDERSON, R. Farmers intend to get more livestock money. Farm J. 70(4): 23-24. Apr. 1946. 6 F2212

Developments in the livestock industry.

26771 BEHNKE, H. Afsaetningsmuligheder. Andelsbladet 47: 257-264. Feb. 28, 1946. 280.28 An2 Production and export of swine in Denmark.

26772 BELTON, M. J. Serving Oregon's livestock industry; building a program for the Division of Animal Industry. Oreg. Dept. Agr. Agr. B. No. 149, p. 3-5. Mar. 1, 1946. 2 Or3

26773 BLANCO, D. Plática por radio sobre ganadería. Asoc. Gen. de Agr. [Guatemala]. B. No. 48, p. 2. Mar. 2, 1946. 8 As52

The livestock industry.

26774 BOBER, L. A. La ganadería en Costa Rica. Rev. Canad. [Habana] 6(1): 34. Jan. 1946. 8 R3292

26775 BUCHANAN, C. W. History of the Walrond Cattle Ranch Ltd. Canad. Cattlemen 8: 171, 174, 260-262. Mar. 1946. 49 C16

26776 CASEY, G. Rain revives Australian 'dead heart' for cattle raising. Butchers' Advocate 119 (13): 10-11. Mar. 27, 1946. 286.85 B97 Opportunities for cattle-raising.

26777 CONNER, J. The beef cattle set-up in Manitoba. Canad. Cattlemen 8: 169, 172. Mar. 1946. 49 C16

26778 CONTESSE BACHELET, M. Carne, leche y trigo. Agrario 10(371): 45. Nov. 30, 1945. 9.3 Ag85 Policies and inter-relationships in Chile.



- 26779 COOK, D. Mutton and wool; a veteran sheepman speaks his mind about some trends in the business. *Westerner* 9(2): 11, 32-36. Mar. 1946. 49 W522
- 26780 CRICKMAN, C. W., and MCLEAN, F. Feed and livestock during four decades. *U. S. Bur. Agr. Econ. Agr. Situation* 30(3): 9-12. Mar. 1946. 1 Ec7Ag
- 26781 DOWSETT, C. P. The Australian pig industry. *Rural Bank N. S. Wales. Farm Front* 4: 19-23, processed. Feb. 1946. 281.9 R883
- 26782 DUBOIS, W. L. Army sponsors leather research program. *Hide and Leather and Shoes* 11(13): 17-18. Mar. 23, 1945. 303.8 H53
- 26783 FILLEY, H. C. The outlook for meat. *Canner's Farmer* 57(4): 28, 36. Apr. 1946. 6 M693
- 26784 GOODING, T. H. Address on the sheep industry. *Idaho Wool Growers B.* 25(1): 5, 8-9. Jan. 9, 1946. 280.28 Id1
- 26785 GORMAN, J. A. Cattle of France. *Cattleman* 32(10): 48, 50, 59. Mar. 1946. 49 C29
- 26786 GREVE, S., G. El Sur ganadero [Chile] en marcha. *Agrario* 10(371): 22, 42. Nov. 30, 1945. 9.3 Ag85
- 26787 HALL, A. G. Review of the cattle industry--1945. *Indus. and Develpmt. Council Canad. Meat Packers. Let. Canad. Livestock Prod.*, No. 3, p. 2-3. Mar. 1946. 286.85 In2
- 26788 HAMILTON, L. H. Beef cattle production in Quebec. *Canad. Cattlemen* 8: 233-236. Mar. 1946. 49 C16
- 26789 JOHNSON, C. F. "1946." *Internatl. Com. Rabbit J.* 3(28): 11-15. Feb. 1946. 40.28 In8  
Outlook in the rabbit industry.
- 26790 JONES, D. D. United Kingdom production and marketing policy for sheep. *Foreign Agr.* 10: 45-48. Mar. 1946. 1.9 Ec7For
- 26791 KILDEE, H. H. Looking ahead. *Chester White J.* 36(3): 4-5. Mar. 1946. 46.8 W582  
Hog production.
- 26792 KOGAN, A. *Sotsialisticheskoe zhivotnovodstvo na putiakh vosstanovleniia i dal'neishago pod'ema. Sotsialist. Sel'sk. Khoz.* 16(9): 27-36. Sept. 1945. 281.8 So73  
Program for restoration and advancement of livestock industry in the U. S. S. R.
- 26793 MCDONALD, M. H. North Dakota's growing hog industry. *West. Livestock Rptr.* 6(26): 15. Feb. 27, 1946. 286.85 W523
- 26794 MACKAY, B. B. Hair-sheep skins and goat-skins from Brazil. *Foreign Com. Weekly* 22(11): 6, 35. Mar. 16, 1946. 157.54 F763  
Based on consular report by B. B. Mackay.
- 26795 MAY, W. D. An industrial survey of hides and skins in Florida. *Fla. Engin. and Indus. Expt. Sta. B.* 8, 67 p. Gainesville, 1945. 290.9 F66
- 26796 MEEK, M. W. Rabbitskins and the fur trade. *Internatl. Com. Rabbit J.* 3(28): 57-58. (To be cont.) Feb. 1946. 40.28 In8
- 26797 OLIPHANT, J. O. The eastward movement of cattle from the Oregon Country. *Agr. Hist.* 20(1): 19-43. Jan. 1946. 30.98 Ag8  
Cattle industry.
- 26798 PASCOE, J. Canterbury high country: the sheep and sheepmen of the mountains. *New Zeal. Geog.* 1(1): 19-39. Apr. 1945. 331.8 N48
- 26799 PATTERSON, J. The raw material outlook. *Shoe and Leather Rptr.* 241(13): 37-38, 40, 42. Mar. 30, 1946. 303.8 Sh7  
Hides and skins included.
- 26800 PEIRANO, R. P. Porvenir de la cría del conejo en el país [Argentina]. *Res* 14: 18506-18507. Jan. 5, 1946. 286.85 R31
- 26801 ROA ROSAS, M. Como es muestra ganadería. *Asoc. Colomb. de Ganad. B. Canad. No.* 14, p. 6-7; No. 15, p. 5-9; No. 16, p. 34-36. July/Aug.-Nov./Dec. 1945. 43.9 As53
- 26802 SACKVILLE, J. P. Livestock men served world well in 1945; swine producers confident of future market prospects. *Farm and Ranch Rev.* 42(2): 5. Feb. 1946. 7 F223
- 26803 SINCLAIR, R. D. Have beef producers a job to do? *Canad. Cattlemen* 8: 216-219. Mar. 1946. 49 C16
- 26804 TUMMON, W. E. Tummon proposes national meeting. *Rural Co-op.* 10(12): 1, 6. Mar. 12, 1946. 280.28 R88  
Situation in the Ontario swine industry.
- 26805 WATSON, M. A. Prospective leather conditions. *Shoe and Leather Rptr.* 241(13): 31-32, 34. Mar. 30, 1946. 303.8 Sh7
- Distribution, Marketing, and Transportation
- 26806 ARAMENDIA, J. P. 6.º contrato de carnes. *Diario Rural* 5(544): 12. Jan. 5, 1946. 9.9 D54  
Uruguay.
- 26807 BROWN, R. E. My theory of coast to coast advertising without cost. *Internatl. Com. Rabbit J.* 3(28): 33-36. Feb. 1946. 40.28 In8
- 26808 HULL, S. New way to market meat. *Cap-ter's Farmer* 57(4): 11, 66-67. Apr. 1946. 6 M693  
Sale of pre-cut, pre-wrapped meat.
- 26809 GORMAN, T. C. The central livestock market. *Oreg. Dept. Agr. Agr. B. No.* 149, p. 7-8. Mar. 1, 1946. 2 Or3
- 26810 HOPKINS, J. A. Colombian cattle transportation. *Agr. in the Americas* 6: 63-66, 75, 76. Apr. 1946. 1 F752A
- 26811 PARK, R. C. Starting right with Milking Shorthorns. *West. Dairy J.* 2(6): 31. Apr. 1, 1946. 44.8 W524  
Purchasing.
- 26812 PROULX, J. R. Le Royaume-Uni comme débouché pour le bacon. *Terre de Chez Nous* 18(18, 1. e. 17): 17. Jan. 30, 1946. 7 T27
- 26813 SNOW, C. F. Buying rabbits. *Mod. Poultry Keeping* 53: 266. Oct. 10, 1945. 47.8 Eg3
- Grading, Inspection, Standardization, and Quality
- 26814 HARRIES, H. W. Canadian farmers "sold" on carcass grading. *Iowa Farm Econ.* 12(3): 6-7. Mar. 1946. 275.28 Iq92
- 26815 SHEEHY, E. J. The animal on the farm. *Agr. Ireland* 3: 173-175. Mar. 1946. 10.5 Ag8  
No. 34 of the series. Deals with factors affecting the quality of the hog carcass.
- 26816 VILLEGAS SUÁREZ, J. Cueros defectuosos. *Uruguay. Min. de Ganad. y Agr. Bol. Inform.* 2: 475. (Concl.) Dec. 20, 1945. 9.9 G15B  
Defects in hides and skins.
- Processing and Storage
- 26817 BURNS, V. H. Kansas meat man gives tips on making profitable cuts. *Meat Merchandising* 22(2): 46-49, 81. Feb. 1946. 286.85 M462
- 26818 FABIAN, J. R. Frozen meats; an analysis of future problems in this vital market. *Frozen Food Indus.* 1(2): 12-13, 53-55. Dec. 1945. 389.8 F93
- 26819 FISKE, D. L. Army's frozen meat program points way to peacetime use. *Food Freezing* 1: 88-91, 109. Jan. 1946. 389.8 F7362
- 26820 MCLAUGHLIN, G. D., and WILSON, H. R. Laboratory evaluation of bating materials. *Amer. Leather Chem. Assoc. J.* 41: 155-157. Apr. 1946. 303.9 Am32



26821 MASTERMAN, N. K., and WINSOR, K. The moisture losses in stored frozen meats vary with packaging material, wrapping method. Food Freezing 1: 140-143. Feb. 1946. 389.8 F7362

26822 RABASA, J. Salchichón de Vich. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 90-92. Sept./Oct. 1945. 49 B86

26823 THOMSEN, T. C. Emancipation of gelatin. Crown 35(4): 9-11, 25. Apr. 1946. 389.8 C88  
Manufacture from collagen.

26824 WATSON, M. A. The history and economics of cattlehide leather tanning. Hide and Leather and Shoes 111(13): 13-14, 16. (Cont.) Mar. 23, 1946. 303.8 H53

Also in Shoe & Leather Rptr. 241(12): 2-36; (13): 44, 46, 48, 50, 52-56, 58, 60, 62, 64. (Cont.) Mar. 23, 30, 1946. 303.8 Sh7

#### Statistics

26825 CHICAGO. UNION STOCK YARD AND TRANSIT COMPANY. Eightieth annual live stock report, 1945 and summary for years 1865 to 1945, 18 p. Chicago, 1946? 49.9 C43

26826 FRANCE. MINISTÈRE DE L'AGRICULTURE. Resultats du recensement des animaux en automne 1944. France. Min. de l'Agr. B. de Statist. Agr., v. 4, No. 1, 147 p. Paris, 1945. 260 Se6

26827 ÍNDICES alarmantes da pecuária brasileira. Observador Econ. e Financ. 10(119): 52-61. Dec. 1945. 280.8 Ob72

Problems of the Brazilian livestock industry, with statistics.

#### OILS AND OILSEEDS

26828 AJMANI, G. M. Use of cashew shell oil in paints and stoving varnishes; part II. Indian Chem. Soc. J. 8(1/2): 57-58. 1945. 385 In27A

26829 BEDOUKIAN, P. Z. Progress in essential oils and toilettries. Amer. Perfumer and Essential Oil Rev. 48(3): 39-40. (To be cont.) Mar. 1946. 308.8 Am3

26830 BROWNLEE, O. H., and READ, H. Midwest farmers want to know the future for soybeans. Country Gent. 116(4): 18, 54, 56-57. Apr. 1946. 6 C833

26831 BROWNLEE, O. H. Soybeans --- where do we go from here? Iowa Farm Econ. 12(3): 8-9. Mar. 1946. 275.28 Io92

26832 BUTLER, H. G. Soy albumen as a whipping agent. Soybean Digest 6(5): 14-15. Mar. 1946. 60.38 So9

26833 CANADA. BUREAU OF STATISTICS. CENSUS OF INDUSTRY. GENERAL MANUFACTURES BRANCH. Report on the vegetable oil industry in Canada, 1944, 7 p., processed. Ottawa, 1945. 253 C332I

26834 CLARK, P. E., WALDELAND, C. R., and CROSS, R. P. Specific heats of vegetable oils from 0° to 280° C. Indus. and Engin. Chem., Indus. Ed. 38: 350-353. Mar. 19, 1946. 381 J825

26835 CLAY, H. J. Over-all demand for peanut products this season has been generally satisfied. Peanut J. and Nut World 25(6): 23-24. Apr. 6, 1946. 77.8 P313

26836 DESHUSSES, J. Dosage des huiles essentielles dans les écorces de citron et d'orange ainsi que dans les zestes de citron rapés du commerce. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 36: 316-319. 1945. 389.9 Sw6

26837 DEVOTO, F. E. En la Argentina se está estudiando el cultivo intenso del frijol soja. Rev. Ganad [Habana] 6(1): 36-37, 42. Jan. 1946. 8 R3292

26838 THE ECONOMICS of soy. Borden's Econ. Digest 2(3): 1-8. Feb. 1946. 389.8 B642

The soybean industry.

26839 EISENSCHIML, G. Changes in wood oil and tung oil on prolonged storage. Paint, Oil, and Chem. Rev. 109(7): 16, 18. Apr. 1946. 306.8 P16

26840 FERNÁNDEZ, J. Casi la totalidad del aceite de olivas es producida por Mendoza. Chacra 16 (183): 76-78. Jan. 1946. 9 C34

26841 GRUNWALD, K. Palestine's olive industry. III. Palestine Tribune 2(2): 5-8. Jan. 10, 1946. 280.8 P172

26842 GUNSTONE, F. D., and HILDITCH, T. P. The use of low-temperature crystallisation in the determination of component acids of liquid fats. II. Fats which contain linolenic as well as linoleic and oleic acids. Soc. Chem. Indus. J. Trans. and Commun. 65(1): 8-13. Jan. 1946. 382 K31  
Vegetable oils.

26843 HARDY, E. Palestinian citrus oil production, economics and quality. Perfumery and Essential Oil Rec. 37(2): 31-32, 57. Feb. 1946. 308.8 P41

26844 KEATING, D. High speed roasting. Peanut J. and Nut World 25(6): 34, 36. Apr. 6, 1946. 77.8 P313

26845 LUNDBORG, M. Über den quantitativen nachweis von tocopherol in natürlichen fetten und ölen. Arkiv för Kemi, Min. och Geol. 21A(2): 1-13. 1945. 385 Sv2

26846 MARSICO, D. F. La industria de los aceites vegetales en el país. Soc. Rural Argentina. An. 79: 938-940. Dec. 1945. 9 Sol

26847 OSPITALETTE, A. E. La Argentina como productora y exportadora de lino para aceites. "Granos" Semilla Selecta 9(7/9): 40-43. July/Sept. 1945. 9 G762

26848 THE PERFUMERY & Essential Oil Record year book 1946, 86 p. London, 1946? 308.9 P41  
Includes: Constants of Essential Oils and Perfumery Chemicals, by C. T. Bennett, p. 64-65.

26849 SALETTE, S. A. Vegetable oils. J. Sci. and Indus. Res. 4: 399-402. Jan. 1946. Ref. 475 J82

26850 SANDERS, J. H. The flavor quality of oil from damaged soybeans. Soybean Digest 6(5): 12-13. Mar. 1946. 60.38 So9

26851 SCHRICKER, J. A. Rapid method for the preparation of samples and evaluation of oil quality in small samples of flaxseed. Oil & Soap 23: 91-92. Mar. 1946. 307.8 J82

26852 SINGH, B. K., and KUMAR, A. Chemical examination of Solanum nigrum Linn. Part I. The component fatty acids and the probable glyceride structure of the fatty oil from seeds. Indian Acad. Sci. Proc. Sect. A 22: 310-319. Nov. 1945. Ref. 513 In25

26853 SMITH, A. K., JOHNSON, V. L., and BECKEL, A. C. Linseed proteins; alkali dispersion and acid precipitation. Indus. and Engin. Chem., Indus. Ed. 38: 353-356. Mar. 19, 1946. 381 J825

26854 TERRY, D. E., and WHEELER, D. H. Alkali-isomerized linoleic acid. Oil & Soap 23: 88-90. Mar. 1946. 307.8 J82

26855 TOŠIĆ, J., and MOORE, T. The chemical estimation of vitamin E in vegetable oils. Biochem. J. 39: 498-507. 1945. Ref. 382 B52

#### POULTRY AND POULTRY PRODUCTS

26856 B., L. L'élevage au Maroc des palmipèdes destinés à l'exportation. Petit Casablancais 31 (1252): 6. Mar. 2, 1946. 280.8 P44  
Ducks and geese.

26857 BASTOS, H. M. Como venci na avicultura industrial e seus problemas atuais (1). Chacaras e Quintais 73(1): 54-56. Jan. 15, 1946. 9.2 C34  
Poultry industry in Brazil.



- 26858 BENNION, N. L. Oregon's poultry and turkey industries. *Eggssaminer* 22(4, sect. 2): 31-32. Dec. 1945. 286.85 Eg32
- 26859 BENNION, N. L. Postwar poultry production. *Washcoegg* 23(10): 39, 46, 49. Mar. 1946. 47.8 W27
- 26860 CHRISTIE, A. A unified poultry program. *New England Homestead* 119(6): 26-27. Mar. 23, 1946. 6 N442
- 26861 COOK, J. E. Livestock men look to turkeys as paying crop. *West. Livestock Rptr.* 6(26): 12. Feb. 27, 1946. 286.85 W523
- 26862 CRAM, J. S. Operating the egg factory. *Family Herald and Weekly Star* 77(3): 10. Jan. 16, 1946. 7 F21
- 26863 CRAM, J. S. You and your industry. *Family Herald and Weekly Star* 77(3): 5-6. Jan. 16, 1946. 7 F21
- Canadian poultry industry.
- 26864 CRAY, R. E. Would you like to sell on a graded basis? *Poultry Tribune* 52(1): 16, 37-40. Jan. 1946. 47.8 P8642
- Eggs and poultry.
- 26865 DAVIS, J. A. FENE [Poultry and Egg National Board] must have solid industry support in 1946. *Smith's Chickagrams* 15(2): 2. Feb. 1946. 47.8 Sm6
- 26866 DUTTON, H. J., and EDWARDS, B. G. Changes in color of dehydrated eggs during storage. *Indus. and Engin. Chem., Indus. Ed.* 38: 347-350. Mar. 19, 1946. 381 J825
- 26867 HALL, S. B. County agent S. B. Hall reminisces. *Eggssaminer* 22(4, sect. 2): 9. Dec. 1945. 286.85 Eg32
- On the Pacific Cooperative Poultry Producers.
- 26868 HALL, W. H. Volume of business [of Pacific Cooperative Poultry Producers]. *Eggssaminer* 22(4, sect. 2): 29. Dec. 1945. 286.85 Eg32
- 26869 HARRIMAN, E. L. The Eggssaminer becomes "of age"; published continuously for 21 years. *Eggssaminer* 22(4, sect. 2): 20-21. Dec. 1945. 286.85 Eg32
- 26870 HENDERSON, E. W. Percentage of edible meat in relation to meat type score of chickens. *Mich. Agr. Expt. Sta. Q. B.* 28: 176-180. Feb. 1946. 100 M58S
- 26871 HUTTAR, J. Egg prices are low. *G. L. F. Week. Serv. Sched.* 10(32): 1. Feb. 11, 1946. 280.28 G113W
- 26872 JEFFREY, F. P. De cómo pueden obtenerse huevos de calidad suprema. *Du Pont de Nemours, E. I., & Co. Dept. de Relac. Ext. B. del Agr.* 3(2): 10-14. Mar./Apr. 1946. 6 D92B
- 26873 KEENEY, G. C. Results of cooperation as seen by the manager. *Eggssaminer* 22(4, sect. 2): 3-4. Dec. 1945. 286.85 Eg32
- Growth of the Pacific Cooperative Poultry Producers.
- 26874 MANNING, MRS. F. Primer for poultrymen. *South. Agr.* 76(4): 54. Apr. 1946. 6 So83
- Going into the poultry raising business.
- 26875 O'NEIL, R. In the future it will take imagination to get a premium for quality products. *Poultry Tribune* 52(1): 11, 53-55. Jan. 1946. 47.8 P8642
- 26876 OUT WITH the egg crocks; time to start preserving. *By Domesticus. Mod. Poultry Keeping* 54: 25C. Mar. 27, 1946. 47.8 Eg3
- 26877 PETERSON, E. L. State Agricultural Director Peterson surveys Oregon's egg and feed laws. *Eggssaminer* 22(4, sect. 2): 34. Dec. 1945. 286.85 Eg32
- 26878 POULTRY AND EGG NATIONAL BOARD. Poultry and egg outlook for 1946; industry reports presented. *Natl. Assoc. Food Chains. Agr. B.* 13(3): 1-3. Jan. 19, 1946. 286.29 N21
- 26879 RANDALL, W. Ark farm notes. *Rural New-Yorker* 105: 307. Apr. 6, 1946. 6 R88
- Prospects for the poultry industry.
- 26880 RIGNAULT, P. L'aviculture française s'organise. *France Agr.* 1(5): 5. July 1945. 14 F8497
- 26881 RISHER, F. W. The Florida poultry industry. *For Sale, Want and Exch. B.* 5(9): 1. Feb. 1, 1946. 280.38 F74
- 26882 ROHE, H. R. The egg pool and how it operates. *Eggssaminer* 22(4, sect. 2): 28. Dec. 1945. 286.85 Eg32
- 26883 RUBEY, S. Early coop days [of the Pacific Cooperative Poultry Producers]. *Eggssaminer* 22(4, sect. 2): 7. Dec. 1945. 286.85 Eg32
- 26884 SCHOENFELD, W. A. Service to poultry industry is key to cooperative's success. *Eggssaminer* 22(4, sect. 2): 14. Dec. 1945. 286.85 Eg32
- Pacific Cooperative Poultry Producers.
- 26885 SIMONPIETRI, R. H. Aves y huevos; producción, venta, clasificación, inspección y comercialización. *Chacra* 16(183): 48-49. Jan. 1946. 9 C34
- 26886 STREET-PORTER, S. Seize the opportunity; the poultry industry must expand. *Farmer & Stock-Breeder* 60: 88. Jan. 8, 1946. 10 F228
- 26887 THOMPSON, F. E. Amended WPO 9 seeks poultry population cut and adjusted protein supply. *Grain and Feed Rev.* 35(6): 20-21, 55. Feb. 1946. 280.28 G78
- 26888 TOWNSLEY, T. S. Various factors affecting chick demand. *Smith's Chickagrams* 15(2): 1, 2, 3. Feb. 1946. 47.8 Sm6
- 26889 WARD, G. H. The egg and poultry situation. *Va. Farm Econ. No.* 83, p. 990. Feb. 1946. 275.29 V813
- 26890 WHITLOW, S. Texas poultry industry broadens. *Farmer-Stockman* 59: 105. Feb. 1946. 6 Ok45
- 26891 WOODROOF, J. G. Georgia broilers, a \$45,000,000 a year industry. *Food Freezing* 1: 180-181. Mar. 1946. 389.8 F7362
- Poultry freezing industry.
- 26892 ZICH, G. E. Conserving egg quality from producer to consumer. *Poultry Comment* 3(1): 2, 3. Feb. 1946. 47.8 D92

## RUBBER AND RUBBER SUBSTITUTES

- 26893 CRYPTOSTEGIA grandiflora R.B.R., a war time source of vegetable rubber. III-IV. *Indian Chem. Soc. J.* 8(1/2): 18-26. 1945. 385 In27A
- Part III. Fermentation studies, by R. H. Siddiqui and W. V. B. S. Rao. Part IV. Mechanical extraction, by R. H. Siddiqui, S. A. Warsi, and V. V. K. Sastry.
- 26894 GAMMANS, D. The future of rubber; political and economic aspects of the price question. *India Rubber J.* 110: 363-365. Mar. 23, 1946. 305.8 In21
- 26895 HAUSER, E. A., and LE BEAU, D. S. Microscopic studies of lyogels. *Indus. and Engin. Chem., Indus. Ed.* 38: 335-338. Mar. 19, 1946. 381 J825
- Microphotography of rubber samples.
- 26896 HOLT, E. G. 1946 outlook for natural rubber. *Dom. Com.* 34(4): 6, 8. Apr. 1946. 157.54 D713
- 26897 KNORR, K. E. World rubber problems. *Harvard Business Rev.* 24: 394-404. Spring 1946. 280.8 H262
- 26898 SHEPPARD, N., and SUTHERLAND, G. B. B. M. Some infra-red studies on the vulcanisation of rubber. *Faraday Soc. Trans.* 41: 261-271. Apr./May 1945. 382 F22
- Discussion, p. 271-279.
- 26899 SIDDQUI, R. H., and WARSI, S. A. A note on rubber from *Lobelia excelsa* and *Chonemorpha macrophylla*. *Indian Chem. Soc. J.* 8(1/2): 63-64. 1945. 385 In27A



26900 WHITTENBERGER, R. T., and BRICE, B. A. Rapid estimation of rubber in guayule latex dispersions. *Indus. and Engin. Chem., Analyt. Ed.* 18: 209. 210. Mar. 29, 1946. 381 J825A

26901 ZVORYKIN, A. Beginning of Russia's synthetic rubber. *India Rubber J.* 110(2): 3. Jan. 12, 1946. 305.8 In21

## SEEDS

26902 FORTENBERRY, B. W. We reap what we sow; the value of certified seed. *Ky. Farmer's Home J.* 82(2): 4-5. Feb. 1946. 6 F2237

26903 GIORDANO, H. J. Como se obtiene la semilla fiscalizada de cereales y oleaginosas. *Aberdeen Angus [Buenos Aires]*, No. 29, p. 94-96. Summer 1946. 43.8 Ab33

26904 HAAG, H. M. The M. F. A.'s [Missouri Farmers Association] new seed program. *Mo. Farmer* 38(3): 4. Mar. 15, 1946. 6 M696

26905 MICHIGAN. DEPT. OF AGRICULTURE. Michigan seed bulletin, 1945, 16 p. Lansing. 64.9 M58

26906 OHIO SEED IMPROVEMENT ASSOCIATION. Seed sources of Ohio certified, for 1946 plantings, 68 p. Columbus, 1945. 225 Oh32S

Lists of seed dealers.

26907 SELLSCHOP, J. Cleaning & grading of seed; equipment for treatment against disease. *Farmer [Pietermaritzburg]* 35(1): 1, 16. Jan. 4, 1946. 24 F227

26908 SELLSCHOP, J. For the protection of the seed buyer; testing station facilities at Potchefstroom. *Farmer [Pietermaritzburg]* 35(1): 7. Jan. 4, 1946. 24 F227

26909 STRANGE, K. What's behind the seed package. *Family Herald and Weekly Star* 77(6): 6. Feb. 6, 1946. 7 F21

Seed production methods.

26910 TUMMIN-KATTI, M. C., ALIMCHANDANI, R. L., and CHANNAPAGOWDER, B. B. Chemical examination of the seeds of *Jatropha curcas*. *Lin. Bombay U. J.*, Sect. A, *Phys. Sci. (n. s.)* 14(3): 34-36. Nov. 1945. 513 B633

26911 WALKER, L. S., and LUTMAN, A. S. The inspection of agricultural seed for 1945. *Vt. U. Relat. Serv. Div. Rpt.* 2, 12 p. Burlington, 1945. 276 V59Rep

## SUGAR AND SIRUPS

26912 AGUILAR URANGA, M. El transporte de la caña de azúcar y sus productos en México y en Cuba. *Rev. de Econ.* 9(1): 15-18. Jan. 15, 1946. 280.8 R3293

26913 ALVAREZ FUENTES, G. Coordinación y cooperación en la industria azucarera [Cuba]. *Tierra Libre* 10(2): 7. Feb. 1946. 8 T443

26914 ARANGO, R. La emoción del momento azucarero [Cuba]. *Tierra Libre* 10(2): 4. Feb. 1946. 8 T443

26915 BAQUERO, G. Sobre la confiscación del diferencial azucarero [Cuba]. *Tierra Libre* 10(2): 8-9. Feb. 1946. 8 T443

26916 BELVAL, H. Betteraves gelées; dosage du saccharose et établissement. *Assoc. des Chim. B.* 62: 185-189. July/Sept. 1945. 383 As7

26917 BERVILLE, G. La crise du sucre. *France Agr.* 1(5): 1, 3. July 1945. 14 F8497

26918 COLLEY, J. Canadian sugar beets. *Agr. and Indus. Prog. Canada* 28: 34-35. Mar. 1946. 253 Ag82

The industry.

26919 COULTER, J. L. Planning for the postwar era. Where do the Philippine Islands fit into the sugar picture? *Sugar J.* 8(10): 2-4, 14. Mar. 1946. 65.8 Su391

26920 CZARNIKOW, C. The world sugar position. *So. African Sugar J.* 30: 63, 65, 67, 69. Feb. 1946. 65.8 So8

26921 FUCHS, C. Sugar quota raised to 60%; outlook brighter. *Ice Cream Field* 47(3): 42. Mar. 1946. 389.8 Ic23

26922 GOTT, P. P. Corn syrup shortage, 60% sugar quota - are alarming factors. *Confectioners J.* 72(855): 10. Apr. 1946. 389.8 C76

26923 GREAVES, J. E. What's a sugar beet worth? *West. Farm Life* 48(6): 3, 17. Mar. 15, 1946. 6 R153

26924 GUERRA, R. Observaciones azucareras [Cuba]. *Labor* 4(100): 2. Jan. 1946. 8 L11

26925 H., L. Quelques produits auxiliaires employés dans l'industrie sucrière. *Assoc. des Chim. B.* 62: 193-198. July/Sept. 1945. 383 As7

26926 HADDON, E. Chemical control notes. *Rev. Agr. de l'île Maurice* 24: 314-316. Nov./Dec. 1945. 24 M44

Sugar manufacture and refining.

26927 KELLER, A. G. Milling tests of C. P. 36-105. *Sugar B.* 24: 97-98. Apr. 1, 1946. 65.9 Am32

26928 L., H. M. The sugar cane in Fiji. *Internat. Sugar J.* 48: 63-66. Mar. 1946. 65.8 In8

26929 L., H. M. Sugar in the British West Indies. *Internat. Sugar J.* 48: 60-62. Mar. 1946. 65.8 In8

26930 LAMBORN, O. H. United States sugar supplies; a survey of world sources. *So. African Sugar J.* 30: 15-16. Jan. 1946. 65.8 So8

26931 LESPÉRANCE, R. Ferons-nous davantage confiance à la betterave à sucre? *Terre de Chez Nous* 18(22): 8. Feb. 27, 1946. 7 T27

Economic aspects of production in Quebec.

26932 MCINTYRE, A. C. Woodland ambrosia--maple syrup. *Forest Leaves* 36: 3, 13-14. Jan./Feb. 1946. 99.8 F763

26933 MARTHAIRE, M. L'alcool de betteraves hydraté, carburant économique. *Assoc. des Chim. B.* 62: 204-214. July/Sept. 1945. 383 As7

26934 NELSON, E. The growth of the refined sugar industry in Mexico. *Southwest. Social Sci. Q.* 26: 273-288. Mar. 1946. 280.8 So82

26935 ROY, J. B. Où va notre sirop d'érable? *B. des Agr.* 42(3): 12-15. Mar. 1946. 7 B872

The Quebec industry.

26936 SALINAS, J. G. Fabricación de azúcar blanco en Cuba. *Asoc. de Téc. Azucareros de Cuba. B. Ofic.* 4: 396-408. (Cont.) Dec. 1945. 65 As5B

26937 SEN, D. L., and AHMAD, N. Cotton bags for storing sugar. *Indian Farming* 6: 516-518. Nov. 1945. 22 In283

26938 TRESSLER, D. K. The use of enzyme converted corn syrup in making jams, jellies preserves, marmalades and fruit butter. *Fruit Prod. J. and Amer. Food Mfr.* 25: 165, 185. Feb. 1946. 389.8 F94

26939 VARELA MARTINEZ, R. La caña de azúcar y la situación para su cultivo en Colombia. *Tierra Libre* 9(12): 16-17. Dec. 1945. 8 T443

26940 WALKER, T. H. Sugar men want quota increased. *Mountain States Beet Grower* 8(4): 6. Mar. 1946. 280.28 M86

The sugar beet industry.

26941 YANIZ, E. Justicia para Cuba. *Labor* 4(100): 8. Jan. 1946. 8 L11

Cuban sugar problem.

26942 YARBROUGH, M. V. Milling tests Young's Industries, Inc. December 5, 1945. *Sugar B.* 24: 99-100. Apr. 1, 1946. 65.9 Am32

## TOBACCO

26943 ANDERSON, P. J. Tobacco outlook for 1946. New England Homestead 119(4): 14. Feb. 23, 1946. 6 N442

26944 BLAIKSTAD, C. Still over eight million mark at Valdosta as season sales again hit the high figure. Tobacco [New York] 122(13): 101. Mar. 28, 1946. 286.89 T552

26945 BOOTH, J. T. Bright sales top reached at Winston-Salem; market maintains production supremacy. Tobacco [New York] 122(13): 39, 41, 43, 103. Mar. 28, 1946. 286.89 T552

26946 CARD, D. G. 1946 Kentucky tobacco outlook. Ky. Farmer's Home J. 82(2): 18. Feb. 1946. 6 F2237

26947 DENNIS, H. A. New prosperity in Middle Belt follows war as Henderson joins bright market parade. Tobacco [New York] 122(13): 97, 111, 119. Mar. 28, 1946. 286.89 T552

26948 DIXON, W. T. Durham still leaf and manufacturing center of broad middle belt district. Tobacco [New York] 122(13): 45, 47, 49. Mar. 28, 1946. 286.89 T552

26949 EASLEY, C. G. 'Finest and steadiest market in Carolinas' is title at Farmville, North Carolina. Tobacco [New York] 122(13): 99, 117. Mar. 28, 1946. 286.89 T552

26950 FINLAYSON, J. K. Notes on tobacco statistics [Canada]. Lighter 16(1): 12-13. processed. Feb. 1946. 286.89 C16

26951 FULTON, J. C. Traditions upheld on Reidsville market; new firms and facilities enter the field. Tobacco [New York] 122(13): 33. Mar. 28, 1946. 286.89 T552

Tobacco industry.

26952 JOHNSTON, E. G., JR. Big business for Rocky Mount leaf mart in very successful season of bright sales. Tobacco [New York] 122(13): 57, 59-61. Mar. 28, 1946. 286.89 T552

26953 JONES, J. W. From smallest to third largest mart is Middle's record of Fuquay-Varina. Tobacco [New York] 122(13): 91. Mar. 28, 1946. 286.89 T552

26954 PIERCE, R. How the land lies in markets and crops in various foreign countries right now. Tobacco [New York] 122(13): 23, 37, 52, 55, 117. Mar. 28, 1946. 286.89 T552

26955 RANKIN, R. C. Numerous improvements at Lumberton indicate greater sales this season. Tobacco [New York] 122(13): 83-85, 104. Mar. 28, 1946. 286.89 T552

26956 RICHARDSON, S. Mighty fine tobacco at Greenville sold to tune of 60,454,820 pounds. Tobacco [New York] 122(13): 65, 67. Mar. 28, 1946. 286.89 T552

26957 ROJAS, A. Plan preliminar para estabilizar la industria tabacalera de Puerto Rico. Puerto Rico. Dept. de Agr. y Com. B. de Com. 3(13): 9-12, 35-37. 1946. 286.9 P96

26958 S. De tabakshandel. Tabakplant 73 (3664): 2d leaf. p. 1. Feb. 12, 1946. 286.89 T114 Netherlands.

26959 STEVENS, G. H. More buyers needed at Wendell market to handle vast rush of the bright leaf. Tobacco [New York] 122(13): 87. Mar. 28, 1946. 286.89 T552

26960 TETLEY, G. Foreign demand takes Danville leaf plus sales to domestic manufacturers. Tobacco [New York] 122(13): 71, 73-75, 115-117. Mar. 28, 1946. 286.89 T552

26961 WENTWORTH, B. Vast poundage of bright still sold at Wilson's Great Eastern Market. Tobacco [New York] 122(13): 25, 27. Mar. 28, 1946. 286.89 T552

26962 WITHERINGTON, R. S. Back to normal is rule at Kinston as domestic, foreign trade booms. Tobacco [New York] 122(13): 77, 79-80, 103. Mar. 28, 1946. 286.89 T552

## MISCELLANEOUS PRODUCTS

26963 BEEBE, C. W., CORDON, T. C., and ROGERS, J. S. Extraction of tannin by centrifugal filtration. Amer. Leather Chem. Assoc. J. 41: 161-171. Apr. 1946. 303.9 Am32

Preparation of vegetable tanning extracts.

26964 BUTZ, E. L. Planning for tomorrow. Florists' Rev. 98(2523): 47. Apr. 4, 1946. 80 W41

26965 DAVIS, H. M. The uses of starch. Chemistry 19(7): 59-62. Mar. 1946. 381 J826A  
Third of a series on the chemistry of foods.

26966 DELAHANTY, T. W. Ergot (synopsis of information). U. S. Bur. Foreign and Dom. Com. Indus. Ref. Serv. Pt. 2. Chem., Drugs and Pharm. 4(15): 1-4. Jan. 1946. 157.54 In232

A survey of the industry.

26967 HILL, A. G. G. Camphor production in East Africa from Cinnamomum camphora. East African Agr. J. 11: 148-156. Jan. 1946. Ref. 24 Ea74

26968 KNIEB, D. V. Uncle Sam takes squint at wartime florist industry. South. Florist & Nurseryman 59(1): 15-19, 45. Apr. 5, 1946. 80 So86

26969 LINK, A. E. Economic study of I. G. Farbenindustrie A. G.; section III C: plastics, synthetic rubber, accelerators, antioxidants; detailed products list. U. S. Dept. Com. Off. Pub. Bd. Rpt. 554, 14 folders, 36 p., typewritten. Washington, 1945. 157.8 R29

26970 PINNEY, J. J. Beginning in the nursery business. Amer. Nurseryman 83(2): 15-16; (3): 15-16; (4): 18, 20-21; (5): 18, 20; (6): 15-16; (7): 18-21. Jan. 15, Feb. 1, 15, Mar. 1, 15, Apr. 1, 1946. 80 Am371

26971 RIBEREAU-GAYON, J., and PEYNAUD, E. Sur la formation des acides acétique, lactique et citrique au cours de la fermentation alcoolique. Paris. Acad. des Sci. Compt. Rend. 222: 457-458. Feb. 18, 1946. 505 P21

26972 SANFORD, MRS. F. M. How to pack cut flowers. Back to Eden 12(8): 2-3. Mar. 1946. 80 B12

## AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

## GENERAL

26973 BAK, I. Voznikovenie russkoi sel'skokhoziaistvennoi ekonomii [Origin of Russian agricultural economics]. Sotsialist. Sel'sk. Khoz. 16(9): 53-62. Sept. 1945. 281.8 So73

26974 DUGGAN, I. W. Agriculture and industry are interdependent. Mid-west. Banker 40(3): 12-13. Mar. 1946. 284.28 B222

26975 GUFFEY, J. F. Address. East. Union Farmer 2(12): 8. Jan. 1946. 280.28 Ea72

Interrelationship of agriculture and industry.

26976 HARDIN, R. R. Decentralization and Southern Appalachia. Mountain Life and Work 22(1): 7-9, 25. Spring 1946. 281.28 M86

Industrial decentralization and its effect on the agriculture of the area.



26977 KEMP, W. B. Industry displacing agriculture. Peninsula Hort. Soc. Trans. (1945) 59: 67-70. 1946. 81 P37

26978 KLEMET, O. Ekonomicheskoe polozenie Argentiny vo vremia vtoroi mirovoi voyny [Economic situation in Argentina during the Second World War]. Mirov. Khoz. i Mirov. Polit., No. 11, p. 82-90. Nov. 1945. 280.8 M67

26979 LUNDBERGH, E., and others. Konjunkturlaget hsten 1945. Konjunkturst., Stockholm. Meddel. Ser. A 13, 74 p. Stockholm, 1946. 280.9 St6K  
B. Metelius, L. Lindberger, I. Bratt, and I. Ohlsson, joint authors.

English summary and table of contents.  
Includes prospects for export and import of agricultural products, wage rates of farm workers and agricultural income in Sweden.

26980 WILSON, A. M. Alberta has Agricultural Service Boards. Country Guide 65(3): 22, 24. Mar. 1946. 7 G76

#### AGRICULTURAL FINANCE

26981 GRAY, J. R. Rackets for ruralites. Before you invest--investigate! Farmer-Stockman 59: 195. Apr. 1946. 6 Ok45

26982 MORSE, T. D. Money - where to invest it. Nation's Agr., Kans. Ed. 21(3): 4, 17. Mar. 1946. 280.82 B89A

#### Credit

26983 AMY, G. R. A service charge plan for country banks. Banking 38(10): 51-53, 122. Apr. 1946. 284.8 Am3

Service charge for checking account.

26984 BROMFIELD, L. The banker and a more abundant earth. Banking 38(10): 33-35, 114-115. Apr. 1946. 284.8 Am3

Role of the country bank in preserving and restoring agricultural land and lowering production costs.

26985 CARPETH, E. B., JR., and others. Farm loan volumes increased by local improvement programs. Bankers Monthly 63: 138-139. Mar. 1946. 284.8 B223

C. L. Barry, E. A. Howell, and L. J. Williams, joint authors.

26986 HURST, F. J. Adequate credit for better farming. Prog. Farmer, Miss.-Ark.-La. Ed. 61(4): 14, 64. Apr. 1946. 6 So81

26987 WALSER, P. H. Farmers who use soil conservation measures are better credit risks. Acco Press 24(3): 10-12. Mar. 1946. 6 Ac2

26988 WELLS, G. What a farmer expects of his bank. Fed. Reserve Bank Boston. Farm Finance 1(3): 3-4. Mar. 1946. 284.28 N44

#### Income

26989 BOWLES, C. Can we have higher wages without higher prices. Farmers Defender 5(3): 6. Mar. 1946. 280.28 F227

Indicates high farm income caused by high industrial wages.

26990 COLSTON, R. Some of the problems in parity income. Better Farming Methods 18(4): 22, 46-47. Apr. 1946. 58.8 B46

26991 FROKER, R. K. Parity income guarantee provided in Froker agricultural policy plan. Dairyland News 16(5): 5. Mar. 11, 1946. 280.28 W752

26992 HILTON, L. A., and CHAPMAN, H. H. Farm income in Alabama, 1939-1944. U. Ala. Business News, v. 16, No. 7, 4 p. University, 1946. 280.9 ALIU

26993 MAXTON, J. L. Virginia farm income. Va. Farm Econ., No. 84, p. 993-997. Mar. 1946. 275.29 V813

26994 WALLACE, H. A. Farm problem is bred in city. Wallaces' Farmer & Iowa Homestead 71: 212-213. Mar. 2, 1946. 6 W15

Effect of industrial production on farm income.

26995 WILLIAMS, M. D. Indiana one of most stable farm income states. Farmers Guide 102(3): 4. Feb. 1, 1946. 6 In2

26996 WOODWARD, E. D. What income can be expected from poultry? Canada Poultryman 33(1, i. e. 2): 7-10, 19. (Concl.) Feb. 1946. 47.8 C166

26997 ZAMORA, F. La agricultura y la industria como fuentes de ingreso [Mexico]. Rev. de Econ. 9 (1): 8-9. Jan. 15, 1946. 280.8 R3293

#### Insurance

26998 LARSEN, H. E. Farmers have until March 15 to insure spring wheat; crop insurance explained. Utah Farmer 65(13): 3, 8. Feb. 25, 1946. 6 D45

26999 MARION, J. A. Le neuvieme rapport annuel de la mutuelle-vie de l'U.C.C. [Canada]. Terre de Chez Nous 18(23): 14. Mar. 6, 1946. 7 T27

27000 NORTH DAKOTA. STATE HAIL INSURANCE DEPT. Annual report, 27, 1945, 80 p. Bismarck, 1946. 284.69 N814

27001 PARDO M., J. E. El seguro colectivo. Asoc. Colomb. de Ganad. B. Ganad. No. 16, p. 28-30. Nov./Dec. 1945. 43.9 As53  
Life insurance.

#### Taxation

27002 ALLISON, J. The new reliefs to farming; outlays on buildings and depreciation on implements. Farming News and North Brit. Agr. 98(6): 2. Feb. 1, 1946. 10 N82

Allowances for taxation.

27003 ARBELAEZ MANRIQUE, A. El regimen impositivo y la agricultura. Agr. Trop. 2(1): 43-44. Feb. 1946. 26 Ag8

Colombia.

27004 CACERES BRIE, A. Un nuevo impuesto a la tierra que trabaría la explotación agropecuaria. Diario Rural 5(549): 3. Jan. 23, 1946. 9.9 D54  
Uruguay.

27005 GREEN, H. E. Income tax reports distinguish between improvements, repairs. How to obtain an extension on income report. Westerner 9(2): 12. Mar. 1946. 49 W522

27006 GUERES, J. Las leyes de impuestos internos y el bodeguero. Vinos, Viñas y Frutas 41: 373-376, 439-440. Jan., Feb. 1946. 9 Ag89

27007 LAURENT, P. Le projet d'impôt sur les fortunes; des mesures spéciales pour les agriculteurs. France Agr. 1(5): 5. July 1945. 14 F8497

27008 MCCABE, B. C. The co-ops have an unfair advantage. Quick Frozen Foods 8(8): 102. Mar. 1946. 389.8 Q4

Taxation of cooperatives.

27009 MORSE, T. D. Do not pay extra taxes! Business of Farming 4(7): 11. Dec. 1945. 6 B96  
Farm income tax advice.

27010 NEBRASKA. STATE TAX COMMISSIONER. Annual report, 25th, 1945, 265 p. Lincoln? 1946?  
State Board of Equalization and Assessment cooperating.

Farm Schedule, p. 10-77.

27011 NIEMAN, C. E. On the tax front with the co-ops. Co-op Grain Q. 4(1): 67-72. Feb. 1946. 280.28 C7898

27012 THOMPSON, C. Y. Need to revise State tax system. Nebr. Farmer 88(6): 45. Mar. 16, 1946. 6 N27

## AGRICULTURAL LABOR AND WAGES

27013 BRUNK, M. E. Simplify your work and save. News Farmer Coop. 13(1): 12-13, 17-18. Apr. 1946. 166.2 N47

Particular reference to celery culture.

27014 CHUVIKOV, V. Voprosy oplaty truda v kol-khozakh [Payment of labor on the collective farms]. Sotsialist. Sel'sk. Khoz. 16(9): 17-26. Sept. 1945. 281.8 So73

27015 GUVAN, S. L. Zabota kolkhoza o traktor-noi brigade. Sel'so (Ser. Kolkhoz. Zeml.) 14(77/78) 1-3. 1945. 20 Se475

Care and cooperation given to the tractor brigade on the collective farm "Izvestiia" in the Krasnodar Region.

27016 HEWES, L. I., JR. Our billion dollar sweatshop. Calif. Farm Rptr. 6(3): 7. Apr. 1946. 281.8 C12

Based on testimony given January 19 at the California State Industrial Welfare Commission hearings on minimum wages for women and children in agriculture.

27017 HURD, T. N. Farm labor contractors in New York, 1944 and 1945; results of a survey of 34 farm labor contractors in two areas in central New York; prepared at the request of the Migrant Worker Committee, New York State War Council. N. Y. Agr. Col. (Cornell) A. E. 543, 33 p. Ithaca, 1946. 281.9 C81

27018 KOGAN, E. A. Kak luchshe organizovat' uborku prostymi uborochnymi mashinami. Sel'so (Ser. Kolkhoz. Zeml.) 14(122/125): 1-4. 1945. 20 Se475

Work management of grain harvesting.

27019 MARGUERITE, A. Le progrès social agricole fait un bond en avant. France Agr. 1(5): 1, 3. July 1945. 14 F8497

Wage legislation.

27020 NESTERENKO, I. V. Kak my planiruem rabotu na MTF. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(136/139): 1-4. 1945. 49 Se4

Work management on dairy farm.

27021 HOLLEMBERG, L. D. Padrão de vida. Observador Econ. e Financ. 10(119): 93-95. Dec. 1945. 280.8 Ob72

As related to wages paid to labor in the agricultural industries in Brazil.

27022 ROMANOVA, A. N. Shest' norm na v'iazke snopov. Sel'so (Ser. Kolkhoz. Zeml.) 14(107/109): 1-3. 1945. 20 Se475

Efficiency in binding sheaves on the Voroshilov collective farm in the Riazan Region.

27023 SEMIN, I. A. Kak my organizuem rabotu ferm. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(149/150): 1-3. 1945. 49 Se4

Work management on a cattle farm.

27024 SKOROBGATOVA, M. Nashemu zvenu -- 15 let. Sel'so (Ser. Kolkhoz. Zeml.) 14(129): 1-2. 1945. 20 Se475

The "zveno" system of work management at the Kaganovich collective farm in the Stavropol Region.

27025 SMITH, R. W. Was slavery unprofitable in the ante-bellum South? Agr. Hist. 20(1): 62-64. Jan. 1946. 30.98 Ag8

## AGRICULTURE - SITUATION, POLICIES, AND PROGRAMS

27026 ARAGÓN LETYA, P. Las industrias agrícolas en el país [Mexico]. Campo [Guadalajara] 14: 24-25. Feb. 1946. 8 G76

27027 BRACKEN, J. Bracken critical of Government food policy. Saskatchewan Farmer 37(6): 13. Mar. 15, 1946. 7 Se74

Agricultural policy.

27028 CARDO, E. Nuestra contribución para ganar la paz. Cuba. Min. de Agr. Almanaque (1946) 2: 124-126. 8 C896

Agricultural policy.

27029 CARNES, N. K. A most trying year. Cent. Co-op. Shipper 26(2): 4-7, 10-13. Feb. 1946. 280.28 C78

Various agricultural problems are discussed. Includes report of livestock handled by the Central Co-operative Association.

27030 CHARLES, F. E. Pillars of prosperity. Furrow, Balt. [Ed.] 51: 4, 12. Jan./Feb. 1946. 6 F98B

Agriculture in Montgomery County, Tenn.

27031 COOPER, J. F. Farm goals still set big job. Fla. Grower 54(2): 12-13. Feb. 1946. 80 F6622

27032 COURTHOPE, LORD. La agricultura británica durante la guerra. Soc. Rural Argentina An. 79: 693-695. Sept. 1945. 9 Sol

27033 DAWE, C. V. Machines farm the British Isles. Co-op Grain Q. 4(1): 42-49. Feb. 1946. 280.28 C7898

First of two articles on postwar British agriculture.

27034 DOTY, P. B. Agriculture in southeast Texas. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 435, 4 p., processed. Columbus, Ohio, 1946. 381 N213P

27035 FUCHSLOCHER, R. Ofrecemos a los poderes públicos toda la cooperación de que somos capaces. Agrario 10(371): 7, 44, 46. Nov. 30, 1945. 9.3 Ag85

Problems of Chilean agriculture.

27036 FUENTES IRUZOQUI, M. La agricultura aragonesa. Inform. Com. Españ. No. 129, p. 8-10. Oct. 25, 1945. 286.8 In3

Also in English, p. 10-12.

27037 HARTNETT, M. E. Saskatchewan's organization for better agriculture. Canad. Cattlemen 8: 220-223. Mar. 1946. 49 C16

27038 HOEKZEMA, J. P. Peace-time production; Purdue Conference plan. Farmers Guide 102(3): 2. Feb. 1, 1946. 6 In2

27039 HUMMELL, C. I. Agriculture in the Connecticut Western Reserve. West. Reserve Farmer 1(1): 7. Jan. 1946. 6 W5292

Consists of twelve counties in northeastern Ohio.

27040 HUTCHINS, P. Across the water. Agr. Ireland 3: 176-178. Mar. 1946. 10.5 Ag8

British agriculture.

27041 JAPANESE agriculture. Economist [London] 150: 176. Feb. 2, 1946. 286.8 Ec7

27042 JOHNSTONE, E. A. A long term agricultural policy for Canada. West. Farm Leader 11: 54-55. Feb. 15, 1946. 280.28 W52

27043 JOSÉ, A. S. S. A importância da semente. Rev. Ceres 6: 208-220. July/Aug. 1945. 9.2 C332

Need for and steps in a program for increasing agricultural production, with special attention to seeds in Brazil.

27044 KARETZKAYA, MRS. L. Development of agriculture in the U. S. S. R. Farmer's Advocate and Home Mag. 81: 64-66. Jan. 24, 1946. 7 F22

27045 KENEALLY, T. Review of agricultural conditions in New South Wales--1945. Rural Bank N. S. Wales. Farm Front 4: 17-19, processed. Feb. 1946. 281.9 B883

27046 KING, H. African agriculture: organized for progress. Land Policy Rev. 9(1): 27-30. Spring 1946. 1 Ec7La

27047 LAPTEV, I. Leninsko-stalinskaia nauka o sotsialisticheskoi sel'skom khoziaistve. Sotsialist. Sel'sk. Khoz. 16(9): 5-16. Sept. 1945. 281.8 So73

Teachings of Lenin and Stalin on socialist agriculture.



- 27048 LLOYD, E. W. Brighter prospects for agriculture. Field 187: 44. Jan. 12, 1946. 10 F45 Great Britain.
- 27049 MCCONKEY, O. M. With the Canadians in Holland. Farmer's Mag. 43(2): 12, 48-49, 57. Feb. 1946. 7 C165 Includes agriculture.
- 27050 MACKAY, D. G. Canadian 1946 crop outlook. Cargill Crop B. 21(3): 26-29. Mar. 21, 1946. 281.8 C19 Agricultural outlook.
- 27051 MCMILLEN, W. Shall agriculture lean or lead? Vital Speeches 12: 282-285. Feb. 15, 1946. 280.8 V83 Agricultural policy.
- 27052 MAREIL, J. Les différentes formules d'aide pécuniaire aux artisans ruraux. France Agr. 1(5): 7. July 1945. 14 F8497
- 27053 MAROTTA, F. P. "El progreso y la civilización del país se costó con la riqueza del campo. Hay que pagar esta deuda, proporcionando mejor vida a los agrarios, porque aquí está la surgente verdadera de nuestra grandeza." Argentina. Min. de Agr. Not. 10: 97-98. Dec. 10, 1945. 9 Ar311N
- 27054 MAROTTA, F. P. "Sólo la agricultura, la ocupación más noble del hombre, no ha salido de la crisis que viene padeciendo hace 15 años." Argentina. Min. de Agr. Not. 11(231): 1-2. Jan. 10, 1946. 9 Ar311N
- 27055 MAROTTA, F. P. "Vengo a servir los intereses de nuestros sufridos y esforzados productores rurales," expresó el nuevo titular de Agricultura. Argentina. Min. de Agr. Not. 10: 81-82. Oct. 31, 1945. 9 Ar311N Agricultural problems in Argentina.
- 27056 MAXTON, J. L. Trends in Virginia's agriculture. Va. Farm Econ. No. 83, p. 985-986. Feb. 1946. 275.29 V813
- 27057 MILBURN, V. S. Let's be sure of our grounds. Rural Co-op 10(12): 3. Mar. 12, 1946. 280.28 R88 Agricultural policy for Canada.
- 27058 MOORE, O. Chilean agricultural policy. Foreign Agr. 10: 34-45. Mar. 1946. 1.9 Ec7For
- 27059 O'NEAL, E. A. Postwar program for agriculture. Nation's Agr., Kans. Ed. 21(3): 5, 10. Mar. 1946. 280.82 B89A
- 27060 PARSONS, F. L. Agriculture at the crossroads; expanded agricultural production complicates postwar farm programs. Fed. Reserve Bank Minneapolis. Monthly Rev. Agr. and Business Cond. 8: 305-306, 313-314. Feb. 28, 1946. 284.8 F31M
- 27061 PATTON, J. G. Report to the delegates to the postponed 1945 convention of Farmers Educational and Cooperative Union of America, March 4, 1946. N. Dak. Union Farmer 12(23): 4-5. Mar. 18, 1946. 280.28 N812 Farmers Union stand on matters of agricultural policy.
- 27062 PIGDEN, W. J. Agriculture in southern Italy. O. A. C. Rev. 58: 247-248. Feb. 1946. 276.8 On8
- 27063 POND, G. A. The farm program for 1946. Minn. U. Agr. Ext. Farm Business Notes, No. 277, p. 1-3. Jan. 28, 1946. 275.29 M663
- 27064 PORTER, W. H. Frame work of the future [of agriculture]. Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 2-5, processed. 27 C33
- 27065 POTVIN, J. B. Le Lac-Saint-Jean agricole; impressions agronomiques. Terre de Chez Nous 18 (21): 8. Feb. 20, 1946. 7 T27
- 27066 PRIESTLEY, N. F. Planning Canada's farm production; Dominion-Provincial Conference sets objectives for 1946. West. Farm Leader 10: 401. Dec. 7, 1. e. 21, 1945. 280.28 W52

- 27067 RICHARDSON, H. L. China puede alimentar bien a 750 millones de seres. Rev. Ganad. [Habana] 6(1): 52-53, 56. Jan. 1946. 8 R3292
- 27068 RUSSIA in 1946-III. Crisis in Russian agriculture. Economist [London] 150: 406-407. Mar. 16, 1946. 286.8 Ec7
- 27069 SANHUEZA, A. Estudio de un plan de fomento de la producción agropecuaria para la Zona Austral [Chile]. Agrario 10(371): 12, 14, 16, 32. Nov. 30, 1945. 9.3 Ag85
- 27070 SAUER, E. L. Farm plans for peacetime production. Ill. Farm Econ., No. 129/130, p. 330-335. Feb./Mar. 1946. 275.28 IL5 Illinois.
- 27071 SCHOTTROFF, R. P. Cuba's rivers and agriculture. Agr. in the Americas 6: 80, 77. Apr. 1946. 1 F752A
- 27072 SCOTT, H. La nueva economía rural de El Salvador. Hacienda 41(1): 44-45. Jan. 1946. 6 H11 Policies and programs.
- 27073 SEVERSON, H. How one county grew more food. Banking 38(10): 54-55, 113. Apr. 1946. 284.8 Am3 Development of a farming program for Johnson County, Tennessee, by Roby J. Howard.
- 27074 SHERRILL, W. B. At the touch of the magic wand. Farm and Ranch 65(4): 10-11. Apr. 1946. 6 T31 Agriculture in Texas; pictures.
- 27075 T. La production de qualité. Petit Casablancais 31(1253): 6. Mar. 9, 1946. 280.8 P44 Crop situation in Morocco.
- 27076 THOMAS, W. P. The economic situation as it relates to Utah's agriculture. Farm & Home Sci. [Utah Sta.] 7(1): 3, 11-12. Mar. 1946. 100 UtlF
- 27077 THROCKMORTON, R. I. Crops to grow in 1946. Kans. Farmer 83(3): 5, 21. Feb. 2, 1946. 6 K13 Production goals.
- 27078 UNITED FARMERS OF ALBERTA. Programme for agriculture. West. Farm Leader 11: 53, 64. Feb. 15, 1946. 280.28 W52
- 27079 VICENTE MEZA, J. Dificultades de la agricultura en el Atlántico [Colombia]. Cult. Agr. 5 (50): 18. Jan. 30, 1946. 9.4 C89
- 27080 VIVIAN, J. C. Colorado's four million acres. San Luis Val. Farmer and Stockman 1(4): 4. Jan. 1946. 6 Sa52 Agriculture.
- 27081 WALLACE, H. A. America's hope for tomorrow is in planning. Co-op Grain Q. 4(1): 2-7. Feb. 1946. 280.28 C7898 Agricultural.
- 27082 WARD, R. A. The value of Oregon agriculture. Natl. Farm Chemurg. Council. Chemurg. Papers, No. 422, 3 p., processed. Columbus, Ohio, 1946. 381 N213P

#### Subsidies

- 27083 COULTER, J. L. Can the Government head off inflation by continuing the system of subsidies? Sugar J. 8(10): 9-11. Mar. 1946. 65.8 Su391
- 27084 PARODNECK, M. Bitter subsidy sets inflation formula. East. Union Farmer 2(12): 6. Jan. 1946. 280.28 Ea72
- 27085 RICHARDS, A. E. The Agricultural Food Board. Agr. Inst. Rev. 1: 227-228, 230-232, 234-236. Mar. 1946. 7 Ag8 Food subsidies in Canada.
- 27086 SHEPHERD, G. A bear by the tail; how and when shall we let go of food subsidies? Iowa Farm Econ. 12(3): 12-13. Mar. 1946. 275.28 Io92
- 27087 SMITH, C. W. Offer turned down. Our Milk 1(2): 4. Nov. 1945. 280.28 Ou7 On milk subsidy payments.

27088 WARD, G. H. Food subsidies and the inflationary crisis. Va. Farm Econ., No. 84, p. 999. (To be cont.) Mar. 1946. 275.29 V813

## FARM MANAGEMENT AND LAND ECONOMICS

27089 BEDNOV, N. G. Kak my ubrali i obmolotili urozhai [How we harvested and threshed our crops]. Sel'so (Ser. Kolkhoz. Zeml.) 14 (116/118): 1-4. 1945. 20 Se475

The Kirov collective farm in the Moscow Region.

27090 BEELER, M. N. Mind your own business. Carper's Farmer 57(4): 4, 67. Apr. 1946. 6 M693

Farm management.

27091 BLANCHET, J. Dans les divers départements de la ferme. Terre de Chez Nous 18(21): 9. Feb. 20, 1946. 7 T27

Farming practices.

27092 BUSHNELL, H. H. Foothill dairying. West. Dairy J. 2(6): 18-19. Apr. 1, 1946. 44.8 W524

Management on a California dairy farm.

27093 C., A. S. Los dos latifundios. Tierra 1(1): 24-25. Nov. 1945. 280.8 T442

Uruguay.

27094 CHAMP, F. P. Emerging public land policies. Natl. Wool Grower 36(3): 9-10, 34, 36-39. Mar. 1946. 45.8 N21N

27095 COLSTON, R. In 1946...good management will pay dividends. Poultry Tribune 52(1): 12-13, 35-37. Jan. 1946. 47.8 P8642

27096 COMMENTS on "The Railroad Land Grant Legend in American History Texts." Miss. Val. Hist. Rev. 32: 557-576. Mar. 1946. 134.8 M69

Comments by D. M. Ellis, R. C. Overton, R. E. Riegel, H. O. Brayer, C. M. Destler, S. Pargellis, F. A. Shannon, and E. C. Kirkland on an article by R. S. Henry in the September 1945 issue.

27097 DEGRAFF, H. Can you substitute and save? Farm J. 70(4): 28. Apr. 1946. 6 F2212

Short cuts in management.

27098 DELONG, G. E. Plan farm operations to avoid hazards, improve yield and quality and reduce production costs. Farm and Ranch Rev. 42(2): 12. Feb. 1946. 7 F223

27099 KLEAZER, J. M. South Carolina likes "Two-Armed Farming." Prog. Farmer, Car.-Va. Ed. 61(4): 14. Apr. 1946. 6 P945

27100 FALCIONI, A. C. Las condiciones de un campo para la explotación pecuaria. Res 14: 18555-18556. Jan. 5, 1946. 286.85 R31

Selection of location for livestock farming.

27101 FREUND, R. Military bounty lands and the origins of the public domain. Agr. Hist. 20(1): 8-18. Jan. 1946. 30.98 Ag8

Bounty land policy of the Revolutionary War.

27102 FRY, H. S. Help for the soil. Country Guide 65(3): 10, 69. Mar. 1946. 7 G76

Government services in promoting better farming methods.

27103 GENUNG, A. B. A job plus a little farm. Rural Electrification News 11(7): 8-9, 21. Mar. 1946. 173.2 R88Ru

27104 GUERIN, B. C. DE. The Channel Islands; farming under the Germans. New Zeal. Farmer Weekly 66(24): 46-47. Jan. 24, 1946. 23 N484

27105 HINMAN, C. H. Milking Shorthorns and the \$64 question. West. Dairy J. 2(6): 27-29. Apr. 1, 1946. 44.8 W524

Problems of costs and replacements in dairy farming.

27106 KILGORE, B. The Hopkins County [Kentucky] blueprint for practical progress. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(4): 20, 71. Apr. 1946. 6 P943K

27107 KLIUKIN, I. S. Opyt organizatsii molot'-by. Sel'so (Ser. Kolkhoz. Zeml.) 14(113/115): 1-4. 1945. 20 Se475

Management of threshing work on the "Peredovik" collective farm in the Ivanovo Region.

27108 KNIAZEV, G. Revizionnaya komissiya pomogla pravleniyu kolkhoza. Sel'so (Ser. Kolkhoz. Zeml.) 14(160): 1-2. 1945. 20 Se475

Farm management.

27109 KRAVCHENKO, I. E. Kak ia rukovozhu kolkhozom. Sel'so (Ser. Kolkhoz. Zeml.) 14(142/143): 1-4. 1945. 20 Se474

Management of the reconstruction of the kolkhoz "Kommunist" in the Dnepropetrovsk Region.

27110 KUTISH, F. A. Crippled farms that now pay their way. Agr. Leaders' Digest 27(3): 26-27. Mar. 1946. 275.28 Am3

Improved management.

27111 LANGE, H. K. Farmstead planning important. Miss. Val. Lumberman 77(9): 15-16. Mar. 1, 1946. 99.81 M69

27112 MENDONÇA, R. DE. A revolução agrícola do México. Observador Econ. e Financ. 10(119): 27-31. Dec. 1945. 280.8 Ob72

Farming from sea to clouds.

27113 MOORE, O. Farming in the Americas 6: 67-70. Apr. 1946. 1 F752A

Farming types in Peru.

27114 NEGODA, K. K. Kak my vosstanavliваем khoziaistvo kolkhoza. Sel'so (Ser. Kolkhoz. Zeml.) 14(140/141): 1-3. 1945. 20 Se475

Reconstructing the economy of the Karl Marx kolkhoz in the Dnepropetrovsk Region.

27115 NÚÑEZ, A. Indicaciones prácticas a los agricultores. Uruguay. Min. de Ganad. y Agr. Bol. Inform. 3: 45. Feb. 7, 1946. 9.9 G15B

27116 P., B. Some of the "little things" that build poultry profits. Rural New-Yorker 105: 308. Apr. 6, 1946. 6 R88

Management economics.

27117 PHINIZY, L. H. Cason Callaway's "Georgia plan for better farms." Gard. Club Amer. B., ser. 10, No. 5, p. 86-88. Mar. 1946. 90.32 G16

27118 PONOMARENKO, I. T. Kak my vosstanavliваем fermu krupnogo rogatogo skota. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(151/152): 4. 1945. 49 Se4

Restoration of a cattle farm.

27119 PUGA, C. DE. La pequeña propiedad rural. Cuba. Min. de Agr. Almanaque (1946) 2: 47-49. 8 C896

27120 RIZER, MRS. M. I. Hogs and beef cattle are main cash crops. Victory Farm Forum, No. 22, p. 14. Mar. 1946. 281.8 F226

Various management aspects discussed.

27121 ROE, J. Make room for the boys. Farm J. 70(4): 47-48. Apr. 1946. 6 F2212

Father-son partnerships.

27122 ROSLOV, G. Ekonomika kolkhoza v dni voyny. Sel'so (Ser. Kolkhoz. Zeml.) 14(158/159): 1-4. 1945. 20 Se475

Economic conditions on the collective farm "Zaria" in the Gor'kiy Region during the war.

27123 SANDERS, H. G., and others. This is my farm. Gt. Brit. Min. Agr. Agriculture 52: 540-545. Mar. 1946. 10 G79J

H. H. Pickering, D. H. Findlay, and T. Scott, joint authors.

Farm management.

27124 SIMMONS, C. A country home for the city man. Pacific Rural Press, North. Ed. 151: 252-253. Mar. 16, 1946. 6 P112

27125 SIMMONS, C. Speaking of diversification. Pacific Rural Press, North. Ed. 151: 244. Mar. 16, 1946. 6 P112



27126 SMALLFIELD, P. W. Farming in the Auckland Province. New Zeal. Dept. Agr. B. 213, 60 p. Wellington, 1945? 23 N48Bu

Observations on farming methods published originally in 1935 and 1936 in the New Zealand Journal of Agriculture.

27127 SMITH, D. Short course enrollment zooms as veterans, war workers, return. N. J. Agr. 27(5): 6. Sept./Oct. 1945. 275.28 N46

Appeal of farming as an occupation.

27128 SOMERVILLE, H. L. Soldier learned about farming in Air Corps. Farmer-Stockman 59: 62. Feb. 1946. 6 Qk45

27129 STOVER, R. L. Management factor effecting profits on dairy farms. (Sum.) Kans. City Coop. Dairymen 16(1): 3. Jan. 1946. 280.28 K13

27130 TROFIMOV, I. B. Kak my zavoevali pervenstvo v raione i v oblasti. Sel'so (Ser. Kolkhoz. Zeml.) 14(148/149): 1-4. 1945. 20 Se475  
Report of achievements on the "Mafiak Kollektivizatsii" farm in the Western Kazakhstan Region.

27131 TURNBULL, R. Grass or corn? Farm J. 70 (4): 29-30. Apr. 1946. 6 F2212

Farmer's experiences growing brome grass.

27132 VASIL'EV, I. I. Kak my vosstanovili svi-nofermu [How we had restored our swine farm]. Sel'so (Ser. Kolkhoz. Zhivotn.) 14(158/159): 1-3. 1945. 49 Se4

27133 WATTS, R. L. The romance of William Hoyt. Pa. Farmer 134: 207. Mar. 23, 1946. 6 P383  
Rice and cattle farming in Louisiana.

27134 WILLIAMS, M. D. Helpful suggestions for the part-time farmer. Farmers Guide 102(7): 20. Apr. 1, 1946. 6 In2

#### Bookkeeping and Records

27135 SINGH, L., and SINGH, A. Farm accounts in the Punjab 1940-41; being the seventeenth year of issue, summarising the accounts of 29 holdings of various kinds; with a section on cost of different methods of well-irrigation in the Punjab. Punjab. Bd. Econ. Inquiry. P. 85, 106 p. Lahore, 1945. 281.9 In2

27136 ZAITSEV, S. P. Kak my uchityvaem trud pri individual'nom zakreplenii uchastkov. Sel'so (Ser. Kolkhoz. Zeml.) 14(119/121): 1-4. 1945. 20 Se475  
Accounting system on the "Krasnyi Boets" collective farm in the Krasnodar Region.

#### Cost of Production

27137 ADAIR, W. Sugar-beet costings; the residual-values factor. Farming News and North Brit. Agr. 98(2): 3. Jan. 4, 1946. 10 N82

27138 ANGELL, G. N. Not so big but ever so good. Oreg. Farmer 69: 159, 187. Mar. 21, 1946. 6 Or32

Costs and returns on an irrigation project.

27139 BARR, W. L. Testimony on costs of producing milk. Dairymen's Price Rptr. 28(3): 3, 7. Mar. 1946. 280.28 D14

27140 BOREA, D. Costos de producción agrícolas y ganaderos [Uruguay]. Consejo Interamer. de Com. y Prod. Cuest. Agr., No. 3, 36 p. Montevideo, 1945. 281.9 C7662

27141 BUTLER, M. There's profit in poultry raising. Feedstuffs 18(13): 28-29. Mar. 30, 1946. 286.81 F322

27142 DILLMAN, S. D. Why I'm raising chicks. Wis. Agr. and Farmer 73(6): 28. Mar. 16, 1946. 6 W751

Costs and returns.

27143 HICKS, O. C. Fashion's decree is milk. Dairy farmers of New Brunswick add up production costs and are alarmed by the total. Farmer's Advocate and Home Mag. 81: 244-245. Mar. 28, 1946. 7 F22

27144 LACEY, J. J. Lightweight gains cost less. Hoard's Dairymen 91: 307. Apr. 10, 1946. 44.8 H65  
Comparative costs of producing lighter or fewer cattle for meat.

27145 LIÈGE, D. DE. Les prix de revient dans l'industrie du caoutchouc. Rev. Gen. du Caoutchouc 22: 201-203. Oct. 1945. 305.8 R32

27146 MATTHISON, J., and HOFFMAN, E. Cost of hog production project. (Sum.) Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 14-15, processed. 27 C33

27147 MELO, L. E. El maíz es la base fundamental de la industria animal. Panama. Min. de Agr. y Com. Rev. de Agr. y Com. 5(52): 15-17. Dec. 1945. 8 R3291

Labor and other costs of producing corn for use as feed.

27148 REZENDE, A. V. O custo da produção da batata na Veiga de Chaves. Portugal. Junta Nac. das Frutas. B. 5(6): 17-34. June 1945. 286.3939 P83

27149 SAVAGE, Z. Trends in costs and returns of Florida citrus. Citrus Indus. 27(3): 5-7, 12-14. Mar. 1946. 80 C49

27150 STETSON, M. J. E. Profits from poultry. Amer. Farm Youth 12(1): 36. Mar. 1946. 6 Am393

27151 STODART, J. A. Crop costings: what are overheads? How should they be allocated? Farming News and North Brit. Agr. 98(2): 2. Jan. 4, 1946. 10 N82

27152 SVEDBACK, V. Hur inverkar skogsbetet på hushållsekstelsens lönsamhet? Svenska Val- och Mosskulturför. Kvtlsskr. 7(1): 9-13. Mar. 1945. 11 Sv27

Effect of forest grazing on the profitability of livestock production.

27153 WARD, G. H. The rising cost of producing fluid milk. Va. Farm Econ. No. 83, p. 990-991. Feb. 1946. 275.29 V813

#### Farms - Number and Size

27154 WILLS, J. E. Changes in size of farm. Ill. Farm Econ., No. 129/130, p. 335-342. Feb./Mar. 1946. 275.28 IL5  
Illinois.

#### Land Settlement and Colonization

27155 AGRICULTURAL BANK OF TASMANIA. Annual reports of the Board of Management and of the Closer Settlement Board, 1944/45, 30 p. Hobart, 1945. 284.29 Ag8

27156 AGRICULTURAL immigration possibilities for Canada; part II. Ontario Milk Prod. 21: 268, 285. Mar. 1946. 44.8 On8

27157 FAGNILLI, G. La primera colonia agrícola en la Patagonia Argentina. Bolsa de Com., Rosario. Rev. 34(817): 15-16, 18. Jan. 31, 1946. 287 R71  
Also in Chacra 16(184): 56-57, 74. Feb. 1946. 9 C34

27158 GRAJDANZEV, A. J. Manchuria as a region of colonization. Pacific Affairs 19(1): 5-19. Mar. 1946. 280.8 P11

27159 HENDERSON, S. An experiment in forest-farm resettlement. J. Land and Pub. Util. Econ. 22(1): 10-21. Feb. 1946. 282.8 J82

Drummond Forest Community in Wisconsin.

27160 OGLE, C. W. So you want a homestead? Oreg. Dept. Agr. Agr. B. No. 149, p. 27. Mar. 1, 1946. 2 Or3

27161 OLARTE, M. La colonización agrícola en Santander [Colombia]. Agr. Trop. 2(1): 33-34. Feb. 1946. 26 Ag8

Land Tenure

27162 CAPUS, J. Le morcellement de la propriété viticole dans les régions de vins fins. Off. Internat. du Vin. B. 18(175/178): 42-44. Sept./Dec. 1945. 390.8 B87

27163 FARM land holdings in California; do we need acreage limitations? California 36(2): 1-4. Feb. 1946. 280.8 C12

27164 FOLSE, C. L. Farm occupancy of Virginia farmers. Va. Farm Econ. No. 83, p. 989. Feb. 1946. 275.29 V813

27165 FORTÉ, A. N. L'impôt sur les successions en Égypte; étude technique et pratique de la loi No. 142 de 1944 établissant un droit de mutation sur les successions. Égypte Contemporaine, Nos. 226/227, p. 371-608. Apr./May 1945. 270 Eg95

Includes the evaluation of agricultural lands on p. 475-477.

27166 GELSI HIDART, A. Arrendamientos y desalojos. Diario Rural 5(546): 8. Jan. 12, 1946. 9.9 D54

Uruguay.

27167 HARRIS, M. Tenure reform in Puerto Rico. Land Policy Rev. 9(1): 22-26. Spring 1946. 1 Ec7La

27168 LÓPEZ PELLÓN, N. La cuestión del agro. Rev. Canad. [Habana] 6(1): 12-13. Jan. 1946. 8 R3292

The agrarian problem.

27169 LOVE, H. M. Farm real estate transfers in Virginia. Va. Farm Econ. No. 83, p. 986-989. Feb. 1946. 275.29 V813

27170 MCBEAN, L. M. The preservation of farm beacons. Rhodesia Agr. J. 42: 505-506. Nov./Dec. 1945. 24 R34

27171 RUDNI, L. El latifundismo y el consiguiente sistema de arrendamientos ha influido desfavorablemente en la economía campesina. Pampa Argentina 20(221): 7. Jan. 1946. 9 Pl9

27172 SILKIN, L. Towards land nationalisation. (Sum.) Land Union J. 43(1): 8-9. Jan./Feb. 1946. 282.8 L22

Land Utilization

27173 FROST, N. Leading educator outlines teaching of better land use. Appleblossom 18(10): 4. Mar. 8, 1946. 275.8 Ap5

27174 FENDLETON, R. L. Land utilization in southeastern Asia. Pacific Affairs 19(1): 101-108. Mar. 1946. 280.8 P11

27175 STAMP, L. D., Ed. The land of Britain; the report of the Land Utilisation Survey of Britain, Pts. 19, 51-52. London, 1945. 282 L223La  
Pt. 19. Dumfriesshire, by J. A. McIver, p. 221-258; pt. 51. Yorkshire (North Riding), by S. W. Wooldridge, p. 351-417; pt. 52. Northumberland, by L. D. Stamp, G. Manley, and G. H. J. Daysh, p. 421-486.

Land Values and Valuation

27176 JOHNSON, A. R. The farm real estate market. Va. U. News Let., v. 22, No. 10, 1 p. Charlottesville, 1946. 280.9 V815

POPULATION

27177 CARTER, G. W. Let's all leave the soil? West. Farm Leader 11: 107, 109. Apr. 5, 1946. 280.28 W52

27178 CAVIGLIA, L. C. La verdadera despoblación. Selec. Rurales 1(1): 3. July 1945. 9.9 Se4  
Rural exodus in Uruguay.

27179 PIÑEIRO PEARSON, D. Despoblación de la campaña. Bolsa de Com., Rosario. Rev. 33(811): 3-10, 12-15. Oct. 31, 1945. 287 R71

RURAL SOCIAL ORGANIZATION

27180 BEERS, H. W. Highland society of eastern Kentucky, in transition. Mountain Life and Work 22(1): 1-3, 26-27. Spring 1946. 281.28 M86

27181 INCHAUSPE, P. Voces y costumbres del campo argentino. Buenos Aires (Prov.). Dir. de Ganad. B. de Ganad. 1(12): 80-82. Sept./Oct. 1945. 49 B86

27182 PAUL, G. Economics of life in the Orkneys. Field 187: 298-300. Mar. 16, 1946. 10 F45

27183 RIVIERE, C. M. Al terminar el año. Diario Rural 5(543): 14. Dec. 29, 1945. 9.9 D54  
Problems of rural life in Uruguay.

27184 WALLACE, H. An ideal rural civilization. Christian Rural Fellowship B. No. 108, 4 p., processed. N. Y., 1945. 281.29 C46

Human Ecology

27185 DAVIS, D. R. A community organization program for small communities. Christian Rural Fellowship B. No. 110, 6 p., processed. N. Y., 1946. Ref. 281.29 C46

27186 HODGE, C. H. Community building. Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 5-6, processed. 27 C33

27187 KELLY, E. M. Where everybody jumps in and helps. Kans. Farmer 83(6): 3, 32. Mar. 16, 1946. 6 K13

Description of a community and its activities.

27188 KOLLMORGEN, W. M., and HARRISON, R. W. The search for the rural community. Agr. Hist. 20(1): 1-8. Jan. 1946. 30.98 Ag8

27189 LEMMON, E. Community survey in Sydenham Township, Grey County. Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 7-9, processed. 27 C33

27190 MADAN, J. A. Future village organisation. Bombay Co-op. Q. 29: 99-104. Dec. 1945. 280.28 B63

27191 ORR, G. Community survey in Vaughan Township. Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 6-7, processed. 27 C33

27192 RAY, G. E. Worship - work - play. Life of ranch folks near Columbine, Colorado, revolves around Pop Hall which serves as church, community house and recreation center. Capper's Farmer 57(4): 14, 36-37. Apr. 1946. 6 M693

27193 SASKATCHEWAN ASSOCIATION OF RURAL MUNICIPALITIES. Report of the proceedings of the ... annual convention, 40th, 1945, 99 p. Regina, 1945. 281.9 Sa72

Institutions

27194 ABEL, F. Un allemand à l'exposition agricole de Moscou en 1940. Terre d'Oc 27: 410-415. Nov. 1945. 14 T27

27195 AMARGOS, J. L. Las radio-comunicaciones y los agricultores. Liborio 6(1): 8-9. Jan. 1946. 43.8 V41

27196 ANDRES GARCILASO, R. El Criollo: un trabajador heróico [Argentina]. Chacra 16(184): 67. Feb. 1946. 9 C34

27197 ARPAUD. Etudes et recherches agricoles (deuxième article); le paysan et le fonctionnaire. Terre d'Oc 27: 348-349. Oct. 1945. 14 T27

27198 BAKER, J. C. Stations are providing better rural radio service. Agr. Leaders' Digest 27 (3): 24. Mar. 1946. 275.28 Am3

27199 BAQUERO, G. La reivindicación del guajiro. Labor 4(100): 7. Jan. 1946. 8 L11

27200 BECKER, E. L. How to prepare for the rural ministry. Town & Country Church, No. 24, p. 1-2. Feb. 1946. 281.28 T66



- 27201 BONSACK, C. H. Wisconsin vocational agriculture. Amer. Farm Youth 12(1): 15. Mar. 1946. 6 Am393
- 27202 CALHOUN, A. Does rural Alberta need libraries? West. Farm Leader 11: 70, 72. Mar. 1, 1946. 280.28 W52
- 27203 COUNCIL OF STATE GOVERNMENTS. Grants-in-aid and other Federal expenditures within the States (supplement 1), Sept. 1945, 9 p. Chicago, 1945. 284 C834
- Includes grants for agricultural experiment and extension work and for colleges of agriculture and mechanic arts.
- 27204 COUNTY agents directory; a reference book for agricultural extension workers, 31, 1946, 196 p. Chicago, Seed Trade Reporting Bur., 1946. 225 Of232
- 27205 CRUMELISS, W. Organizing a young farmer class. Agr. Leaders' Digest 27(3): 34. Mar. 1946. 275.28 Am3
- Night class in vocational agriculture.
- 27206 CRUZ RIASCOS, L. C. Los nuevos frentes del trabajo. Agr. Trop. 2(1): 27-28. Feb. 1946. 26 Ag8
- Accomplishments and tasks of the magazine Agricultura Tropical.
- 27207 CÚNEO, D. La Escuela Campesina de Warizata. Chacra 16(183): 28-29. Jan. 1946. 9 C34
- 27208 DELANEY, M. N. The Negro rural church faces the future. Farmers Fed. News 26(6): 20. Feb. 1946. 280.28 F225
- 27209 EKSTROM, G. F. Education of farm boys and girls in Minnesota. Visitor, v. 33, No. 2, 4 p. St. Paul, 1946. 275.8 V822
- 27210 ESPINOLA, M. La escuela rural. Selec. Rurales 1(1): 9. July 1945. 9.9 Se4
- 27211 PARIS, G. The church in the rural community. Farmer's Mag. 43(2): 36. Feb. 1946. 7 C165
- 27212 FAULKNER, T. L. Home projects earn profits for boys. Agr. Leaders' Digest 27(3): 49. Mar. 1946. 275.28 Am3
- Projects by vocational agriculture students.
- 27213 FERREIRO, A. Los fundamentos de las escuelas granjas. (Excerpts.) Uruguay. Min. de Ganad. y Agr. Bol. Inform. 2: 476, 480, 483. Dec. 20, 27, 1945. 9.9 G153
- 27214 FRIAS MORAN, H. El servicio de extensión agrícola en Estados Unidos. Agrario 10(371): 30, 46; (372): 4. Nov. 30, Dec. 31, 1945. 9.3 Ag85
- 27215 GUARD, E. S. Solving the problem of school attendance. Ky. Farmer's Home J. 82(2): 27. Feb. 1946. 6 F2237
- 27216 HAAS, C. A. The Extension Service and you--readjustment problems. West. Reserve Farmer 1(1): 10. Jan. 1946. 6 W5292
- 27217 HADFIELD, A. Industry in quiet places; a woodcarver in the true classic tradition. Wood 11: 65-68. Mar. 1946. 99.82 W855
- 27218 HAMBRIDGE, V. Today's challenge--how can farm girls meet it? (Sum.) Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 34, processed. 27 C33
- 27219 HANNAM, H. H. The Canadian farmer as a world citizen. Ontario Cheese Prod. Assoc. Rpt. (1945) 13: 25-26. 1946. 44.9 On8
- 27220 HARROD, H. Growing into farming. Amer. Farm Youth 12(1): 34-35. Mar. 1946. 6 Am393
- Education for agriculture.
- 27221 HARTMAN, V. E. Helping the rural minister. Mountain Life and Work 22(1): 15-16, 25. Spring 1946. 281.28 M86
- 27222 HEFFRON, R. J. Big expansion planned in State system; improved [educational] facilities will be made available to country children. Farmer and Settler 40(45): 24. Dec. 7, 1945. 23 F226
- 27223 HEUSTIS, A. Cancer education in a rural area. Mich. Pub. Health 34: 64-65. Apr. 1946. 449.7 M58M
- 27224 HOPKINS, A. W. Farm families will plan and plant. Agr. Leaders' Digest 27(3): 50-51. Mar. 1946. 275.28 Am3
- Describes a state-wide extension program in Wisconsin.
- 27225 JACOBS, J. A. I've now been farm training 2 months. Smallholder 74(1876): 12-13. Mar. 1, 1946. 10 Sml
- Veterans.
- 27226 JOHNSTON, H. Bringing Blue Cross service to farmers. News Farmer Coop. 13(1): 11, 16-17. Apr. 1946. 166.2 N47
- 27227 KEIM, F. D. Biarritz school days; my seven months in Europe [to teach genetics and farm crops]. Nebr. Farmer 88(6): 1, 38, 42. Mar. 16, 1946. 6 N27
- 27228 KETCHUM, J. C. Prepaid health service. Nation's Agr., Kans. Ed. 21(3): 8, 11. Mar. 1946. 280.82 B89A
- On the Blue Cross Plan in Michigan rural areas.
- 27229 KILBURN, I. Wave that baton. Family Herald and Weekly Star 77(6): 39. Feb. 6, 1946. 7 F21
- Music in the community.
- 27230 LACAZE, E. Escuelas rurales. Chacra 16 (183): 36-37, 64. Jan. 1946. 9 C34
- 27231 LARSON, G. If we want rural industries let's get a sparkplug. Land Policy Rev. 9(1): 14-17. Spring 1946. 1 Ec7La
- 27232 LATHROPE, H. R. A county agent reflects. Agr. Leaders' Digest 27(3): 42. Mar. 1946. 275.28 Am3
- 27233 MCGINTY, G. W. Notes on the agricultural fairs in the old Northwest, 1840-1850. Southwest. Social Sci. Q. 26: 303-314. Mar. 1946. 280.8 So82
- 27234 MALONE, J. Lights on again at Nation's top winter fair. Fla. Grower 54(2): 5, 29. Feb. 1946. 80 F6622
- 27235 MAROTTA, F. P. "A medida que avence el desequilibrio entre la campaña y la ciudad, en beneficio de esta última, será más incierta la suerte de la República, porque se comprometerá más su estabilidad económica, social y política." Argentina. Min. de Agr. Not. 10: 99. Dec. 10, 1945. 9 Ar311N
- Problem of Argentine agricultural education.
- 27236 MERRITT, M. New Jersey home agents--theirs is the vital business of enriching family living. N. J. Agr. 27(5): 1-4. Sept./Oct. 1945. 275.28 N46
- 27237 NATIONAL UNION FARMERS. Health: America's 5th column or America's 5th freedom. Natl. Union Farmer, v. 25, No. 5, Sup., 8 p. Mar. 1, 1946. 281.8 N212
- Data on rural health.
- 27238 NESMAN, H. E. Michigan offers training in agriculture to "G. I. Joe." Indus. Arts and Vocat. Ed. 35(2): 57-58. Feb. 1946. 275.8 In2
- 27239 NEWARK, C. Finance that doctor call through cooperation. Iowa Farm Econ. 12(3): 10-12. Mar. 1946. 275.28 Io92
- Health cooperatives.
- 27240 NOBLE, W. R. "On-the-job" training for veterans. Farm Equip. Retailing 1(2): 26, 28, 60. Feb. 1946. 58.8 F2292
- 27241 PHILLIPS, J. The farmer of North Burma. East. Union Farmer 2(12): 7. Jan. 1946. 280.28 Ea72
- 27242 POWELL, M. V. Out of the past--courage, unity, service. Home & Country [Toronto] 2(1): 1. Winter 1945/1946. 281.28 H753
- The Canadian rural women.
- 27243 REAMAN, G. E. Some suggestions for rural education. Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 18-20, processed. 27 C33
- 27244 RODRÍGUEZ CABRERA, M. Escuela rural y escuela urbana. Asoc. de Téc. Azucareros de Cuba. B. Ofic. 4: 392-395. Dec. 1945. 65 As5B



- 27245 ROGERS, C. N. Adventures in home-grown religion. *Successful Farming* 44(4): 32, 52. Apr. 1946. 6 S412
- 27246 ROSS, M. One Michigan county, Gogebic, has all consolidated schools. *Appleblossom* 18(10): 2. Mar. 8, 1946. 275.8 Ap5
- 27247 SAMUELS, J. K. Waverly [Fla.] builds a health foundation. *News Farmer Coop.* 13(1): 11. Apr. 1946. 166.2 N47
- 27248 SAYRE, MRS. R. Wanted: higher standards in education. *Nation's Agr.*, Kans. Ed. 21(3): 7, 9. Mar. 1946. 280.82 B89A  
Rural schools.
- 27249 SEVERSON, H. The country, church that found itself. *South. Agr.* 76(4): 11. Apr. 1946. 6 S63
- 27250 SIGGAARD, N. Unge landmænds muligheder for at komme til udlandet. *Tidsskr. for Landøkonomi*, No. 2, p. 175-178. Mar. 1946. 11 T43  
Opportunities for young Danish farmers to study vocational agriculture in foreign countries.
- 27251 SIMONS, E. J. Factors in rural health in Minnesota. *Minn. Med.* 29: 225-226, 258. Mar. 1946. 448.8 M66
- 27252 SOUTHERN, W. State agricultural education. *West. Austral. Dept. Agr. J.* 22: 206-208. Sept. 1945. 23 W52J
- 27253 SPINKS, C. N. Japan's not-so-desperate peasants. *Asia & Americas* 46: 173-176. Apr. 1946. 286.8 Am31
- 27254 TROTTER, I. P. Your Agricultural Extension Service. *Prog. Farmer, Tex. Ed.* 61(4): 24, 76. Apr. 1946. 6 T311
- 27255 VINE, R. South Head; nine farms for soldiers. *New Zeal. Farmer Weekly* 66(24): 8-10. Jan. 24, 1946. 23 N484
- 27256 W., N. Rural public-library service under consideration in Congress. *School & Soc.* 63: 257-258. Apr. 13, 1946. 275.8 Sch62
- 27257 WORCESTER, C. Ag leaders use the radio; suggestions for vo-ags and co-ags on how to make successful farm broadcasts. *Better Farming Methods* 18(4): 20-21. Apr. 1946. 58.8 B46
- Leadership
- 27258 HUNIONS, A. D. Preparation for leadership. (Sum.) *Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.]* 1945: 15-16, processed. 27 C33
- 27259 STEYTLER, R. Agricultural club leaders. *Union So. Africa, Dept. Agr. and Forestry, Agr. Prod. Publicity Ser.* 188, 2 p. Pretoria, 1946. 24 S682Pa
- Rural Organizations and Movements
- 27260 AGRICULTURAL co-operation in Ireland - 5. *Agr. Ireland* 3: 181-182. Mar. 1946. 10.5 Ag8
- 27261 ANDERSON, C. P. The family farm and cooperatives. *Co-op Grain Q.* 4(1): 11-13. Feb. 1946. 280.28 C7898
- 27262 BARTLETT, A. Co-op is a fighting word in the hills of Tennessee. *Country Gent.* 116(4): 27, 66, 68-69. Apr. 1946. 6 C833
- 27263 BEALE, C. Timber-grazing-game project. *Country Gent.* 116(4): 65. Apr. 1946. 6 C833  
4-H Club of Escambia County, Fla.
- 27264 BENJAMIN, E. W. We must in 1946! A new year's resolution we must keep. *Washcoegg* 23(10): 35-36. Mar. 1946. 47.8 W27  
Hard work for cooperatives.
- 27265 BENNETT, L. The movement in New Zealand. *Co-op Rev.* 20: 36-37. Feb. 1946. 280.28 C7823  
Includes farmers' cooperatives.
- 27266 BIGELOW, D. L. 4-H boys and girls produce food and fiber. *Agr. Leaders' Digest* 27(3): 54-55. Mar. 1946. 275.28 Am3
- 27267 BILLINGS, I. 4-H Blue Shield extension trips. *Wis. Country Mag.* 39(5): 9, 20. Mar. 1946. 276.3 St9
- 27268 BROMFIELD, L. Farmers' Club Program encourages a better economy. *West. Reserve Farmer* 1(1): 5-6. Jan. 1946. 6 W5292  
Cleveland Farmers' Club.
- 27269 C., D. P. Outstanding 4-H work. *Rural New-Yorker* 105: 278. Apr. 6, 1946. 6 R88
- 27270 DEGON, M. Organisation coopérative et système corporatif en matière d'économie agricole [France]. *Terre d'Occ* 27: 372-375. Oct. 1945. 14 T27
- 27271 DENMAN, LADY. Record of British country-women; National Federation of Women's Institutes. *Farmer's Digest* 9(12): 40-42. Apr. 1946. 6 F2206
- 27272 EADIE, F. Junior Institutes. *Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.]* 1945: 12-14, processed. 27 C33
- 27273 EASTERBROOK, L. F. La agricultura a base de ayuda mutua. *Liborio* 6(1): 14. Jan. 1946. 43.8 V41  
In Great Britain.
- 27274 ELLIS, M. G. Plan permanent summer camp. *Family Herald and Weekly Star* 77(5): 4. Jan. 30, 1946. 7 F21  
Camp to be set up by the Manitoba Federation of Agriculture and Co-operation.
- 27275 EMMOTT, W. Junior farmer work in Brant County. (Digest.) *Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.]* 1945: 14, processed. 27 C33
- 27276 FIUZA, R. M. Clubes agrícolas da Bahia. *Chacaras e Quintais* 73(1): 92-94. Jan. 15, 1946. 9.2 C34
- 27277 GREEN, D. L. Program of 4-H Clubs broadened; ten points developed as guideposts for '46. *Utah Farmer* 65(13): 3, 22. Feb. 25, 1946. 6 D45
- 27278 HAAG, H. M. Research goes hand-in-hand with public relations [of cooperatives]. *News Farmer Coop.* 13(1): 8. Apr. 1946. 166.2 N47
- 27279 HARRIS, L. Future Farmers at State fair in Kentucky. *Amer. Farm Youth* 12(1): 37. Mar. 1946. 6 Am393
- 27280 HARRIS, L. National honors to Fayette County F. F. A. *Ky. Farmer's Home J.* 82(2): 14. Feb. 1946. 6 F2237  
Future Farmers of America.
- 27281 HEDGES, H. Harold Hedges reviews cooperative success in '45--sounds wise counsel. *Farmers' Elevator Guide* 41(1): 20. Jan. 1946. 280.28 Am3
- 27282 JONES, H. M. Older 4-H'ers band up; county groups form state units for service and self improvement. *Natl. 4-H Club News* 24(3): 16, 30. Mar. 1946. 275.28 N212
- 27283 KANSAS STATE GRANGE. Proceedings, annual session, 74, 1945, 85 p. Emporia, 1945. 4 K13
- 27284 KELLY, L. H. Future Farmers [of America] hold State meet. *Mich. Farmer* 206: 229, 258. Apr. 6, 1946. 6 M58
- 27285 KLOPPING, F. Extra service spells success. *News Farmer Coop.* 13(1): 5, 10. Apr. 1946. 166.2 N47  
Farmers' cooperatives.
- 27286 LAIDLAW, H. Development of county programmes. (Sum.) *Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.]* 1945: 14, processed. 27 C33  
Club programs.
- 27287 LAWRENCE, J. D. Organizing to act. *News Farmer Coop.* 13(1): 6-7. Apr. 1946. 166.2 N47  
Cooperatives.
- 27288 MANN, H. H. Agricultural co-operation in the Middle East - II. *Bombay Co-op. Q.* 29: 105-112. Dec. 1945. 280.28 B63



27289 MARTIN, A. H. The development of Junior Farmer associations. Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 11-12, processed. 27 C33

27290 MASTON, G. I. Organizing a new co-op. Coop. Digest 6(9): 70. Mar. 1946. 280.28 C7896

27291 MILLER, R. C. The Ohio County team--County Agent Ridley, et al. Prog. Farmer, Ky.-Tenn.-W. Va. Ed. 61(4): 15, 66, 72, 76. Apr. 1946. 6 P945K

27292 NELSON, L. I. Co-ops can't dodge community responsibility. News for Farmer Coops. 12 (12): 4, 20. Mar. 1946. 166.2 N47

27293 NEPHEW, E. Co-operative business. (Sum.) Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 28, processed. 27 C33

27294 NICHOLS, M. E. 4-H Club work pays dividends. Board's Dairyman 91: 103. Feb. 10, 1946. 44.8 H65

27295 NIELSEN, E. Danish co-operatives built the houses. Co-op. News, No. 3888, p. 2. Dec. 8, 1945. 280.28 C7897

Final article in a series refuting the charge that farmers' cooperatives profited at the expense of other interests during the war.

27296 OLSON, W. L. The importance of a stronger organized agriculture. Nation's Agr., Kans. Ed. 21 (3): 12B. Mar. 1946. 280.82 B89A

27297 ORR, O. Report on trip to 4-H Club Congress, Chicago. Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 33-34, processed. 27 C33

27298 PEREZ GARCIA, M. Legislación fundamental sobre cooperativas en Puerto Rico. Puerto Rico. Dept. de Agr. y Com. B. de Com. 3(13): 6-8, 15-19, 29, 37. 1946. 286.9 P96

27299 RENSCHAW, B. Rush to join Flying Farmers [of Prairie Farmer Land]. Prairie Farmer, Ill. Ed. 118(5): 10. Mar. 2, 1946. 6 P883B

27300 RICHARDSON, T. C. To co-op or not to co-op. Farmer-Stockman 59: 204, 238-239. (To be cont.) Apr. 1946. 6 Ok45

27301 RUGLAND, E. R. Girls of Hawaii "catch on" to 4-H idea. Natl. 4-H Club News 24(3): 25. Mar. 1946. 275.28 N212

27302 RUMBLE, W. E. 30 years of war against co-ops. II. The lawyers analyze what is back of latest attack on GTA. Farmers Union Grain Terminal Association. (Excerpts.) GTA Digest 6(2): 13-16. Feb. 1946. 280.28 G11

27303 SALOUTOS, T. The rise of the Nonpartisan League in North Dakota, 1915-1917. Agr. Hist. 20(1): 43-61. Jan. 1946. 30.98 Ag8

27304 SCOTT, R. J. Co-operative development. Cent. and West. Ontario Junior Farmers Conf. [Rpt. Proc.] 1945: 26-27, processed. 27 C33

27305 STAYER, C. G. Calf project develops into dairy business. Agr. Leaders' Digest 27(3): 42. Mar. 1946. 275.28 Am3

4-H Club project.

27306 SWANTON, M. K. What the Council of Agriculture does for you. Pure Milk Prod. Press 11(1): 3. Mar. 1946. 280.28 P972

Second of a series.

On the Wisconsin Council of Agriculture Co-operative.

27307 TAYLOR, T. Scott looks at U. S. co-ops; Taylor finds enterprising spirit in farming areas. Coop. Consum. 13(5): 6. Mar. 18, 1946. 280.28 C7836

27308 TEAGUE, C. C. Co-ops benefit large and small farmers. News Farmer Coop. 13(1): 3-4. Apr. 1946. 166.2 N47

27309 THATCHER, M. W. American farmers set their courses. Co-op Grain Q. 4(1): 14-16. Feb. 1946. 280.28 C7898

Programs of farmers' organizations.

27310 TINGLUM, O. Teaching cooperation. Wis. REA News 6(6): 2, 5. Dec. 1945. 335.8 W75

27311 TROUT, C. E. Oklahoma organizes agricultural writers and editors. Agr. Leaders' Digest 27 (3): 19. Mar. 1946. 275.28 Am3

27312 VANDEKAR, R. V. Role of co-operative movement in post-war reconstruction. Bombay Co-op. Q. 29: 112-119. Dec. 1945. 280.28 B63

Includes agricultural cooperation.

27313 WARREN, D. E. Expanded 4-H Club program announced for State's youth; clubs to reach for older group. Idaho. Agr. Col. News Let. 31(2): 1, 2. Mar. 1946. 276 Id13N

27314 WHITEMAN, R. Junior seedsmen make valuable contribution to the high quality of western grain; fifty-four clubs with membership of 609 operated last year under auspices of Manitoba Extension Service. Canad. Grain J. 1(8): 9. Mar. 1946. 59.8 C16

27315 WOODBURN, A. L. 4-H Club shows registered Corriedale at stock show. San Luis Val. Farmer and Stockman 1(5): 8. Feb. 1946. 6 Sa52

#### RURAL SOCIAL PSYCHOLOGY

27316 MACCOLL, E. D. Momentos decisivos. Dia-rio Rural 5(547): 12. Jan. 16, 1946. 9.9 D54

Need for action of farmers in influencing policy in Uruguay.

27317 MCCORKLE, J. L. What farmers are thinking in Copiah County, Miss. Victory Farm Forum, No. 22, p. 11-12. Mar. 1946. 281.8 F226

Attitudes toward strikes and need for markets.

27318 T. Le vieux goût du travail. Petit Casablancais 31(1252): 6. Mar. 2, 1946. 280.8 P44

27319 WAKUKAWA, S. Japanese tenant movements. Far East. Survey 15: 40-44. Feb. 13, 1946.

280.9 In782

Political movement.

#### TRADE, FOREIGN AND INTERNATIONAL

27320 BENTLEY, P. Virginia dark-fired sales abroad absorbing small crop this year. Tobacco [New York] 122(13): 95, 102. Mar. 28, 1946. 286.89 T552

27321 BISSON, J. E. Comment améliorer la vente de notre bacon en Angleterre. Terre de Chez Nous 18(22): 19. Feb. 27, 1946. 7 T27

27322 BISSON, J. E. Pour conserver notre marché d'exportation [Canada]. Terre de Chez Nous 18(21): 23. Feb. 20, 1946. 7 T27

27323 CANADA. DEPT. OF TRADE AND COMMERCE. Annual report, 53, 1944/45, 52 p. Ottawa, 1946. 253 T67R

27324 CARMICHAEL, B. C. Tobacco Association [of the United States] is seeking to recover export markets for leaf. South. Tobacco J. 60(3): 3, 9. Mar. 1946. 286.89 So82

27325 COLOMBIA. CONTRALORIA GENERAL. DIRECCION NACIONAL DE ESTADISTICA. Anuario de comercio exterior, 1944, 731 p. Bogota, 1946. 255.5 C712

Includes foreign trade in agricultural products.

27326 EVANS, J. W. Foreign customers wish to resume prewar relations. Cotton Digest 18(28): 8-9. Apr. 6, 1946. 286.82 C822

Cotton trade.

27327 GAVIOLA, C. A. Exportación de vinos argentinos a Gran Bretaña. Vinos, Viñas y Frutas 41: 347-349. Jan. 1946. 9 Ag89

27328 GREAT BRITAIN. BOARD OF TRADE. Accounts relating to the trade of the United Kingdom. Jan./Sept. 1945, 135 p. London, 1945. 256.03 Ac2

Includes agricultural products.

- 27329 GUNDRY, H. Some features of wartime finance and exchange control in the south-west African Karakul trade. *So. African J. Econ.* 13: 318-325. Dec. 1945. 280.8 So83  
Export finance.
- 27330 HENRY, C. Interest in foreign trade. Chester White J. 36(3): 3, 6. Mar. 1946. 46.8 W582
- 27331 JESNESS, O. B. Your markets overseas - are they important? *Successful Farming* 44(4): 21, 38-40. Apr. 1946. 6 S412  
The first of a series.
- 27332 KENNEDY, F. Western horses for France. *Canad. Cattlemen* 8: 230-231. Mar. 1946. 49 C16
- 27333 MARTIN, W. M., JR. Export-Import Bank to help rebuild world in struggle for life of peace. *Cotton Digest* 18(26): 13, 35-36, 38. Mar. 23, 1946. 286.82 C822  
Includes cotton credit established by the Bank.
- 27334 ORR, C. W. Protection from foreign import of Angora wool. *Calif. Rabbits Mag.* 9(8): 9. Mar. 1946. 40.28 Sa5  
Legislation introduced by Congressman Doyle.
- 27335 POULIN, L. P. Les accords commerciaux et la distribution des vivres. *Terre de Chez Nous*. 18(23): 3, 19. Mar. 6, 1946. 7 T27  
World distribution of foodstuffs.
- 27336 PURSER, R. Export markets hold promise; joint meeting at Ottawa studies the sale of more dairy products to South America. *Family Herald and Weekly Star* 77(4): 3, 13. Jan. 23, 1946. 7 F21
- 27337 RICHERT, W. S. Program for world traffic in U. S. wines. *Wines and Vines* 27(2): 22-23, 33-35. Feb. 1946. 95.8 C122
- 27338 SMITH, G. O. Tariff and the rabbit breeder. *Calif. Rabbits Mag.* 9(8): 3. Mar. 1946. 40.28 Sa5
- 27339 STEWART, M. T. Economy and trade of Venezuela. *Canada, Dept. Trade and Com. Com. Intel. J.* 74: 241-244, 266-273. Mar. 23, 30, 1946. 286.8 C16  
Includes agriculture and foreign trade.
- 27340 TERZY, F. U. Importancia de la exportación argentina de trigo en el conjunto de la balanza comercial del país. *"Granos" Semilla Selecta* 9(7/9): 46-47. July/Sept. 1945. 9 G762
- 27346 GARCIA G., E. Un esfuerzo más para mejorar el estado de nutrición de la población cubana. *Pro-Vida* 27(292): 11-12. Jan. 1946. 475 P942
- 27347 HART, W. L., and DAGGS, R. G. Three and one-half years of nutrition activities in the Eighth Service Command. *Mil. Surg.* 98: 214-219. Mar. 1946. 448.8 M59
- 27348 HERR, E. Rural town makes good. *Pract. Home Econ.* 24: 237. Apr. 1946. 321.8 H752  
School lunch program in Morganville, New Jersey.
- 27349 HILL, E. C. Variety is the essence of good nutrition. *Family Herald and Weekly Star* 77(6): 37. Feb. 6, 1946. 7 F21
- 27350 KING, C. G. Nutrition research in industry. *Butchers' Advocate* 119(11): 11-13. Mar. 13, 1946. 286.85 B97
- 27351 LEDERER, S. I like 'em fresh. *West. Grower and Shipper* 17(4): 13. Mar. 1946. 280.38 W52  
Importance of proper diet.
- 27352 MICHAELSEN, H. Second graders learn nutrition. *Forecast for Home Econ.* 62(4): 20-21, 78. Apr. 1946. 321.8 F76
- 27353 MILLER, E. C. A venture in adult education grew slowly to success. *Agr. Leaders' Digest* 27(3): 56-58. Mar. 1946. 275.28 Am3  
Nutrition education in Pennsylvania.
- 27354 PATEL, T. B. Nutrition and dietary surveys in Bijapur District (Bombay Presidency), at the end of the famine year of 1943. *Indian J. Med. Res.* 33: 249-257. Oct. 1945. 448.8 In22
- 27355 RUSSEL, R. A. Records for school lunch operated by teacher-manager. *What's New in Home Econ.* 10(7): 106-107, 115. Mar. 1946. 321.8 W55
- 27356 SERVICI, A. M. El consumo del pan en la República Argentina. *"Granos" Semilla Selecta* 9(7/9): 44-45. July/Sept. 1945. 9 G762
- 27357 TISDALL, F. The importance of milk in the health of the nation. *Canad. Dairy and Ice Cream J.* 25(3): 27-29, 66. Mar. 1946. 44.8 C162

## FOOD HABITS

- 27358 BELL, V. What did you eat yesterday? *Milk Shed News* 12(21): 1-2. Nov. 15, 1945. 280.28 M593  
Describes a food habits survey in Macon County, Illinois.

## NUTRITIVE AND VITAMIN CONTENT

## FOOD AND HUMAN NUTRITION

## GENERAL

- 27341 BRAITHWAITE, F. "Please, Miss, it's dinnertime!" *School and Soc.* 63: 236-237. Apr. 6, 1946. 275.8 Sch62  
School lunches in Great Britain.
- 27342 BRITO, L. DE. Como devem alimentar-se os velhos. *Agr. e Pecuaria* 16(272): 54-55. Dec. 1945. 9.2 Ag89
- 27343 ESTRELA, R. Saúde e alimentação (Brasil). *Observador Econ. e Financ.* 10(119): 127-130. Dec. 1945. 280.8 Ob72
- 27344 FIRST winter of peace in Europe, 1945-46. *Brit. Survey v. 7, No. 1*, 16 p. London, 1946. 280.8 B77  
Includes food supply and nutrition.
- 27345 FONSECA, W. S. DA. Elegância e alimentação: parte II. *Brazil. Serv. de Aliment. de Previdência Social. SAPS* 2(14): 6, 7. Dec. 1945. 389.9 B73
- 27359 ARISTIDES MACHADO, J. El yoghurt como alimento y medicamento. *Agrario* 10(374): 7, 14. Jan. 31, 1946. 9.3 Ag65
- 27360 BAJKOV, A. Utilization of marine plankton as food under emergency survival conditions. *U. S. Dept. Com. Off. Pub. Bd. Rpt.* 5104, 39 p., processed. Washington, 1945. 157.8 R29
- 27361 BICKOFF, E., and WILLIAMS, K. T. Stability of carotene at elevated and room temperatures. *Oil & Soap* 23: 65-68. Mar. 1946. 307.8 J82  
Includes carotene in edible oils.
- 27362 BRITO, L. DE., and CORRÊIA, G. Dosagem da vitamina "C" em frutas brasileiras. *Brazil. Serv. de Aliment. de Previdência Social. SAPS* 2(14): 34-35. Dec. 1945. 389.9 B73
- 27363 FYLER, H. M. What about the juices? *Hygeia* 24: 286, 288, 290. Apr. 1946. 449.8 H993  
Fruit and vegetable juices in the diet.
- 27364 HIGUCHI, K., PRICE, W. V., and PETERSON, W. H. Relation of corn and alfalfa silage to the quality of cheese and its carotene and vitamin A content. *J. Dairy Sci.* 29: 157-162. Mar. 1946. 44.8 J822



27365 HOLMAN, W. I. M. The amounts of vitamin B<sub>1</sub> in cereals and the extent to which they supply human requirements in various dietaries. Nutr. Abs. and Rev. 15: 387-410. Jan. 1946. Ref. 389.8 N95

27366 IVES, M., and others. The nutritive value of canned foods; XVII. Pyridoxine, biotin and "folic acid." J. Nutr. 31: 347-353. Mar. 11, 1946. 389.8 J82

A. E. Pollard, C. A. Elvehjem, and F. M. Strong, joint authors.

27367 JAMES, B. E. Vegetables high in vitamins. Fla. Grower 54(2): 21-22. Feb. 1946. 80 F6622

27368 KIK, M. C. The nutritive qualities of rice. Rice J. 49(3): 14-17. Mar. 1946. 59.8 R36

27369 KRAMER, A., and others. Canned vegetable soybeans; chemical and nutritional studies. Food Packer 27(5): 47-48, 50, 52. Apr. 1946. 286.83 C165

C. H. Mahoney, E. Stephenson, and A. L. Marks, joint authors.

27370 KREHL, W. A., ELVEHJEM, C. A., and HART, E. B. The comparative value of niacin and nicotinamide [in nutrition]. Nutr. Rev. 4: 65-67. Mar. 1946. 389.8 N953

27371 LEGG, G. Bananas for your digestion. J. Living 11(9): 59-61. Mar. 1946. 389.8 J822

27372 MAXIMOV, N. A., RAKITIN, J. V., and TUREZ-KAYA, R. K. A procedure ensuring the preservation of vitamin C in leaves of *Gladiolus* prepared for storage. Acad. des Sci. de l'U.R.S.S. Compt. Rend. (n. s.) 48: 651-654. 1945. 511 P444

27373 LA MIEL es "fruta sazónada." By Cosmologo. Pro-Vida 27(292): 8. Jan. 1946. 475 P942

27374 MÜLLER, P. B., and FELLEBERG, T. VON. Versuche zum Vergleich der "Hg-Acetat-Methode" und des "Tumix-Ascorbinsäureoxydase-Verfahrens" zur Vitamin C-Bestimmung in frischem Obst und Gemüse und ihren Konserven. Mitt. aus dem Geb. der Lebensmitteluntersuch. u. Hyg. 36: 319-324. 1945. 389.9 Sw6

27375 NICOL, H. Bread and belief. Fert., Feed Stuffs and Farm Supplies J. 32: 142-144. Feb. 27, 1946. 57.8 F413

Relation between composition and nutritional value.

27376 PRIOR, R. Report on dairy products and health. Skagit Co-op. Dairyman 23(7): 5, 24. Mar. 1946. 280.28 Sk1

Relation between dairy products and public health.

27377 RORTY, J., and NORMAN, N. P. Veteran chemist doubts enriched bread benefits. Coop. Con-sum. 13(5): 8. Mar. 18, 1946. 280.28 C7836

27378 SREERAMAMURTHY, V. V. Investigations on the nutritive value of tapioca (*Manihot utilisima*). Indian J. Med. Res. 33: 229-238. Oct. 1945. Ref. 448.8 In22

27379 STAFFORD, J. Vitamins in daily diet. Chemistry 19(7): 20-22. Mar. 1946. 381 J826A

Various foods as vitamin sources.

27380 STEWART, A. P., JR., and SHARP, P. F. Vitamin C content of market milk, evaporated milk, and powdered whole milk. J. Nutr. 31: 161-173. Feb. 11, 1946. Ref. 389.8 J82

27381 WILCOX, E. B., and MAUGHAN, A. Retention of ascorbic acid in cabbage salad. Farm & Home Sci. [Utah Sta.] 7(1): 5, 11. Mar. 1946. 100 UtlF

## MISCELLANEOUS

## GENERAL

27382 BELTRAN, E., and LEROY, R. Au sujet des contraintes hydriques. Algeria. Inst. Agr. Ann. 2: 70-100. Nov. 1945. 108 AL35

Water relations of insects, animals and man.

27383 BLANCHET, J. A propos des plantes, bonnes et mauvaises. Terre de Chez Nous 18(23): 9. Mar. 6, 1946. 7 T27

Weed control and feeding of forage plants.

27384 CANADA. BUREAU OF STATISTICS. The Canada year book, 1945, 1200 p. Ottawa, 1945. 253 Ag8Yc

Contains chapters on agriculture and forestry.

27385 CANADA. DEPT. OF MINES AND RESOURCES. Report, 1944/45, 220 p. Ottawa, 1946. 280.9 C164

Includes reports of the Land Registry and the Dominion Forest Service.

27386 CAREERS for men and women series, Nos. 3, 21, and 43. London, Min. of Labour and Natl. Serv., 1945. 275.9 G7942

Contents: No. 3. Agriculture & horticulture, 40 p.; No. 21. Forest officers, 12 p.; 43. Veterinary surgery, 8 p.

27387 CIRIACY-WANTRUP, S. W. Administrative coordination of conservation policy. J. Land and Pub. Util. Econ. 22(1): 48-58. Feb. 1946. 282.8 J82

27388 COUNTY CORK COMMITTEE OF AGRICULTURE. Tuairisc bliana a 1945. Annual report 1945, 238 p. Skibbereen, South. Star Print. Works, 1946? 10.5 C812

27389 DOMINICAN REPUBLIC. SECRETARÍA DE AGRICULTURA, INDUSTRIA Y TRABAJO. Memoria, 1944, 523 p. Ciudad Trujillo, 1945. 254.8 D712

27390 5-YEAR expansion plan, \$500,000 new facilities, outlined at convention. Pacific Northwest Co-op. 11(3): 6-8. Mar. 1946. 280.28 P112

Annual report of the Pacific Supply Cooperative, discussing feed, seed, fertilizer, and machinery programs.

27391 GOOCH, E. G. Food and Agriculture Conference at Quebec. Land Worker 27(320): 4, 5. Jan. 1946. 283.8 L22

27392 HAMBIDGE, G. FAO--an interpretation. Land Policy Rev. 9(1): 3-7. Spring 1946. 1 Ec7La

27393 HANSEN, G. H. Resume of predator control work of the Fish and Wildlife Service. Oreg. Dept. Agr. Agr. B. No. 149, p. 21-24. Mar. 1, 1946. 2 Or3

27394 HARPER, J. E. Pest eradication as a community service. Amer. Farm Youth 12(1): 14-15. Mar. 1946. 6 Am393

Wildlife pest eradication by Future Farmers.

27395 KINSLEY, C. H. What about the rat? Pacific Rural Press, North. Ed. 151: 238. Mar. 16, 1946. 6 P112

27396 LANCUM, F. E. Wild animals and agriculture. 12. Some general observations. Gt. Brit. Min. Agr. Agriculture 52: 563-566. (Concl.?) Mar. 1946. 10 G79J

27397 LUYET, B. J., and GEHENIO, P. M. The role of water in the lethal action of heat on dormant protoplasm. Biodynamica 5: 339-352. Dec. 1945. 442.8 B5223

Physarum polycephalum used in study.

- 27398 NATIONAL PEST CONTROL ASSOCIATION INC. Instructions for using compound 1080 (sodium fluoroacetate) as a rodent poison. Pest control and Sanit. 1(4): 28. Apr. 1946. 421 P432
- 27399 NOBLE, C. V. Forest and livestock in agricultural planning. Fla. Grower 54(2): 6, 29. Feb. 1946. 80 F6622
- 27400 POULIN, L. P. L'amélioration de l'alimentation humaine et l'agriculture. Terre de Chez Nous 18(21): 7. Feb. 20, 1946. 7 T27  
On the Food and Agriculture Organization of the United Nations.
- 27401 RICHARDS, P. W. Need for the development of tropical ecological stations. Nature [London] 157: 377. Mar. 23, 1946. 472 N21
- 27402 RIEMAN, E. H. Du Pont "ANTU" rodenticide (alphanaphthylthiourea). Pests 14(3): 28, 30. Mar. 1946. 449.8 Ex8
- 27403 SASKATCHEWAN. DEPT. OF NATURAL RESOURCES AND INDUSTRIAL DEVELOPMENT. Annual report, 1944/45, 98 p. Regina, 1945. 279.9 Sa7  
Includes reports of the Director of Forests and of the Lands Branch.
- 27404 SASKATCHEWAN. UNIVERSITY. Guide to farm practice in Saskatchewan; an authoritative and practical handbook on the production problems of Saskatchewan agriculture, 1945, 169 p. Regina? 1945? 7 Sa76G  
Saskatchewan Dept. of Agriculture and experimental stations, research laboratories and other services of the Dominion Dept. of Agriculture in Saskatchewan co-operating.  
Includes chapter on farm machinery, insect pests of plants and livestock, and dairying.
- 27405 SKOVHOLT, O., and HANSCHKA, H. W. Bakery sanitation; No. 9 - Rodent control. Cracker Baker 35(3): 29-30. Mar. 1946. 389.8 C84
- 27406 SMITH, J. M. Work of Fields Division of New Zealand Department of Agriculture. Straight Furrow 5(3): 31. Jan. 15, 1946. 281.8 St8
- 27407 SOUTH CAROLINA. DEPT. OF AGRICULTURE. Year book, 1944/45, 269 p. Columbia, 1945? 2 So82
- 27408 WHALLON, A. P. Funny language of the farm! Don't try to make sense of the strange assortment of names for the same crop--turkey probably tastes as good in any language. Family Herald and Weekly Star 77(5): 7. Jan. 30, 1946. 7 F21
- 27409 WOLFENBARGER, D. O. Dispersion of small organisms; distance dispersion rates of bacteria, spores, seeds, pollen, and insects: incidence rates of diseases and injuries. Amer. Midland Nat. 35: 1-152. Jan. 1946. 410 M58  
References, p. 139-148.
- 27410 BOBROV, E. G. O. N. Novikov, 1907-1941. Sovet. Bot. 13(3): 68-69. 1945. 450 So8  
Reviews his botanical contributions.
- 27411 CALDER, R. Orr's job to banish hunger. Saskatchewan Farmer 37(6): 1. Mar. 15, 1946. 7 Sa74  
On Sir John Boyd Orr and his work.
- 27412 CLARK, J. H. Miss Elizabeth White is a horticultural pioneer. N. J. State Hort. Soc. Hort. News 27: 1799, 1801. Feb. 1946. 81 N46
- 27413 DAYTON, W. A. William Willard Ashe, pioneer in Southeastern forestry. J. Forestry 44: 213-214. Mar. 1946. 99.8 F768
- 27414 ELLIS, H. D. Dr. Diesel's last days. Farm Impl. News 67(7): 47. Mar. 28, 1946. 58.8 F22
- 27415 GUNN, G. D. Rancho El Cajon. South. Calif. Rancher 11(4): 16. Apr. 1946. 6 So831  
History of land and agriculture in El Cajon Valley.
- 27416 HENDRIX, J. M. The nester. Cattleman 32(10): 84, 86, 88, 90, 92-94. Mar. 1946. 49 C29  
The farmer of West Texas.
- 27417 KLUMPP, H. P. The first hundred years. Farm and Ranch 65(4): 8, 50-51. Apr. 1946. 6 T31  
Texas centennial.
- 27418 McDONALD, D. L. El Valle de Las Viejas. South. Calif. Rancher 11(4): 24. Apr. 1946. 6 So831  
History.
- 27419 MACDOUGALL, A. F. First county agent "Squanto." Better Farming Methods 18(4): 15, 34. Apr. 1946. 58.8 B46  
Taught colonists at Plymouth Indian methods of agriculture.
- 27420 MCMUNN, R. L. Doctor J. A. Kennicott, an early Illinois horticulturist. Ill. State Hort. Soc. Ill. Hort. 35(1): 2-4. Jan. 1946. 80 I166
- 27421 MILLER, D. Apropos C. V. Riley. Pan-Pacific Ent. 22(1): 28-30. Jan. 1946. 421 P193
- 27422 FELLETT, K. Lorenzo Lorraine Langstroth, 1810-1895. Amer. Bee J. 86: 148-149. Apr. 1946. 424.8 Am3
- 27423 ROBERTS, J. W. Merton Benway Waite, 1865-1945. Phytopathology 36: 175-179. Mar. 1946. 464.8 P56  
List of his publications.
- 27424 SIVORI, F. Pasteur; unas notas en ocasion del cincuentenario de su muerte. Aberdeen Angus [Buenos Aires], No. 29, p. 69-71. Summer 1946. 43.8 Ab33
- 27425 VILHEMA, M. Criterio vitorioso. Chacaras e Quintais 73(1): 28. Jan. 15, 1946. 9.2 C34  
Agricultural background of the new Brazilian Minister of Agriculture, Theodureto de Camargo.

## INTER-AMERICAN RELATIONS

- 27426 BOERGER, A. Sugestiones acerca de la cooperación interamericana en la producción agraria. Consejo Interamer. de Com. y Prod. Cuest. Agr., No. 2, 24 p. Montevideo, 1945. 281.9 C7662

## METEOROLOGY

- 27427 DURACK, K. M. The monsoonal north of Western Australia. West. Austral. Dept. Agr. J. 22: 248-274. Sept. 1945. 23 W52J  
I. A survey of the environment and its relation to comparable climatic types, p. 248-260; II. The open range, its problems and improvement, p. 260-263; III. The Carlton Reach Experimental area: findings 1942 to 1945, p. 263-274.
- 27428 DUTCHER, R. Rain must fall at right times to make crops. Farmer-Stockman 59: 69. Feb. 1946. 6 Ok45

## RESEARCH

- 27429 HAYRINEN, T. Down Arrowhead furrows? Co-op. Builder 21(14): 8-9. Apr. 4, 1946. 280.28 C7827  
Work of M. J. Thompson at the North East Substation of the Minnesota Agricultural Experiment Station.
- 27430 MARTIN-LEAKE, H. Co-partnership in agriculture.--2. Land Union J. 43(1): 5-6. Jan./Feb. 1946. 282.8 L22  
Agricultural research.

## HISTORY AND BIOGRAPHY

- 27410 BOBROV, E. G. O. N. Novikov, 1907-1941. Sovet. Bot. 13(3): 68-69. 1945. 450 So8  
Reviews his botanical contributions.
- 27411 CALDER, R. Orr's job to banish hunger. Saskatchewan Farmer 37(6): 1. Mar. 15, 1946. 7 Sa74  
On Sir John Boyd Orr and his work.
- 27412 CLARK, J. H. Miss Elizabeth White is a horticultural pioneer. N. J. State Hort. Soc. Hort. News 27: 1799, 1801. Feb. 1946. 81 N46
- 27413 DAYTON, W. A. William Willard Ashe, pioneer in Southeastern forestry. J. Forestry 44: 213-214. Mar. 1946. 99.8 F768
- 27414 ELLIS, H. D. Dr. Diesel's last days. Farm Impl. News 67(7): 47. Mar. 28, 1946. 58.8 F22
- 27415 GUNN, G. D. Rancho El Cajon. South. Calif. Rancher 11(4): 16. Apr. 1946. 6 So831  
History of land and agriculture in El Cajon Valley.



27431 NAGEL, R. H. Program and accomplishments of the Western Regional Laboratory. Wash. State Hort. Assoc. Proc. (1945) 41: 39, 41-47. 1946. 81 W273

27432 SCARSETH, G. D. The farmer and research. Nation's Agr., Kans. Ed. 21(2): 12B, 12D. Feb. 1946. 280.82 B89A

27433 SIMMONS, C. Still big field for research. Pacific Rural Press, North. Ed. 151: 242. Mar. 16, 1946. 6 P112

Insecticides and herbicides.

27434 SPEH, C. F. Farm agencies aided in war efforts. USDA Research Labs contribute to farmer's welfare and his fortune. Cotton Trade J. 26(13): 12, 16. Mar. 23, 1946. 72.8 C8214

Regional Research Laboratories of U. S. Dept. of Agriculture, Bureau of Agricultural and Industrial Chemistry.

#### STATISTICS

27435 SCHUTZ, H. H. Un programa de estadística de agricultura. (Digest.) Estadística 2, 1. e. 3: 512-528. Dec. 1945. 251.8 Es8  
Program for Peru.

#### NEW PERIODICALS AND SERIALS

27436 AUSTRALIAN AGRICULTURAL NEWS. Vol. 1, No. 1, Jan. 4, 1946. 3 p., processed. New York, Austral. News and Inform. Bur. 23 Au78

27437 BANCO DE LA REPÚBLICA COLOMBIA. SECCIÓN DE INVESTIGACIONES ECONÓMICAS. Boletín gráfico. Monthly? No. 1, Aug. 1945. 2 p. Bogota? 280.9 B2222 Statistics.

27438 BANCO NACIONAL DE COSTA RICA. DEPARTAMENTO EMISOR. Estadística bancaria y monetaria de Costa Rica. Monthly. Sept. 1945. 1 p. San José? 284.9 B2297E

Includes statistics on agricultural credit, mortgages, cost of living, and wholesale prices.

27439 COLLIE FANCY. Monthly. Vol. 1, No. 12, Jan. 1946. 8 p. Janesville, Wis. 48.8 C69

27440 CO-OPERATIVE UNION OF CANADA. SASKATCHEWAN SECTION. Letter. Monthly. Vol. 1, No. 1, Jan. 15, 1946. 7 p., processed. Regina. 280.29 C7832L

Supersedes Co-operative Union News Service (280.29 C7826).

27441 LA DIFESA DELLE PIANTE. Monthly. Vol. 1, No. 1, July 1945. 12 p. Roma, Centro Italiano Fito-terapico. 464.8 D56

27442 FARM EQUIPMENT RETAILING. Monthly. Vol. 1, No. 1, Jan. 1946. 98 p. St. Louis, Mo., National Retail Farm Equipment Assoc. 58.8 F2292

27443 FOOD FREEZING. Vol. 1, No. 3, Jan. 1946. p. 77-116. New York, 95 Liberty St. 389.8 F7362

27444 FRUIT AND VEGETABLE DIGEST. Bimonthly. Vol. 1, No. 1, July/Aug. 1945. 56 p. Charles Town, C. B. Carr. 80 F9473

27445 GREAT BRITAIN. CENTRAL STATISTICAL OFFICE. Monthly digest of statistics. No. 1, Jan. 1946. 95 p. London. 256 C335

Contains sections on agriculture and food and external trade.

27446 JOURNAL OF POLYMER RESEARCH. Bimonthly. Vol. 1, No. 1, Jan. 1946. 62 p. New York 3, 215 Fourth Ave., Interscience Pub. Inc. 381 J829

27447 LOUISIANA. FORESTRY COMMISSION. BULLETIN. Irregular. No. 1, 1945. 262 p. Baton Rouge, 1945. 99.9 L933

27448 NATIONAL RESEARCH COUNCIL. INSECT CONTROL COMMITTEE. Abstract Bulletin (n. s.). Irregular. No. 1, Dec. 21, 1945. 29 p., processed. Washington, D. C., 2101 Constitution Ave., N. W. 423.9 N212

27449 NEW ZEALAND GEOGRAPHER. Semi-annual. Vol. 1, No. 1, Apr. 1945. 98 p. Wellington, New Zeal. Geog. Soc. 331.8 N48

27450 PUNJAB. BOARD OF ECONOMIC INQUIRY. Monthly survey of economic conditions in the Punjab. Vol. 1, No. 1, Jan. 1945. 13 p. Lahore. 280.9 P966

27451 SAFEWAY NEWS. Monthly. Vol. 1, No. 1, Nov. 1945. 30 p. Oakland, Calif., Safeway Stores. 286.8 S41

Continues Uno Animo (Of One Mind).

27452 SAN LUIS VALLEY FARMER AND STOCKMAN. Vol. 1, No. 2, Nov. 1945. 24 p. Monte Vista, Colo., San Luis Val. Potato Impr. Assoc. 6 S452

27453 SCIENCE ILLUSTRATED. Monthly. Vol. 1, No. 1, Apr. 1946. 128 p. N. Y., McGraw-Hill. 470 Sci292

27454 SELECCIONES RURALES. Monthly. Vol. 1, No. 1, July 1945. 100 p. Montevideo. 9.9 S44

27455 TIERRA. Vol. 1, No. 1, Nov. 1945. 30 p. Montevideo, Asociación de Funcionarios del Ministerio de Ganadería y Agricultura. 280.8 T442

27456 WESTERN RESERVE FARMER. Vol. 1, No. 1, Jan. 1946. 10 p. Cleveland, Ohio, The Cleveland Farmers' Club. 6 W5292





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